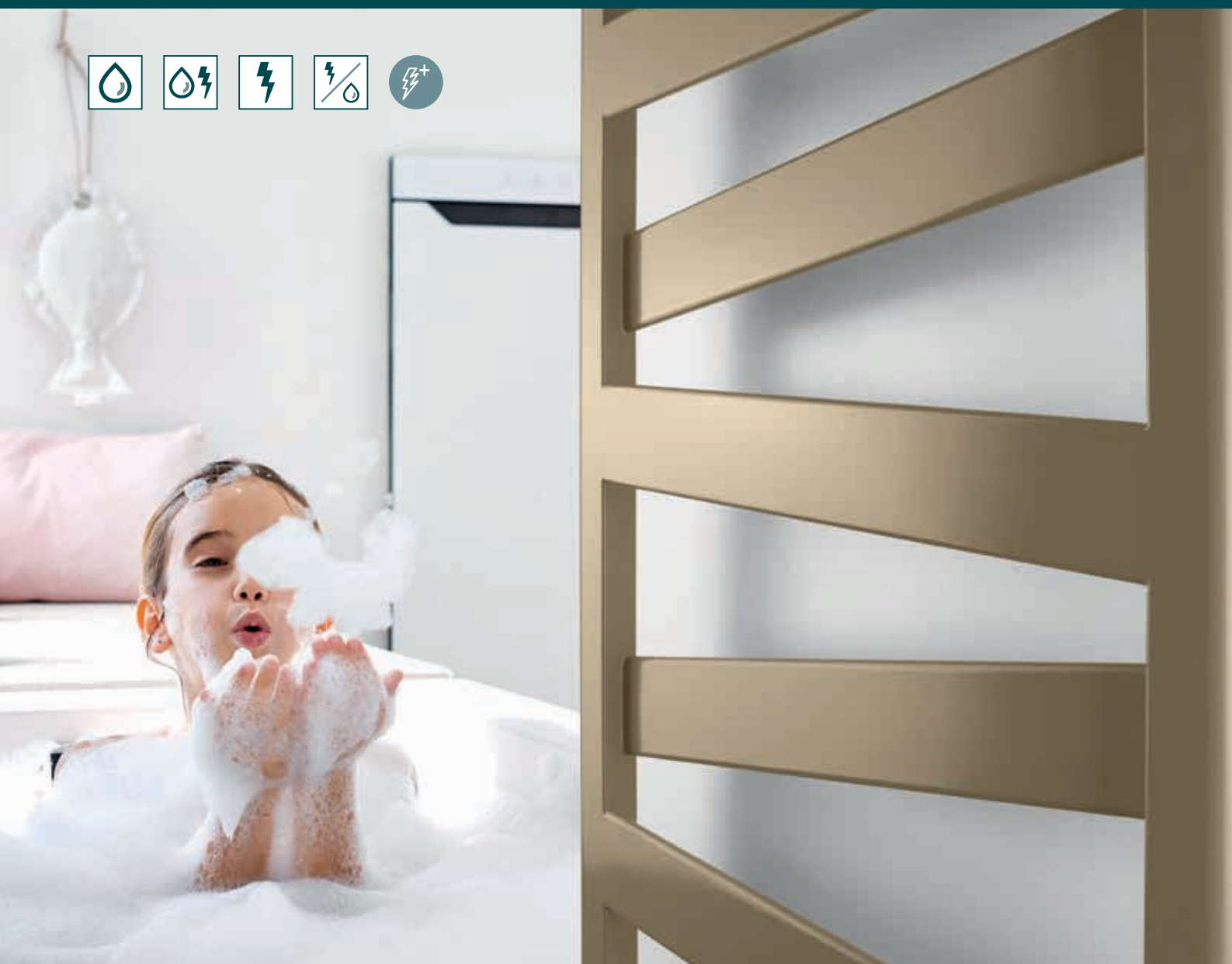


# Design radiators for bathrooms

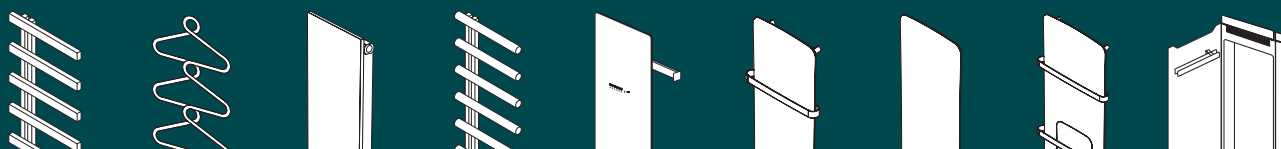
Prices and Technology 2025 - Zehnder Baltics OÜ

always the best climate



Zehnder Studio Collection

studio  
collection



# always the best climate

Our mission is to provide a healthy indoor climate with top quality solutions. Living spaces are kept at a comfortable temperature by our radiators and heating & cooling ceilings whereas our ventilation solutions make sure that you can breathe fresh clean air 24/7.

**zehnder**

■ Decorative radiators ■ Comfortable indoor ventilation  
■ Heating and cooling ceilings ■ Industrial air cleaning



**zehnder**

global presence in over 70 countries

## Your global partner for indoor climate

### Trusted partner

We provide our customers with tailored services from planning to installation of excellent solutions for the best indoor climate since 1895.



### Know what's next

Consistent focus on innovation has always been the motor for our business. We strive to provide intelligent solutions for ventilation, heating, and cooling.



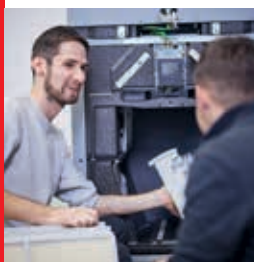
### Swiss quality and precision

Swiss quality and precision are reflected in all our products. Our design standards create timeless elegance in living spaces for yesterday, today, and tomorrow.



### Know why, know how

It is our ongoing mission to share our expertise and know how with our customers by providing expert trainings. Our dedicated Zehnder academies bring indoor climate to life.





Here for you,  
for over 125 years

## 125 years of Commitment

Over 125 years ago, Zehnder began with a simple dream: to create a company that offers excellent products and sustainable solutions to enhance lives. Today, this vision remains as strong as ever as we continue to address indoor climate challenges and improve quality of life. From the start, Zehnder understood the importance of being close to customers: listening, understanding and delivering value.

Our 'Here for you' philosophy guides us in growing and innovating through respectful dialogue and collaboration. Deeply rooted in European values, Zehnder is more than a company; it is a community built on trust and long-term partnerships with local presence.

We are proud to be part of this legacy, where our commitment to customer needs and local markets drives us to deliver tailored solutions. With the Zehnder family's leadership team ensuring continuity, you can rely on us for long-term support and collaboration.

Let us shape the future together.  
**Zehnder. Here for you!**



zehnder

**”** *I am proud to represent the younger generation on the Board of Directors.*

Milva Inderbitzin-Zehnder



EE



LV



LT

# Zehnder World of Colours

## Unique color worlds for bathrooms and living rooms

From our choice of clothing to our living environment. Colours allow customers to create their ideal individual style & space. Zehnder has recognised and responded to these new expectations and demands. The new Zehnder colour system gives your customers every option to perfectly coordinate the colour of their radiators with the latest interior design trends, seamlessly integrating them into any environment. From our choice of clothing to our living environment. Colours allow customers to create their ideal individual style & space.

Zehnder has recognised and responded to these new expectations and demands. The new Zehnder colour system gives your customers every option to perfectly coordinate the colour of their radiators with the latest interior design trends, seamlessly integrating them into any environment. The future of colours and aligning with today and tomorrow's trends is important to Zehnder, that's why the expertise of renowned colour trend experts was drawn on during the concept development. Long-term trends in six areas: architecture, interior design, bathrooms, living spaces, surfaces and materials were analysed and integrated into the concept, culminating in a future-oriented colour palette. Five modern Zehnder colour worlds were derived from these colour and living trends to ensure that the system always remains up to date and that the balance between fashions and long-term trends is maintained.

### The Sanctuary

The home as a place of rest, relaxation and retreat

The home is a place of relaxation and tranquillity. Rough surfaces, brushed finishes, mixed glazes and natural materials create sanctuaries. Natural off-white, light brown and grey tones are the key to a cosy environment to relax in. Brushed metals such as brass mixed with wood create a modern contrast. Round shapes and soft textures soften any feeling of austerity.



### The Mystical Home

A private place for personal rituals and wellness

Rough, natural surfaces contrast with refined designs. Rough concrete textures mixed with polished stone surfaces create a multi-sensory experience. Black and dark grey shades, graphite and taupe are the key to a mystical home.

The monochrome rooms are accentuated by dark blue tones and brushed metal.

The muted colour palette is made for a tranquil space for personal rituals and wellness.





## Neo Green

### Reflections on our desire for a natural environment

Green tones create a balance with our desire for more nature in our lives. Walls and floors, but also textiles and décor appear in shades of green. Soft, delicate mint or petrol-coloured graphite reflect our desire for a natural environment. Nude, light brown and grey tones create harmony and calm.



## Mother Earth

### Terracotta as a symbol for a warm and earthy look

Terracotta helps create an earthy and warm look, both as a material and as a colour. The highly pigmented quality of terracotta and the deeply saturated yet sun-faded solid colours create a natural and sophisticated look. Shades of cotton white, ochre, brick red and brown are combined to create an earthy colour palette. Terracotta is symbolic of the earth we live on and our strong desire to protect it.



## Mono Material Concrete

### The continuity of space – rough, seamless, expressive

The use of a single material creates a seamless, uniform look and a quiet space – free of visual noise. Raw concrete flows from the interior to the exterior, giving continuity to the space. Eccentric orange and natural brown tones create a modern contrast. Home accessories in brushed metal are perfectly combined.



Zehnder Design Line

# Coloured Valves

## Absolutely stunning: Valve sets in matching colors

Decorative radiators for bathrooms are now also available with colored valves – for perfect color coordination of the valve sets and the radiator.

Further proof of the color expertise from Zehnder: Zehnder is now offering its decorative radiators for bathrooms with optional matching valves in almost every color on the Zehnder color chart. Until now, our valves have been available in white, chrome and for select models in stainless steel. Help your customers beautify their bathrooms. Color-matched valves and radiators help harmonise the complete ensemble, significantly enhancing the look of any bathroom. This makes the cosy warmth even more appealing.

### Advantages:

- Harmonised look and feel of the valves as an integral part of the radiator
- Colored valves make the purchase of new radiators even more attractive
- Great aesthetics



Find the complete range of Coloured  
Valves & Thermostats on page 161





## Zehnder Studio Collection



|                                                                                     |                      |                                                                                     |                                                                                                                                                                         |       |    |
|-------------------------------------------------------------------------------------|----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----|
|    | Zehnder Alban        |    |                                                                                                                                                                         | ALZ.. | 8  |
|    | Zehnder Archibald    |    |   | ABZ.. | 11 |
|    | Zehnder Arteplano    |    |                                                                                      | VZ..  | 16 |
|    | Zehnder Chime        |    |                                                                                                                                                                         | CHZ.. | 21 |
|    | Zehnder Deseo Verso  |                                                                                     |                                                                                      | DV..  | 25 |
|    | Zehnder Folio Belt   |    |                                                                                                                                                                         | FZB.. | 28 |
|    | Zehnder Folio Glass  |                                                                                     |                                                                                      | FZ..  | 32 |
|    | Zehnder Folio Hybrid |                                                                                     |                                                                                      | FZH.. | 35 |
|    | Zehnder Zenia        |                                                                                     |                                                                                      | ZEN.. | 39 |
|   | Zehnder Tetris       |    |                                                                                      | TET.. | 45 |
|  | Zehnder Pera         |  |                                                                                                                                                                         | PER.. | 49 |

## Premium Collection

|                                                                                     |                            |                                                                                                                                                                                                                                                                                                                                                       |       |    |
|-------------------------------------------------------------------------------------|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----|
|  | Zehnder Yucca Asym         |     | YA..  | 54 |
|  | Zehnder Vitalo Bar         |                                                                                                                                                                               | VIP.. | 60 |
|  | Zehnder Roda Twist Spa Air |                                                                                                                                                                                                                                                                  | ROE.. | 64 |
|  | Zehnder Metropolitan Spa   |     | MET.. | 66 |
|  | Zehnder Metropolitan Bar   |     | MEP.. | 70 |
|  | Zehnder Kazeane            |     | RK..  | 75 |
|  | Zehnder Quaro              |     | QA..  | 80 |
|  | Zehnder Subway             |     | SUB.. | 86 |

## Quality Collection

|                                                                                     |                       |                                                                                                                                                                                                                                                                                                                                                       |         |     |
|-------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----|
|  | Zehnder Forma Asym    |     | LFA..   | 94  |
|  | Zehnder Forma Spa     |     | LF..    | 98  |
|  | Zehnder Fina Lean Bar |                                                                                                                                                                               | FIF..   | 104 |
|  | Zehnder Stalox        |                                                                                                                                                                               | STX..   | 108 |
|  | Zehnder Toga          |     | TG/TE.. | 110 |
|  | Zehnder Zeta          |                                                                                          | ZET..   | 115 |

### General Sales and Delivery Conditions:

Our General Sales and Delivery Conditions apply. You can find these on our homepage at [www.zehnder.ee/muugi-ja-tarnetingimused](http://www.zehnder.ee/muugi-ja-tarnetingimused)



|                                                     |  |                                                    |  |            |            |
|-----------------------------------------------------|--|----------------------------------------------------|--|------------|------------|
| <b>Bathroom Essentials</b>                          |  | Zehnder Virando                                    |  | AB..       | <b>119</b> |
|                                                     |  | Zehnder Virando Bow                                |  | ABT..      | <b>123</b> |
|                                                     |  | Zehnder Aura                                       |  | PBN..      | <b>127</b> |
|                                                     |  | Zehnder Aura Bow                                   |  | PBTN..     | <b>132</b> |
| <b>Accessories and general information</b>          |  | Retrofit solutions                                 |  |            | <b>136</b> |
|                                                     |  | Room dividers                                      |  |            | <b>137</b> |
|                                                     |  | Mounting sets & accessories                        |  |            | <b>138</b> |
|                                                     |  | New electric platform & retrofit immersion heaters |  | <b>NEW</b> | <b>146</b> |
|                                                     |  | Thermostats & Valves                               |  |            | <b>158</b> |
|                                                     |  | Coloured Thermostats and Valves                    |  |            | <b>161</b> |
|                                                     |  | Conversion factors                                 |  |            | <b>164</b> |
|                                                     |  | Keyword list                                       |  |            | <b>165</b> |
|                                                     |  | Zehnder Colour Chart                               |  |            | <b>174</b> |
| <b>How about an comfortable indoor ventilation?</b> |  | Zehnder comfortable indoor ventilation             |  |            | <b>172</b> |

**How to order models with Zehnder new electric platform:**

**YAZCR130040E\_ZD**

The blank space in the model code represents the heating element. Simply replace it with:

**C for IHC**  
**A for IHE**

- Operation on central heating system
- Dual energy operation with integrated electric heating element; hot water models can be converted to dual energy operation on site\*
- Dual energy operation possible on site\*
- Hybrid: dual energy operation for hot water central heating system and electric operation
- Electric operation\*
- Electric operation on request
- New electronic platform

\* Additional information about the versions with electric operation and dual energy operation is available on the respective product pages.

7

studio  
collection

# Zehnder Alban

A design concept made for purists – precise lines, flat sides and right angles. The angular radiator with a practical side – slide on and hang up towels effortlessly with just one hand. Connected directly to the central heating system, this decorative radiator keeps the bathroom warm and comfortable. Alban from the Zehnder Studio Collection: the design version made of hand-polished, high-quality stainless steel. Simple, elegant design – and warm towels whenever you need them.



Radiator surface: Hand-polished stainless steel



# Zehnder Alban



Radiator surface: Hand-polished stainless steel



## Operation on central heating system

The Zehnder Alban decorative radiator from the Studio Collection is a designer piece made of hand-polished, high-quality stainless steel with horizontally arranged square pipes and vertical header tubes. Bath towels can be effortlessly inserted at the side and hung up with just one hand. Square tubes 50 x 30 mm, header tubes 30 x 30 mm. Thermal outputs to EN 442, with CE marking. 4 x 1/2" female thread on the ends of the header tubes. Option to choose installation as right-hand or left-hand version (flow/return at the bottom with left or right options), distance 50 mm; 2 x 1/2" directional air vent at top, screwed in at the factory for installation as right-hand version. Delivered ready to install with elegant wall brackets in chrome.

|                       |              |
|-----------------------|--------------|
| Operating pressure    | max. 5.2 bar |
| Operating temperature | max. 90 °C   |
| Height                | ..... mm     |
| Length                | ..... mm     |
| Model                 | .....        |

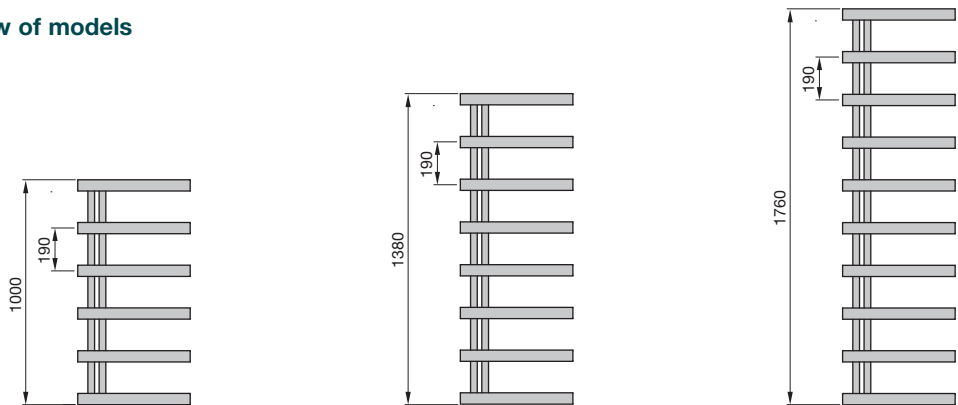
## Advantages

- Hand-polished stainless steel surface for an exclusive look
- Ideal for hanging up towels thanks to large tube spacing
- Can be installed as a right-handed or left-handed version
- High-quality stainless steel surface ensures easy cleaning and maximum hygiene

## Standard scope of delivery for operation on central heating system

- Hand-polished stainless steel
- 4 x 1/2" connections for flow, return, vent
- 2 x directional air vent 1/2" screwed in at the factory for installation as right-hand version
- Elegant wall brackets in chrome
- Packaging

## Overview of models



## Connection to hot water central heating system

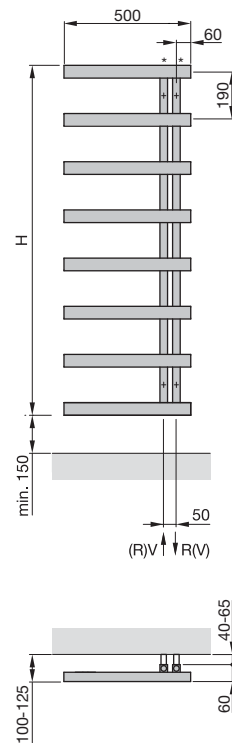
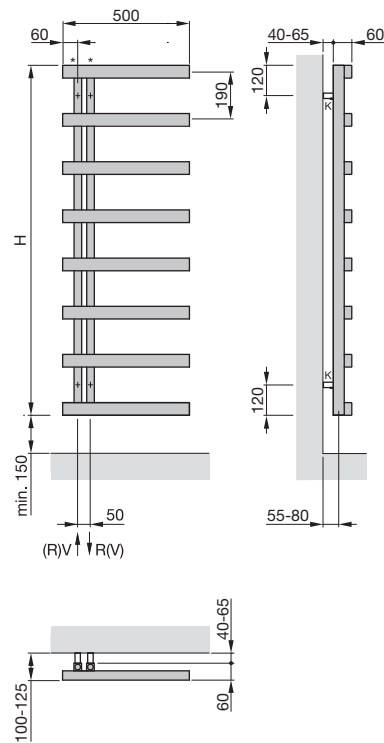
| Model                   | H    | L   | EN 442 <sup>②</sup><br>W | Thermal output |               |               | Exp.<br>n | Classification<br>Electric heating element<br>Watt | V<br>dm³ | M<br>kg | Price<br>Stainless<br>steel<br>€ |
|-------------------------|------|-----|--------------------------|----------------|---------------|---------------|-----------|----------------------------------------------------|----------|---------|----------------------------------|
|                         | mm   | mm  |                          | 70/55/24<br>W  | 55/45/24<br>W | 55/45/20<br>W |           |                                                    |          |         |                                  |
| Stainless steel version |      |     |                          |                |               |               |           |                                                    |          |         |                                  |
| ALZ-100-050             | 1000 | 500 | 256                      | 182            | 112           | 134           | 1.25      | -                                                  | 5.5      | 6.6     | 1.167,30                         |
| ALZ-140-050             | 1380 | 500 | 332                      | 233            | 140           | 170           | 1.30      | -                                                  | 7.4      | 8.7     | 1.412,28                         |
| ALZ-180-050             | 1760 | 500 | 417                      | 298            | 183           | 220           | 1.24      | -                                                  | 9.3      | 10.8    | 1.700,51                         |

| Special solution on request (surcharge)                 | Article no. | Price €              |
|---------------------------------------------------------|-------------|----------------------|
| ▪ Zehnder thermostat                                    | -           | see page 158         |
| ▪ Zehnder valves, return screw connections and fittings | -           | see page 159 onwards |

## Operation on central heating system:

Wall mounting, installation as right-hand version

Wall mounting, installation as left-hand version



H = Height  
V = Flow  
R = Return  
K = Bracket(s)  
\* = Vent

Dimensions in mm

① Thermal output to EN 442,  $\Delta T$  50 K (75/65/20 °C)



studio  
collection

## Zehnder Archibald

Always at your service. This unique designer radiator is elegant yet highly functional. Archibald from the Zehnder Studio Collection is the perfect practical bathroom accessory, warming and drying your towels and creating a pleasant, comfortable climate. Seamlessly formed from a single curved steel tube, the shape is as striking as the construction is unique. With Zehnder Archibald, designer Leo Salzedo has created a stylish and contemporary room feature that combines functionality with distinctive design.

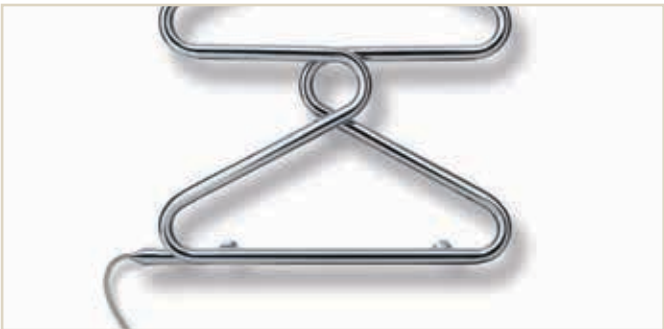
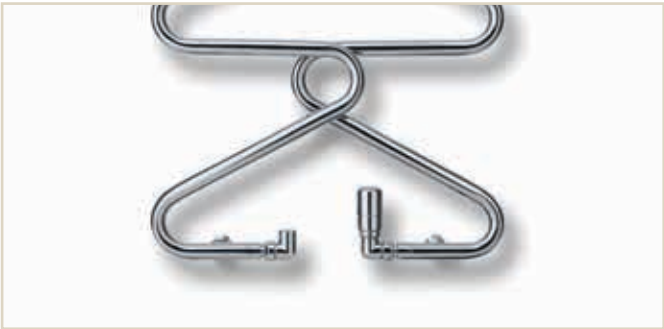


Radiator surface: Chrome

# Zehnder Archibald



Radiator surface: Chrome



## Operation on central heating system

Seamlessly formed from a single curved steel tube, the shape is as striking as the construction is unique. Zehnder Archibald from the Studio Collection creates a stylish and contemporary room feature that combines functionality with distinctive design. Its space-saving design can hold up to four towels, which can be heated simultaneously. Round tubes Ø 25 mm made of steel. Thermal outputs to EN 442, with CE marking. Standard 2 × ½" with female thread, flow/return installed with left-hand or right-hand option, at the bottom horizontal facing inwards, ¼" vent at the top facing the rear. Ideal with valve unit and return screw connection in an angle-angle design. Radiator with powder coating, in the colour RAL 9016 as standard, in a special colour or in chrome on request. Delivered ready to install with matching wall brackets in colour of radiator.

|                       |               |
|-----------------------|---------------|
| Operating pressure    | max. 12.0 bar |
| Operating temperature | max. 110 °C   |
| Height                | ..... mm      |
| Length                | ..... mm      |
| Model                 | .....         |

## Advantages

- Innovative design
- Seamlessly finished with curved steel
- Ideal for hanging up towels
- Space-saving design

## Electric operation

Seamlessly formed from a single curved steel tube, the shape is as striking as the construction is unique. Zehnder Archibald creates a stylish and contemporary room feature that combines high functionality with distinctive design. Its space-saving design can hold up to four towels, which can be heated simultaneously. Round tubes Ø 25 mm made of steel. With integrated heating element IHE, degree of protection IP65, filled with heat transfer fluid. With connection cable 1.2 m in length with two pin plug. White cable, plug and cable cover; chrome radiators have a grey cable and plug with a chrome cable cover. Decorative radiator filled with heat transfer fluid. The electric heating element does not have any operating options. The control has to be planned and executed on site. Radiator with powder coating, in colour RAL 9016 as standard, in special colour or chrome on request. Delivered ready to install with matching wall brackets in colour of radiator.

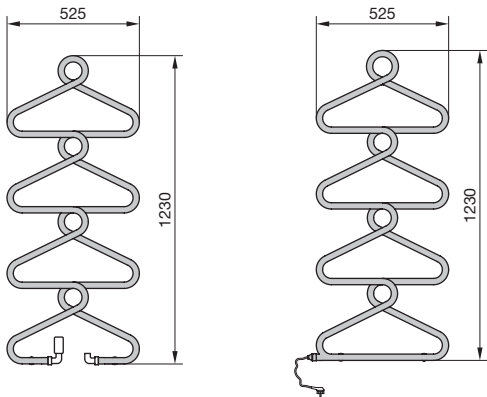
|        |          |
|--------|----------|
| Output | ..... W  |
| Height | ..... mm |
| Length | ..... mm |
| Model  | .....    |



# Zehnder Archibald

## Overview of models

Operation on central heating system    Electric operation



## Connection to hot water central heating system

| Model | H<br>mm | L<br>mm | Thermal output           |               |               |               | Exp.<br>n | Classification<br>Electric heating element<br>Watt | V<br>dm <sup>3</sup> | M<br>kg | Price<br>RAL 9016<br>€ | Price <sup>①</sup><br>Cat. 1<br>€ |
|-------|---------|---------|--------------------------|---------------|---------------|---------------|-----------|----------------------------------------------------|----------------------|---------|------------------------|-----------------------------------|
|       |         |         | EN 442 <sup>②</sup><br>W | 70/55/24<br>W | 55/45/24<br>W | 55/45/20<br>W |           |                                                    |                      |         |                        |                                   |

### Painted version

|                   |      |     |     |     |     |     |      |   |     |     |                 |                 |
|-------------------|------|-----|-----|-----|-----|-----|------|---|-----|-----|-----------------|-----------------|
| <b>ABZ-120-50</b> | 1230 | 525 | 336 | 241 | 150 | 179 | 1.22 | - | 2.3 | 4.6 | <b>1.245,35</b> | <b>1.556,68</b> |
|-------------------|------|-----|-----|-----|-----|-----|------|---|-----|-----|-----------------|-----------------|

| Model | H<br>mm | L<br>mm | Thermal output           |               |               |               | Exp.<br>n | Classification<br>Electric heating element<br>Watt | V<br>dm <sup>3</sup> | M<br>kg | Price<br>Chrome<br>€ |
|-------|---------|---------|--------------------------|---------------|---------------|---------------|-----------|----------------------------------------------------|----------------------|---------|----------------------|
|       |         |         | EN 442 <sup>②</sup><br>W | 70/55/24<br>W | 55/45/24<br>W | 55/45/20<br>W |           |                                                    |                      |         |                      |

### Chrome-plated version

|                    |      |     |     |     |     |     |      |   |     |     |                 |
|--------------------|------|-----|-----|-----|-----|-----|------|---|-----|-----|-----------------|
| <b>ABZC-120-50</b> | 1230 | 525 | 233 | 166 | 102 | 122 | 1.25 | - | 2.3 | 4.6 | <b>1.731,75</b> |
|--------------------|------|-----|-----|-----|-----|-----|------|---|-----|-----|-----------------|

① For special colours in categories 1 and 2, see special solutions and colour chart

② Thermal output to EN 442, ΔT 50 K (75/65/20 °C)



# Zehnder Archibald

## Electric-only operation with IHE



| Model | H<br>mm | L<br>mm | Classification<br>Electric heating element<br>Watt | Price<br>RAL 9016<br>€ | Price <sup>①</sup><br>Cat. 1<br>€ |
|-------|---------|---------|----------------------------------------------------|------------------------|-----------------------------------|
|-------|---------|---------|----------------------------------------------------|------------------------|-----------------------------------|

### Painted version

|                 |      |     |     |          |          |
|-----------------|------|-----|-----|----------|----------|
| ARBSS120050EAZD | 1230 | 525 | 200 | 1.462,25 | 1.804,72 |
|-----------------|------|-----|-----|----------|----------|

| Model | H<br>mm | L<br>mm | Classification<br>Electric heating element<br>Watt | Price<br>Chrome<br>€ |
|-------|---------|---------|----------------------------------------------------|----------------------|
|-------|---------|---------|----------------------------------------------------|----------------------|

### Chrome-plated version

|                 |      |     |     |          |
|-----------------|------|-----|-----|----------|
| ARBCS120050EAZD | 1230 | 525 | 200 | 1.997,29 |
|-----------------|------|-----|-----|----------|

### Standard scope of delivery for operation on central heating system

- Powder coating to DIN 55900, RAL 9016
- 2 x ½" connections for flow, return
- 1 x ¼" vent
- Elegant wall brackets in radiator colour
- Packaging

### Standard scope of delivery for electric operation

- Powder coating to DIN 55900, RAL 9016
- Built-in heating element IHE, control unit integrated into the design (for white radiator) or chrome (all other surfaces). Filled with non-flammable heat-transfer fluid (frost-proof to -10°C)
- Mounting accessories in colour of radiator
- Packaging

| Special solution on request (surcharge)                             | Article no. | Price €              |
|---------------------------------------------------------------------|-------------|----------------------|
| ▪ Special finish to category 2 (surcharge on cat. 1)                | -           | 146,76               |
| ▪ Zehnder thermostat                                                | -           | see page 158         |
| ▪ Zehnder valves, return screw connections in an angle-angle design | -           | see page 159 onwards |

① For special colours in categories 1 and 2, see special solutions and colour chart  
For keywords, see 'Electric operation and Ecodesign Directive' on page 166 [f](#)

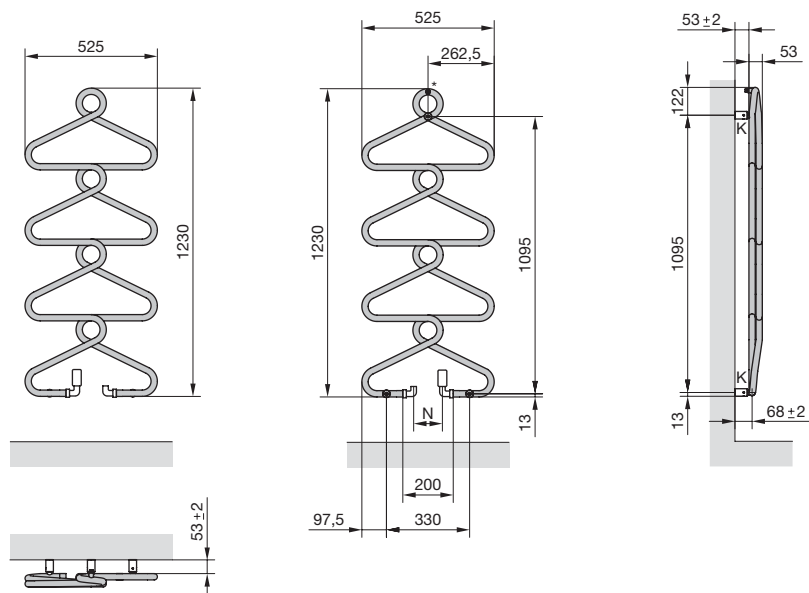


## Zehnder Archibald

### Operation on central heating system:

Wall mounting

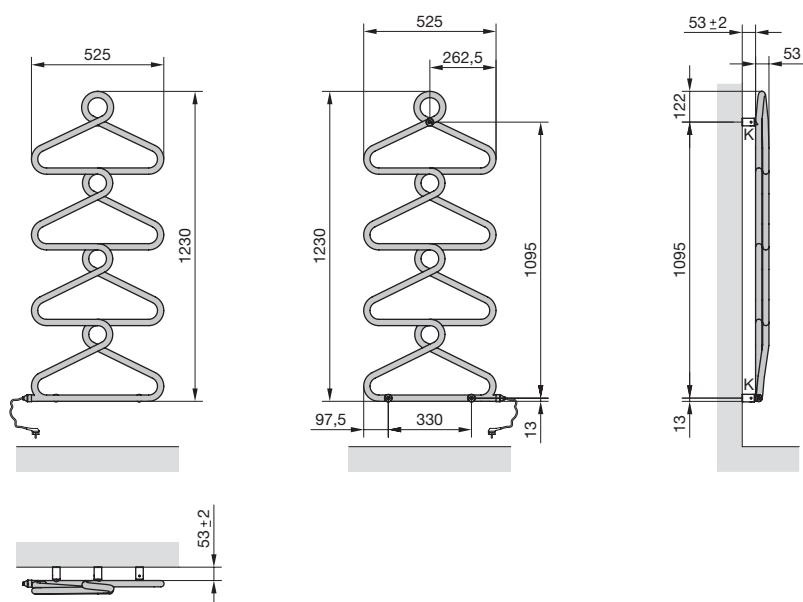
Back cover



### Electric operation:

Wall mounting

Back cover



- K = Bracket(s)
- N = Connection size depends on the valve or return screw connection
- \* = Vent

Dimensions in mm



studio  
collection

# Zehnder Arteplano

Pure and simple. This designer radiator celebrates the perfection of material and finish, combining state-of-the-art heating technology with striking contemporary design. The smooth surfaces efficiently give out a pleasing warmth whilst subtly integrating the radiator into the room. Alternatively, it can be transformed into a feature in its own right with the wide selection of materials and finishes. The only limit is your imagination. Arteplano from the Zehnder Studio Collection. The art of making a statement.



Radiator surface: Stainless steel



# Zehnder Arteplano



Radiator surface: Stained copper



Radiator surface: Stainless steel, mirror polished

## Operation on central heating system

Zehnder Arteplano from the Studio Collection is impressive with its smooth surface, creating a cosy warmth in no time with its exceptional responsiveness. With such a wide range of materials and finishes to choose from, the decorative radiator integrates harmoniously into any room.

Flat front, thermo-lacquered steel as standard. With optional towel rail for retrofitting at any height. Several towel rails possible for each radiator. Side covers permanently welded to the radiator and not removable (model ZVZA and ZVZLA included in standard scope of delivery). Thermal output to EN 442, with CE marking. With the factory standard connections with 4 x 1/2" female thread, the following connection types are possible. 1/2" flow/return at bottom vertical opposite end, installed with left, right or centre option 50 mm, with 1/2" directional air vent at top right.

Radiator with powder coating, in colour RAL 9016 as standard, in special colour or surface. Delivered ready to install with wall brackets.

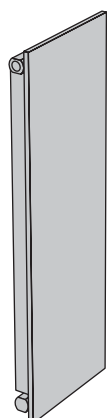
|                       |              |
|-----------------------|--------------|
| Operating pressure    | max. 4.6 bar |
| Operating temperature | max. 80 °C   |
| Height                | ..... mm     |
| Length                | ..... mm     |
| Model                 | .....        |

## Advantages

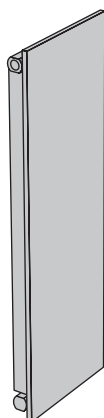
- Sleek design
- Several exclusive surfaces to choose from
- Variety of models suitable for a wide range of local conditions
- Quick responsiveness
- High-quality decorative panel radiator

# Zehnder Arteplano

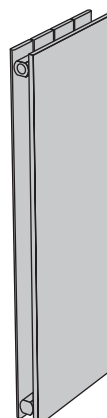
## Overview of models



ZVZA



ZVZLA



ZVZAD

## Connection to hot water central heating system

| Model | H<br>mm | L<br>mm | Thermal output           |               |               |               | Exp.<br>n | Classification<br>Electric heating element<br>Watt | V<br>dm <sup>3</sup> | M<br>kg | Price<br>RAL 9016<br>€ | Price <sup>Ⓢ</sup><br>Cat. 1<br>€ |
|-------|---------|---------|--------------------------|---------------|---------------|---------------|-----------|----------------------------------------------------|----------------------|---------|------------------------|-----------------------------------|
|       |         |         | EN 442 <sup>Ⓢ</sup><br>W | 70/55/24<br>W | 55/45/24<br>W | 55/45/20<br>W |           |                                                    |                      |         |                        |                                   |

### Single-layer version, painted version

|            |      |     |      |      |     |     |      |   |     |      |          |          |
|------------|------|-----|------|------|-----|-----|------|---|-----|------|----------|----------|
| ZVZA160-4  | 1613 | 305 | 461  | 324  | 195 | 235 | 1.30 | - | 2.6 | 20.4 | 1.007,45 | 1.259,31 |
| ZVZA180-4  | 1813 | 305 | 517  | 364  | 218 | 264 | 1.30 | - | 2.9 | 22.8 | 1.085,93 | 1.357,40 |
| ZVZA200-4  | 2013 | 305 | 574  | 404  | 242 | 293 | 1.30 | - | 3.1 | 25.1 | 1.158,69 | 1.448,35 |
| ZVZA160-6  | 1613 | 453 | 695  | 489  | 294 | 355 | 1.30 | - | 3.9 | 30.6 | 1.255,72 | 1.569,65 |
| ZVZA180-6  | 1813 | 453 | 780  | 549  | 329 | 398 | 1.30 | - | 4.3 | 34.1 | 1.339,90 | 1.674,88 |
| ZVZA200-6  | 2013 | 453 | 865  | 608  | 365 | 442 | 1.30 | - | 4.7 | 37.7 | 1.452,65 | 1.815,81 |
| ZVZA160-7  | 1613 | 527 | 812  | 571  | 343 | 415 | 1.30 | - | 4.6 | 35.7 | 1.379,89 | 1.724,86 |
| ZVZA180-7  | 1813 | 527 | 911  | 641  | 385 | 465 | 1.30 | - | 5.0 | 39.8 | 1.466,93 | 1.833,67 |
| ZVZA200-7  | 2013 | 527 | 1010 | 710  | 427 | 516 | 1.30 | - | 5.5 | 44.0 | 1.599,62 | 1.999,54 |
| ZVZA160-8  | 1613 | 601 | 929  | 653  | 392 | 475 | 1.30 | - | 5.2 | 40.8 | 1.504,00 | 1.880,01 |
| ZVZA180-8  | 1813 | 601 | 1042 | 733  | 440 | 532 | 1.30 | - | 5.8 | 45.5 | 1.593,90 | 1.992,39 |
| ZVZA200-8  | 2013 | 601 | 1155 | 812  | 488 | 590 | 1.30 | - | 6.2 | 50.2 | 1.746,59 | 2.183,25 |
| ZVZA160-10 | 1613 | 749 | 1163 | 818  | 491 | 594 | 1.30 | - | 6.5 | 51.0 | 1.752,31 | 2.190,39 |
| ZVZA180-10 | 1813 | 749 | 1304 | 917  | 551 | 666 | 1.30 | - | 7.2 | 56.9 | 1.847,91 | 2.309,90 |
| ZVZA200-10 | 2013 | 749 | 1446 | 1017 | 611 | 739 | 1.30 | - | 7.8 | 62.8 | 2.040,56 | 2.550,71 |

| Model | H<br>mm | L<br>mm | Thermal output           |               |               |               | Exp.<br>n | Classification<br>Electric heating element<br>Watt | V<br>dm <sup>3</sup> | M<br>kg | Price<br>RAL 9016<br>€ | Price <sup>Ⓢ</sup><br>Cat. 1<br>€ |
|-------|---------|---------|--------------------------|---------------|---------------|---------------|-----------|----------------------------------------------------|----------------------|---------|------------------------|-----------------------------------|
|       |         |         | EN 442 <sup>Ⓢ</sup><br>W | 70/55/24<br>W | 55/45/24<br>W | 55/45/20<br>W |           |                                                    |                      |         |                        |                                   |

### Single-layer version with fins, painted version

|             |      |     |      |      |     |     |      |   |     |      |          |          |
|-------------|------|-----|------|------|-----|-----|------|---|-----|------|----------|----------|
| ZVZLA160-4  | 1613 | 305 | 616  | 431  | 257 | 311 | 1.32 | - | 2.6 | 25.6 | 1.469,79 | 1.837,23 |
| ZVZLA180-4  | 1813 | 305 | 693  | 486  | 291 | 352 | 1.31 | - | 2.9 | 29.6 | 1.582,51 | 1.978,13 |
| ZVZLA200-4  | 2013 | 305 | 743  | 521  | 312 | 378 | 1.31 | - | 3.1 | 32.1 | 1.699,50 | 2.124,38 |
| ZVZLA160-6  | 1613 | 453 | 928  | 649  | 387 | 469 | 1.32 | - | 3.9 | 38.5 | 1.743,75 | 2.179,69 |
| ZVZLA180-6  | 1813 | 453 | 1044 | 732  | 438 | 530 | 1.31 | - | 4.3 | 44.5 | 1.879,30 | 2.349,12 |
| ZVZLA200-6  | 2013 | 453 | 1119 | 785  | 469 | 569 | 1.31 | - | 4.7 | 48.1 | 2.022,00 | 2.527,50 |
| ZVZLA160-7  | 1613 | 527 | 1084 | 758  | 452 | 548 | 1.32 | - | 4.6 | 44.9 | 1.880,73 | 2.350,90 |
| ZVZLA180-7  | 1813 | 527 | 1219 | 855  | 511 | 619 | 1.31 | - | 5.0 | 51.9 | 2.027,72 | 2.534,64 |
| ZVZLA200-7  | 2013 | 527 | 1308 | 917  | 549 | 665 | 1.31 | - | 5.5 | 56.1 | 2.183,25 | 2.729,07 |
| ZVZLA160-8  | 1613 | 601 | 1240 | 867  | 517 | 627 | 1.32 | - | 5.2 | 51.3 | 2.017,72 | 2.522,15 |
| ZVZLA180-8  | 1813 | 601 | 1395 | 978  | 585 | 709 | 1.31 | - | 5.8 | 59.3 | 2.176,12 | 2.720,15 |
| ZVZLA200-8  | 2013 | 601 | 1496 | 1049 | 628 | 760 | 1.31 | - | 6.2 | 64.2 | 2.344,51 | 2.930,64 |
| ZVZLA160-10 | 1613 | 749 | 1552 | 1086 | 647 | 785 | 1.32 | - | 6.5 | 64.1 | 2.291,71 | 2.864,63 |
| ZVZLA180-10 | 1813 | 749 | 1746 | 1225 | 733 | 887 | 1.31 | - | 7.2 | 74.1 | 2.472,92 | 3.091,14 |
| ZVZLA200-10 | 2013 | 749 | 1872 | 1313 | 785 | 951 | 1.31 | - | 7.8 | 80.2 | 2.666,99 | 3.333,75 |



## Zehnder Arteplano

### Connection to hot water central heating system

| Model | H<br>mm | L<br>mm | Thermal output           |               |               |               | Exp.<br>n | Classification<br>Electric heating element<br>Watt | V<br>dm <sup>3</sup> | M<br>kg | Price<br>RAL 9016<br>€ | Price <sup>①</sup><br>Cat. 1<br>€ |
|-------|---------|---------|--------------------------|---------------|---------------|---------------|-----------|----------------------------------------------------|----------------------|---------|------------------------|-----------------------------------|
|       |         |         | EN 442 <sup>②</sup><br>W | 70/55/24<br>W | 55/45/24<br>W | 55/45/20<br>W |           |                                                    |                      |         |                        |                                   |

#### Double-layer version, painted version

|                    |      |     |      |      |     |      |      |   |      |      |                 |                 |
|--------------------|------|-----|------|------|-----|------|------|---|------|------|-----------------|-----------------|
| <b>ZVZAD160-4</b>  | 1613 | 305 | 680  | 476  | 283 | 344  | 1.32 | - | 4.8  | 31.1 | <b>1.648,14</b> | <b>2.060,18</b> |
| <b>ZVZAD180-4</b>  | 1813 | 305 | 757  | 531  | 318 | 385  | 1.31 | - | 5.3  | 34.8 | <b>1.779,42</b> | <b>2.224,28</b> |
| <b>ZVZAD200-4</b>  | 2013 | 305 | 833  | 584  | 349 | 423  | 1.31 | - | 5.8  | 38.5 | <b>1.907,84</b> | <b>2.384,80</b> |
| <b>ZVZAD160-6</b>  | 1613 | 453 | 1025 | 717  | 427 | 518  | 1.32 | - | 7.1  | 46.7 | <b>2.121,90</b> | <b>2.652,37</b> |
| <b>ZVZAD180-6</b>  | 1813 | 453 | 1141 | 800  | 479 | 580  | 1.31 | - | 7.9  | 52.3 | <b>2.295,99</b> | <b>2.869,99</b> |
| <b>ZVZAD200-6</b>  | 2013 | 453 | 1255 | 880  | 527 | 638  | 1.31 | - | 8.8  | 57.7 | <b>2.467,22</b> | <b>3.084,04</b> |
| <b>ZVZAD160-7</b>  | 1613 | 527 | 1197 | 837  | 499 | 605  | 1.32 | - | 8.3  | 54.5 | <b>2.358,74</b> | <b>2.948,43</b> |
| <b>ZVZAD180-7</b>  | 1813 | 527 | 1333 | 935  | 559 | 677  | 1.31 | - | 9.2  | 61.0 | <b>2.554,25</b> | <b>3.192,83</b> |
| <b>ZVZAD200-7</b>  | 2013 | 527 | 1466 | 1028 | 615 | 745  | 1.31 | - | 10.2 | 67.3 | <b>2.746,91</b> | <b>3.433,64</b> |
| <b>ZVZAD160-8</b>  | 1613 | 601 | 1370 | 958  | 571 | 693  | 1.32 | - | 9.5  | 62.2 | <b>2.595,65</b> | <b>3.244,56</b> |
| <b>ZVZAD180-8</b>  | 1813 | 601 | 1524 | 1069 | 639 | 774  | 1.31 | - | 10.6 | 69.7 | <b>2.812,54</b> | <b>3.515,68</b> |
| <b>ZVZAD200-8</b>  | 2013 | 601 | 1677 | 1176 | 704 | 852  | 1.31 | - | 11.7 | 77.0 | <b>3.026,59</b> | <b>3.783,24</b> |
| <b>ZVZAD160-10</b> | 1613 | 749 | 1714 | 1199 | 714 | 866  | 1.32 | - | 11.9 | 77.8 | <b>3.069,38</b> | <b>3.836,73</b> |
| <b>ZVZAD180-10</b> | 1813 | 749 | 1908 | 1338 | 800 | 970  | 1.31 | - | 13.2 | 87.1 | <b>3.329,10</b> | <b>4.161,38</b> |
| <b>ZVZAD200-10</b> | 2013 | 749 | 2099 | 1472 | 881 | 1067 | 1.31 | - | 14.6 | 96.2 | <b>3.585,95</b> | <b>4.482,44</b> |

### Standard scope of delivery for operation on central heating system

- Powder coating to DIN 55900, RAL 9016
- 4 x ½" connections for flow, return at bottom, vertical opposite end, left, right or centre option 50 mm
- 1 x ½" vent, top right
- Wall brackets in radiator colour:  
Model ZVZA: CVD2, model ZVZLA: CVD1, model ZVZAD: CVD0
- Packaging

| Special solution on request (surcharge)                                                 | Article no. | Price €             |
|-----------------------------------------------------------------------------------------|-------------|---------------------|
| ▪ Special finish to category 2 (surcharge on cat. 1)                                    | -           | <b>150,43</b>       |
| ▪ ZVZAD model: Side covers firmly welded to the radiator and not removable <sup>③</sup> | -           | <b>115,26</b>       |
| ▪ ZVZAD model: Side covers for retrofitting in white RAL 9016 <sup>③</sup>              | 128161      | <b>254,53</b>       |
| ▪ ZVZAD model: Side covers for retrofitting in special finish <sup>③</sup>              | 128169      | <b>317,66</b>       |
| ▪ Stainless steel towel rail, polished                                                  | -           | <b>see page 145</b> |

### Exclusive surfaces

| Refined front                                 | Code | Basic radiators        | Surcharge <sup>⑤</sup> € |
|-----------------------------------------------|------|------------------------|--------------------------|
| Stainless steel, mirror polished <sup>④</sup> | 9516 | RAL 9007               | <b>1.348,05</b>          |
| Stained copper                                | 9523 | RAL 8003               | <b>1.348,05</b>          |
| Stained brass                                 | 9521 | 0337 Antique gold met. | <b>1.348,05</b>          |



Stainless steel,  
mirror polished  
(code 9516)



Stained copper  
(code 9523)



Stained brass  
(code 9521)

① For special colours in categories 1 and 2, see special solutions and colour chart

② Thermal output to EN 442, ΔT 50 K (75/65/20 °C)

③ Reduced output 6%

④ Surface stainless steel 9% reduced output

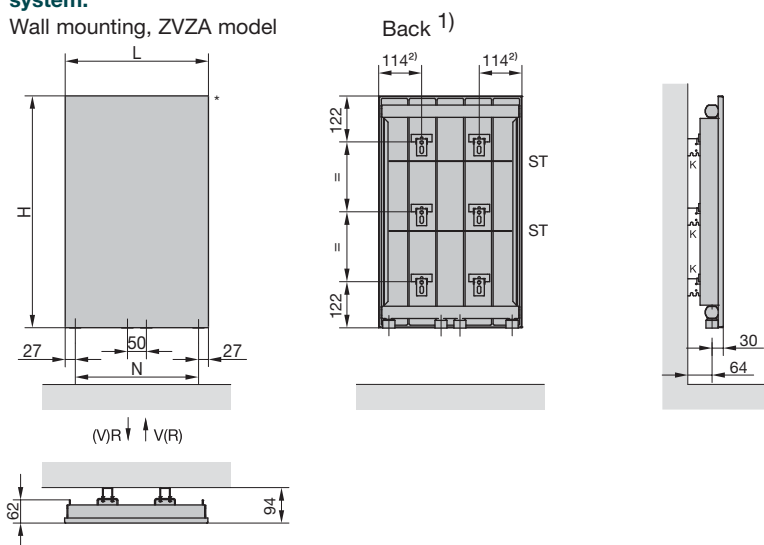
⑤ Surcharge on price cat. 1

Please note the information on surfaces in the keyword list under 'Special finishes/surfaces'

## Zehnder Arteplano

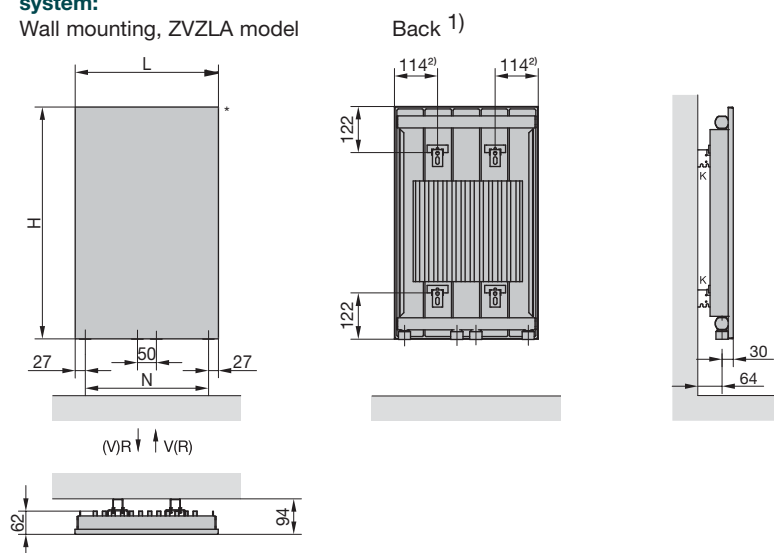
### Operation on central heating system:

Wall mounting, ZVZA model



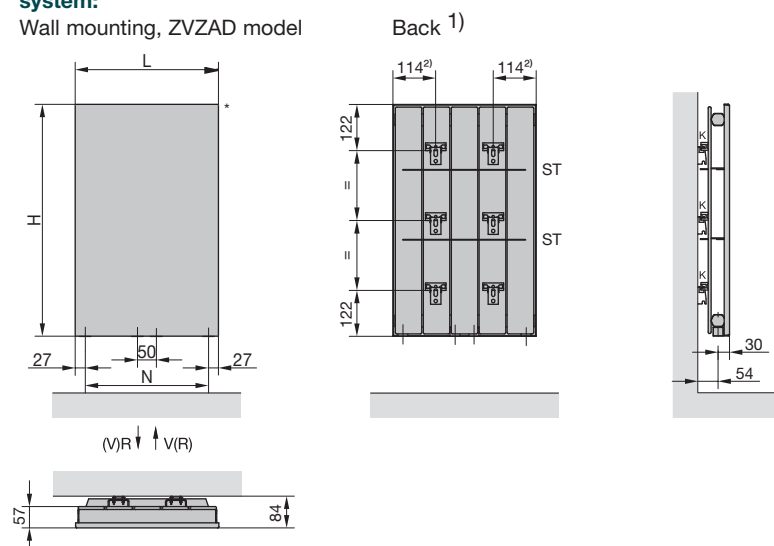
### Operation on central heating system:

Wall mounting, ZVZLA model



### Operation on central heating system:

Wall mounting, ZVZAD model



H = Height  
L = Length  
N = Connection centre  
ST = Stabilising brace  
K = Bracket(s)  
\* = Vent

Dimensions in mm

- 1) Dimensional tolerances of the fixing points  $\pm 5$  mm  
2) 77 mm for length L = 305 mm

studio  
collection

## Zehnder Chime

The athlete of the radiator world – striking, self-assured design consisting of elegantly curved round tubes whose open side allows even very thick towels to be slid on as a convenient way of drying or warming them. Chime from the Zehnder Studio Collection: the round design version made of hand-polished, high-quality stainless steel; can be installed with the open end on the left or right. Zehnder Chime makes a bold statement in your bathroom – and has the added bonus of giving you beautifully pre-warmed towels.



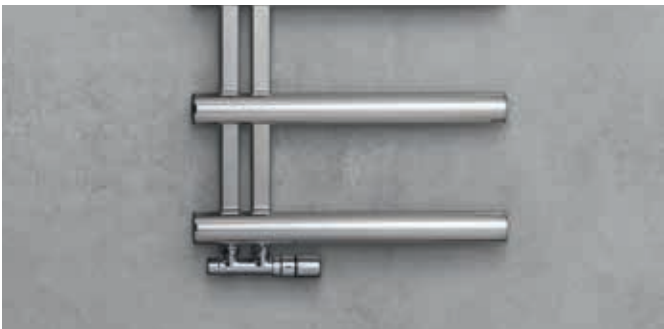
Radiator surface: Hand-polished stainless steel



# Zehnder Chime



Radiator surface: Hand-polished stainless steel



## Operation on central heating system

Zehnder Chime from the Studio Collection: the round design version made of hand-polished, high-quality stainless steel can be installed with the open end on the left or right. Powerful, self-assured design consisting of elegantly curved round tubes whose open side allows even very thick towels to be slid on as a convenient way of warming them.

Horizontal tubes each branch asymmetrically from the laterally arranged manifolds. Round tube Ø 51 mm, header tube 30 x 30 mm. Thermal output tested to EN 442, with CE marking. 4 x ½" female thread on the header tubes, connection size 50 mm. Flow, return at bottom, left-hand or right-hand installation option; top 2 x ½" directional air vent, screwed in at the factory for installation as right-hand version. Delivered ready to install with elegant wall brackets in chrome.

|                       |              |
|-----------------------|--------------|
| Operating pressure    | max. 5.2 bar |
| Operating temperature | max. 90 °C   |
| Height                | ..... mm     |
| Length                | ..... mm     |
| Model                 | .....        |

## Advantages

- Hand-polished stainless steel
- Ideal for hanging towels due to large tube spacing and asymmetrical tube arrangement
- Can be installed as a right-handed or left-handed version
- Easy to clean

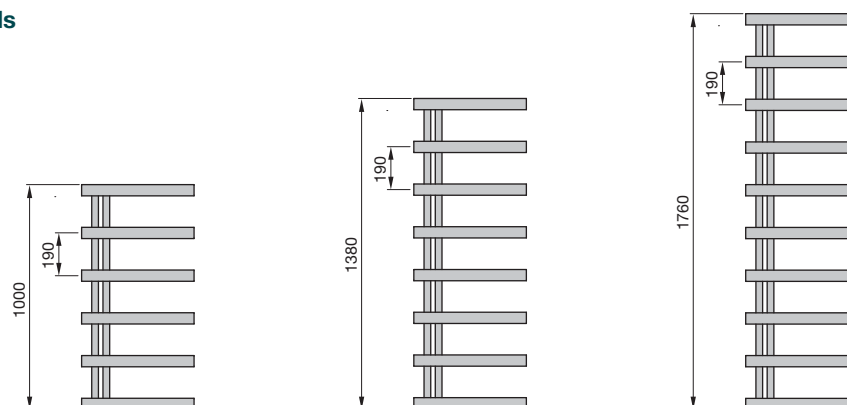
## Standard scope of delivery for operation on central heating system

- Hand-polished stainless steel
- 4 x ½" connections for flow, return, vent
- 2 x directional air vent ½" screwed in at the factory for installation as right-hand version
- Elegant wall brackets in chrome
- Packaging



## Zehnder Chime

### Overview of models



### Connection to hot water central heating system

| Model | H<br>mm | L<br>mm | Thermal output |               |               |               | Exp.<br>n | Classification<br>Electric heating element<br>Watt | V<br>dm <sup>3</sup> | M<br>kg | Price<br>€ |
|-------|---------|---------|----------------|---------------|---------------|---------------|-----------|----------------------------------------------------|----------------------|---------|------------|
|       |         |         | EN 442<br>W    | 70/55/24<br>W | 55/45/24<br>W | 55/45/20<br>W |           |                                                    |                      |         |            |

#### Stainless steel polished, Mirror version

|             |      |     |     |     |     |     |      |   |      |      |          |
|-------------|------|-----|-----|-----|-----|-----|------|---|------|------|----------|
| CHZ-100-050 | 1000 | 500 | 276 | 193 | 114 | 139 | 1.33 | - | 7.1  | 7.3  | 1.167,30 |
| CHZ-140-050 | 1380 | 500 | 377 | 272 | 170 | 203 | 1.20 | - | 9.5  | 9.6  | 1.412,28 |
| CHZ-180-050 | 1760 | 500 | 438 | 314 | 194 | 232 | 1.23 | - | 12.0 | 12.0 | 1.700,51 |

| Model | H<br>mm | L<br>mm | Thermal output |               |               |               | Exp.<br>n | Classification<br>Electric heating element<br>Watt | V<br>dm <sup>3</sup> | M<br>kg | Price<br>€ |
|-------|---------|---------|----------------|---------------|---------------|---------------|-----------|----------------------------------------------------|----------------------|---------|------------|
|       |         |         | EN 442<br>W    | 70/55/24<br>W | 55/45/24<br>W | 55/45/20<br>W |           |                                                    |                      |         |            |

#### Stainless steel polished, Volcanic version

|                 |      |     |     |     |     |     |      |   |      |      |          |
|-----------------|------|-----|-----|-----|-----|-----|------|---|------|------|----------|
| CHZ-100-50-0336 | 1000 | 500 | 276 | 193 | 114 | 139 | 1.33 | - | 7.1  | 7.3  | 943,87   |
| CHZ-140-50-0336 | 1380 | 500 | 377 | 272 | 170 | 203 | 1.20 | - | 9.5  | 9.6  | 1.185,32 |
| CHZ-180-50-0336 | 1760 | 500 | 438 | 314 | 194 | 232 | 1.23 | - | 12.0 | 12.0 | 1.448,73 |

| Model | H<br>mm | L<br>mm | Thermal output |               |               |               | Exp.<br>n | Classification<br>Electric heating element<br>Watt | V<br>dm <sup>3</sup> | M<br>kg | Price<br>Stainless steel<br>€ |
|-------|---------|---------|----------------|---------------|---------------|---------------|-----------|----------------------------------------------------|----------------------|---------|-------------------------------|
|       |         |         | EN 442<br>W    | 70/55/24<br>W | 55/45/24<br>W | 55/45/20<br>W |           |                                                    |                      |         |                               |

#### Stainless steel Brushed version

|                 |      |     |     |     |     |     |      |   |      |      |          |
|-----------------|------|-----|-----|-----|-----|-----|------|---|------|------|----------|
| CHZ-100-50-9517 | 1000 | 500 | 276 | 193 | 114 | 139 | 1.33 | - | 7.1  | 7.3  | 826,80   |
| CHZ-140-50-9517 | 1380 | 500 | 377 | 272 | 170 | 203 | 1.20 | - | 9.5  | 9.6  | 1.038,99 |
| CHZ-180-50-9517 | 1760 | 500 | 438 | 314 | 194 | 232 | 1.23 | - | 12.0 | 12.0 | 1.229,22 |

| Model | H<br>mm | L<br>mm | Thermal output |               |               |               | Exp.<br>n | Classification<br>Electric heating element<br>Watt | V<br>dm <sup>3</sup> | M<br>kg | Price<br>€ |
|-------|---------|---------|----------------|---------------|---------------|---------------|-----------|----------------------------------------------------|----------------------|---------|------------|
|       |         |         | EN 442<br>W    | 70/55/24<br>W | 55/45/24<br>W | 55/45/20<br>W |           |                                                    |                      |         |            |

#### Brushed Brass version

|                 |      |     |     |     |     |     |      |   |     |     |          |
|-----------------|------|-----|-----|-----|-----|-----|------|---|-----|-----|----------|
| CHZ-100-50-N209 | 1000 | 500 | 276 | 193 | 114 | 139 | 1.33 | - | 7.1 | 7.3 | 1.167,30 |
| CHZ-140-50-N209 | 1380 | 500 | 377 | 272 | 170 | 203 | 1.20 | - | 9.5 | 9.6 | 1.412,28 |

| Model | H<br>mm | L<br>mm | Thermal output |               |               |               | Exp.<br>n | Classification<br>Electric heating element<br>Watt | V<br>dm <sup>3</sup> | M<br>kg | Price<br>€ |
|-------|---------|---------|----------------|---------------|---------------|---------------|-----------|----------------------------------------------------|----------------------|---------|------------|
|       |         |         | EN 442<br>W    | 70/55/24<br>W | 55/45/24<br>W | 55/45/20<br>W |           |                                                    |                      |         |            |

#### Brushed Black Chrome version

|                 |      |     |     |     |     |     |      |   |     |     |          |
|-----------------|------|-----|-----|-----|-----|-----|------|---|-----|-----|----------|
| CHZ-100-50-N211 | 1000 | 500 | 276 | 193 | 114 | 139 | 1.33 | - | 7.1 | 7.3 | 1.167,30 |
| CHZ-140-50-N211 | 1380 | 500 | 377 | 272 | 170 | 203 | 1.20 | - | 9.5 | 9.6 | 1.412,28 |

# Zehnder Chime

## Connection to hot water central heating system

| Model | H<br>mm | L<br>mm | EN 442 <sup>①</sup><br>W | Thermal output |               |               | Exp.<br>n | Classification<br>Electric heating element<br>Watt | V<br>dm <sup>3</sup> | M<br>kg | Price<br>€ |
|-------|---------|---------|--------------------------|----------------|---------------|---------------|-----------|----------------------------------------------------|----------------------|---------|------------|
|       |         |         |                          | 70/55/24<br>W  | 55/45/24<br>W | 55/45/20<br>W |           |                                                    |                      |         |            |

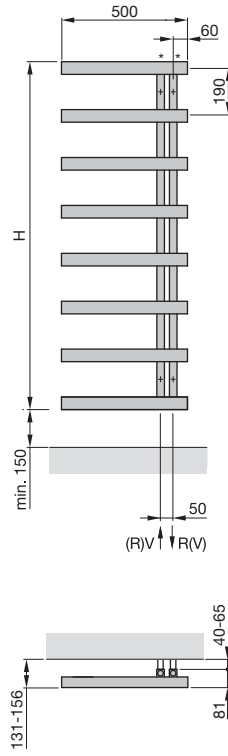
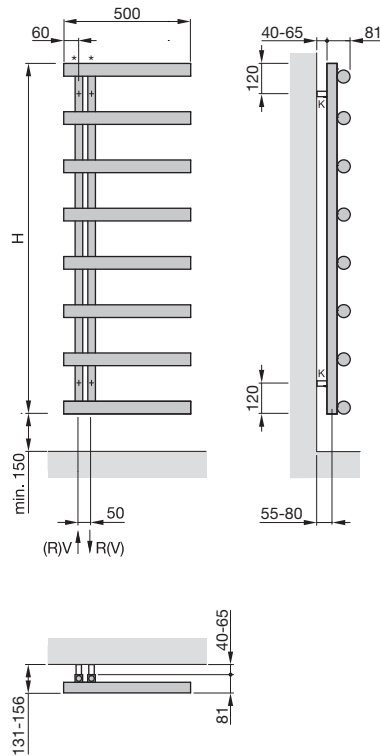
|                               |      |     |     |     |     |     |      |   |     |     |          |
|-------------------------------|------|-----|-----|-----|-----|-----|------|---|-----|-----|----------|
| <b>Brushed Bronze version</b> |      |     |     |     |     |     |      |   |     |     |          |
| CHZ-100-50-N213               | 1000 | 500 | 276 | 193 | 114 | 139 | 1.33 | - | 7.1 | 7.3 | 1.167,30 |
| CHZ-140-50-N213               | 1380 | 500 | 377 | 272 | 170 | 203 | 1.20 | - | 9.5 | 9.6 | 1.412,28 |

| Special solution on request (surcharge)                 | Article no. | Price €              |
|---------------------------------------------------------|-------------|----------------------|
| ▪ Zehnder thermostat                                    | -           | see page 158         |
| ▪ Zehnder valves, return screw connections and fittings | -           | see page 159 onwards |

## Operation on central heating system:

Wall mounting, installation as right-hand version

Wall mounting, installation as left-hand version



- H = Height
- V = Flow
- R = Return
- K = Bracket(s)
- \* = Vent

Dimensions in mm



Brushed Brass  
(code N209)



Brushed Black  
Chrome  
(code N211)



Brushed Bronze  
(code N213)

① Thermal output to EN 442, ΔT 50 K (75/65/20 °C)

studio  
collection

## Zehnder Deseo Verso

The Zehnder Deseo Verso electric glass radiator from the Studio Collection combines a modern design with exceptional comfort and outstanding functionality. The elegant black, white or even reflective heated glass front makes this decorative radiator an eye-catching feature that fits perfectly into all kinds of bathroom designs. Additional special features for users: One or two extendable towel rails, depending on the model, which can be mounted on the back of the radiator. This allows the towels to 'disappear' behind the glass front and keeps the bathroom looking neat and tidy. Every detail perfectly thought out.



**DESIGN PLUS**  
powered by: **ISH**



Heated glass front: Black

# Zehnder Deseo Verso



Heated glass front: Black



Heated glass front: White

## Electric operation

Zehnder Deseo Verso decorative radiator, electric-only, made of safety glass – double-hardened (class B in accordance with EN 12600), includes one or two polished stainless steel towel rails (depending on model) for mounting on the back of the radiator at the specified height with extension to the right or left (can be selected for each towel rail when installing). Operation of the heated glass front via simple control panel (modes: Surface temperature 45 °C, 55 °C, 65 °C, 2 h timer function, off), with keylock option, or using separate model 4 battery-powered infrared remote control model 4 with room temperature control (modes: frost protection, economy, comfort, individual daily or weekly programme, off). Heated glass front available in black, white or as a mirror. Connection cable 1,8 m long with two pin plug, simple cable routing adjusted to the towel rail installation via cable clips pre-installed on the back of the decorative radiator ex works. Nominal voltage 230 volts, splash-proof IP 45.

|        |          |
|--------|----------|
| Output | ..... W  |
| Height | ..... mm |
| Length | ..... mm |
| Model  | .....    |

## Advantages

- Minimalist, modern design that adds an elegant touch to the bathroom
- Practical: extendable towel rail on the back of the radiator ensures a tidy bathroom
- Heated glass front provides pleasant warmth in next to no time
- Convenient operation via control panel or remote control
- Supplied mounting template ensures easy installation
- Low energy consumption in stand-by mode ( $\leq 0.5$  W)
- Energy-efficient and comfortable heating via innovative open window detection
- Ready-to-plug

## Standard scope of delivery for electric operation

- Radiator made from safety glass with control box and cable clips pre-installed on the back
- Polished stainless steel towel rails for mounting on the back of the radiator, extension either to left or right (as selected during installation); for 1500 mm height: one towel rail; for 1750 mm height: two towel rails per radiator, with fixing material
- Infrared remote control model 4 including batteries (AAA) with selectable modes: manual (above room temperature), weekly programme, timer, frost protection, off
- Wall mounting accessories and cable clips in the colour of the radiator, or for mirror radiators: Wall bracket + cable clips in black
- Wall spacer for adjustment to the correct wall clearance
- Packaging and drilling template



Remote control model 4



## Zehnder Deseo Verso

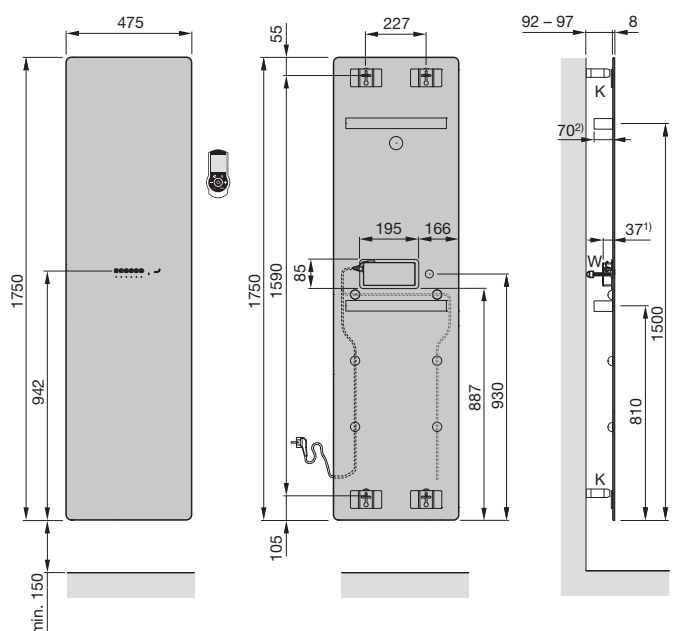
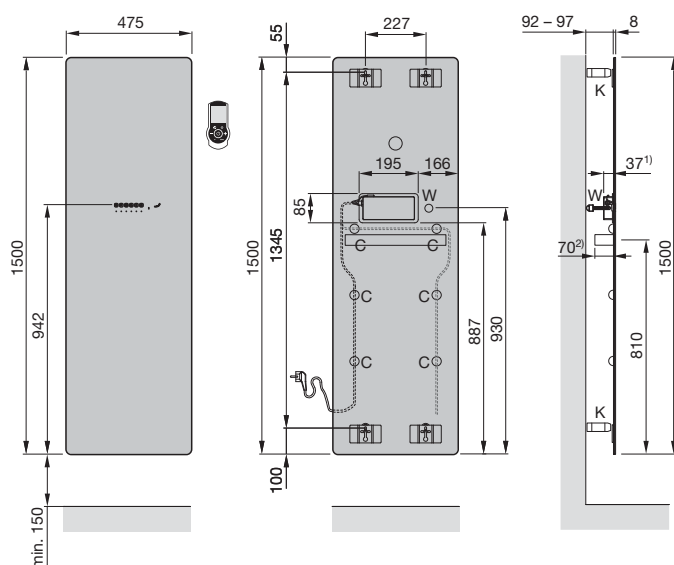
### Electric-only operation



| Model         | Colour | H<br>mm | L<br>mm | Electrical<br>output<br>W | Price<br>€ |
|---------------|--------|---------|---------|---------------------------|------------|
| DVW-150-048/D | White  | 1500    | 475     | 600                       | 2.101,88   |
| DVB-150-048/D | Black  | 1500    | 475     | 600                       | 2.101,88   |
| DVM-150-048/D | Mirror | 1500    | 475     | 600                       | 2.237,49   |
| DVW-175-048/D | White  | 1750    | 475     | 750                       | 2.413,78   |
| DVB-175-048/D | Black  | 1750    | 475     | 750                       | 2.413,78   |
| DVM-175-048/D | Mirror | 1750    | 475     | 750                       | 2.549,37   |

### Electric operation:

Wall mounting

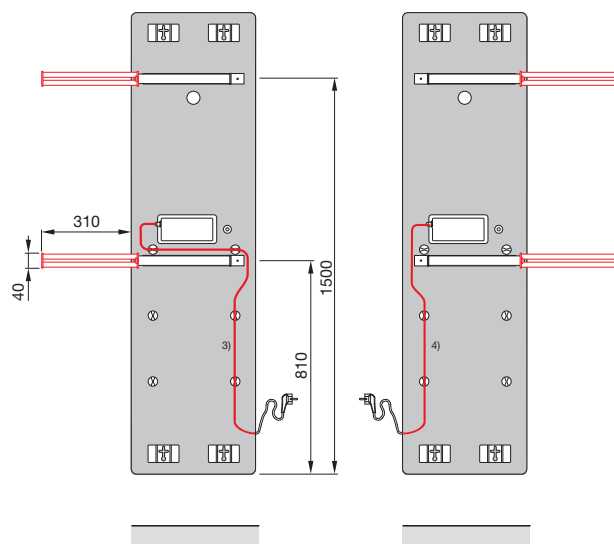
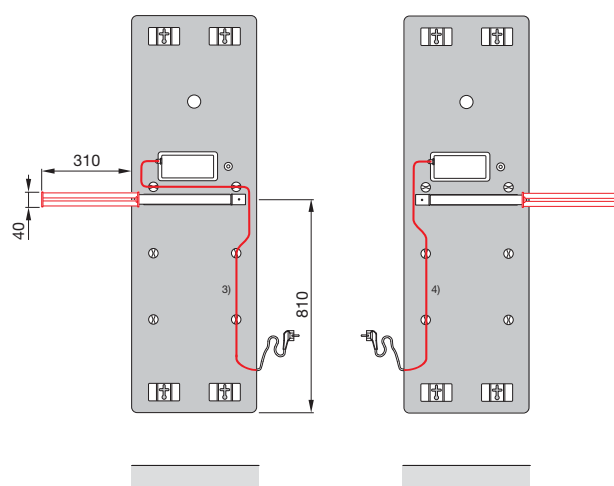


H = Height  
L = Length  
K = Bracket  
C = Cable clip (for cable routing, see towel rail installation drawing)  
W = Wall spacer

Dimensions in mm

For keywords, see 'Electric operation and Ecodesign Directive' on page 166 [1](#)

Towel rail for extension to left or right as preferred



1) Back of control box to back of radiator

2) Back of towel rail to back of radiator

Cable length available in the direction of the connection from bottom edge of radiator depending on cable routing:

3) 500 mm

4) 800 mm



studio  
collection

## Zehnder Folio Belt

With an impressive flat surface, full closed edging and gently tapered silhouette – Folio from the Zehnder Studio Collection is highly appealing with its unusually light appearance. The design of this radiator, which has a projection of only 16 mm, has only been made possible by the development of innovative design elements and materials. The striking flat shape of Zehnder Folio is a result of innovative heating technology. The material and colour can be selected to make the radiator harmoniously blend into or create a pleasing contrast to your interior design concept. The oak, wenge, high-grade Macassar ebony or anodised aluminium finishes allow the heat to flow into the room elegantly and efficiently. The Zehnder Folio Belt version comes with one or two towel rails, whilst also providing maximum style and comfort to any bathroom.



Radiator surface: White Matt



## Zehnder Folio Belt



Radiator surface: anodised aluminium



Radiator surface: anodised aluminium / white matt

### Operation on central heating system

The impressive Zehnder Folio Belt from the Studio Collection features an unusually light and floating appearance. The design of this radiator, which has a projection of only 16 millimetres depth, has only been made possible by the development of innovative design elements and materials.

Heating register made of copper pipe Ø 12 mm, embedded in an aluminium honeycomb construction, which is enclosed by expanded natural graphite, 45° inclined edges made of polyamide. One or two (depending on model, according to overview of models) chrome-plated towel rails 40 x 4 mm, for installation at a fixed predefined position, included in scope of delivery.

Thermal output to EN 442, with CE marking. With two connections ½" female thread for flow/return at the bottom centre, distance of 50 mm, decorative directional air vent ½" at the top rear.

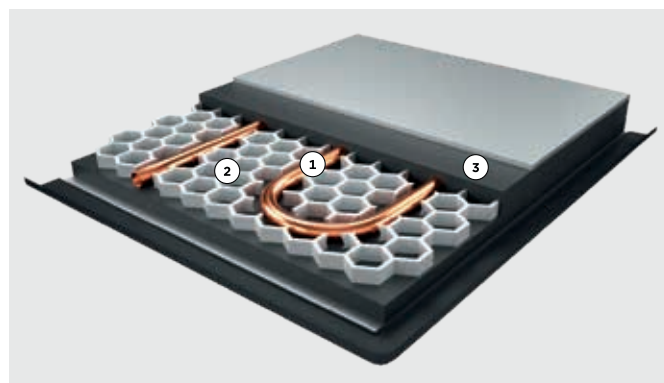
Front and back made of aluminium available in all colours according to the Zehnder colour chart as well as in the specified surfaces, back with anodised aluminium finish in matt black. Delivered ready to install with elegantly shaped wall brackets in radiator colour (anodised aluminium surface: wall brackets in matt black).

|                       |               |
|-----------------------|---------------|
| Operating pressure    | max. 10.0 bar |
| Operating temperature | max. 80 °C    |
| Height                | ..... mm      |
| Length                | ..... mm      |
| Model                 | .....         |

### Advantages

- Innovative heating technology
- Sleek, elegant design
- Smooth surface makes for easy cleaning
- Convenient for hanging up towels

### Construction

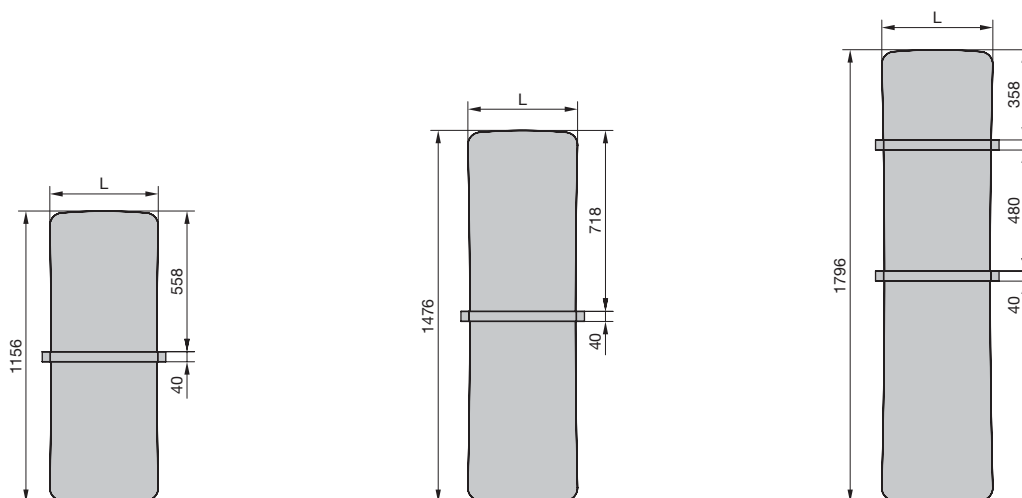


At the core of this decorative radiator is a heating register made of copper (1), embedded in an aluminium honeycomb construction (2), which is surrounded by expanded natural graphite (3).

Thanks to this special, newly developed design and an innovative manufacturing technique, Zehnder was able to develop this very thin and ultra-light radiator without compromising on performance. The natural graphite used is an innovative material with ideal properties such as high thermal conductivity, low density and resistance to ageing.

## Zehnder Folio Belt

### Overview of models



### Connection to hot water central heating system

| Model           | H    | L   | Thermal output           |               |               |               | Exp. | Classification<br>Electric heating element<br>Watt | V<br>dm <sup>3</sup> | M<br>kg | Price<br>RAL 9016<br>€ | Price <sup>①</sup><br>Cat. 1<br>€ |
|-----------------|------|-----|--------------------------|---------------|---------------|---------------|------|----------------------------------------------------|----------------------|---------|------------------------|-----------------------------------|
|                 | mm   | mm  | EN 442 <sup>②</sup><br>W | 70/55/24<br>W | 55/45/24<br>W | 55/45/20<br>W |      |                                                    |                      |         |                        |                                   |
| Painted version |      |     |                          |               |               |               |      |                                                    |                      |         |                        |                                   |
| FZB-120-042     | 1156 | 430 | 399                      | 288           | 180           | 215           | 1.20 | -                                                  | 0.5                  | 6.2     | 1.326,01               | 1.657,51                          |
| FZB-150-042     | 1476 | 435 | 504                      | 364           | 227           | 271           | 1.20 | -                                                  | 0.6                  | 8.5     | 1.564,23               | 1.955,30                          |
| FZB-180-042     | 1796 | 441 | 614                      | 444           | 277           | 330           | 1.20 | -                                                  | 0.6                  | 12.8    | 1.750,03               | 2.187,54                          |
| FZB-120-052     | 1156 | 530 | 485                      | 350           | 219           | 261           | 1.20 | -                                                  | 0.6                  | 8.0     | 1.352,98               | 1.691,22                          |
| FZB-150-052     | 1476 | 535 | 611                      | 441           | 276           | 329           | 1.20 | -                                                  | 0.7                  | 10.2    | 1.595,70               | 1.994,63                          |
| FZB-180-052     | 1796 | 540 | 762                      | 551           | 344           | 410           | 1.20 | -                                                  | 0.8                  | 14.7    | 1.785,98               | 2.232,48                          |
| FZB-150-062     | 1476 | 635 | 718                      | 519           | 324           | 386           | 1.20 | -                                                  | 0.8                  | 12.0    | 1.646,65               | 2.058,31                          |
| FZB-180-062     | 1796 | 640 | 912                      | 657           | 409           | 488           | 1.21 | -                                                  | 1.0                  | 16.4    | 1.841,43               | 2.301,79                          |
| FZB-180-072     | 1796 | 740 | 1064                     | 765           | 474           | 566           | 1.22 | -                                                  | 1.2                  | 18.1    | 1.902,86               | 2.378,59                          |

### Standard scope of delivery for operation on central heating system

- Powder coating to DIN 55900, RAL 9016
- 1 or 2 chrome towel rails depending on version
- 2 x ½" connections at bottom, centre 50 mm
- ½" directional air vent
- Elegant wall brackets
- Packaging

① For special colours in categories 1 and 2, see special solutions and colour chart

② Thermal output to EN 442, ΔT 50 K (75/65/20 °C)



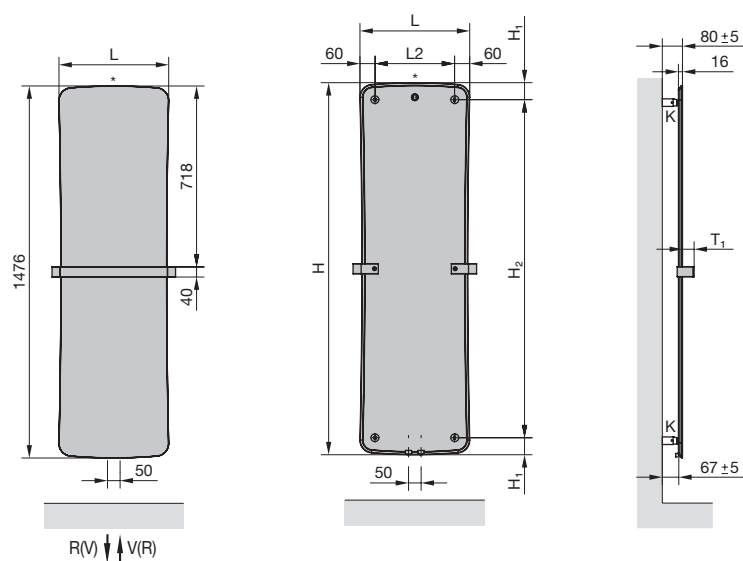
## Zehnder Folio Belt

| Special solution on request (surcharge)                 | Article no. | Price €                     |
|---------------------------------------------------------|-------------|-----------------------------|
| ▪ Special finish to category 2 (surcharge on cat. 1)    | -           | <b>146,76</b>               |
| ▪ Highly-polished metal surfaces: anodised aluminium    | -           | <b>as in Cat. 1</b>         |
| ▪ Zehnder thermostat                                    | -           | <b>see page 158</b>         |
| ▪ Zehnder valves, return screw connections and fittings | -           | <b>see page 159 onwards</b> |

### Operation on central heating system:

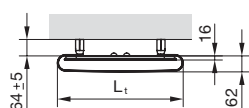
Wall mounting

Back cover



H = Height  
L = Length  
V = Flow  
R = Return  
K = Bracket(s)  
\* = Vent

Dimensions in mm



| Model       | H mm | L mm | H <sub>1</sub> mm | H <sub>2</sub> mm | L <sub>2</sub> mm | L <sub>t</sub> mm | T <sub>1</sub> mm |
|-------------|------|------|-------------------|-------------------|-------------------|-------------------|-------------------|
| FZB-120-042 | 1156 | 430  | 67                | 1022              | 310               | 490               | 46                |
| FZB-150-042 | 1476 | 435  | 67.5              | 1341              | 315               | 490               | 46                |
| FZB-180-042 | 1796 | 441  | 67.5              | 1661              | 321               | 490               | 46                |
| FZB-120-052 | 1156 | 530  | 72                | 1012              | 410               | 590               | 48                |
| FZB-150-052 | 1476 | 535  | 72.5              | 1331              | 415               | 590               | 48                |
| FZB-180-052 | 1796 | 540  | 73                | 1650              | 420               | 590               | 48                |
| FZB-150-062 | 1476 | 635  | 79                | 1318              | 515               | 690               | 50                |
| FZB-180-062 | 1796 | 640  | 79.5              | 1637              | 520               | 690               | 50                |
| FZB-180-072 | 1796 | 740  | 87                | 1622              | 620               | 790               | 52                |

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collection

## Zehnder Folio Glass

Whether it's black, white or even in the form of a mirror, Folio Glass from the Zehnder Studio Collection integrates itself harmoniously into its interior environment with its elegant glass finish. The extremely slender, flat surface of only 10 mm, the fully closed edges and the gently tapering silhouette – Zehnder Folio Glass appeals with its unusually light appearance. The design of the glass surface floating in the room is the result of innovative technology. Controlled either by remote control or directly on the surface, it delivers maximum style and comfort. Zehnder Folio Glass – crystal-clear design for your home.



Radiator surface: Mirror



# Zehnder Folio Glass



Radiator surface: Black gloss



Radiator surface: White gloss

## Electric operation

Whether it's black, white or even in the form of a mirror, Zehnder Folio Glass from the Studio Collection integrates itself harmoniously into its interior environment with its elegant glass finish. With an extremely flat body of only 10 mm in depth, fully closed edges and a gently tapering silhouette, the Zehnder Folio Glass appeals with its unusually light appearance. The design of the glass surface floating in the room is the result of innovative technology. Glass finish made of laminated safety glass of 2 x 4 mm, with an integrated electrically operated heating film. One or two chrome-plated towel rails can be ordered separately. For retrofitting at a fixed predefined position. Operation via control element (control panel) or chronosonda. Splash-proof IP44, mains power supply 230 V. Connection cable 1.2 m in length with two pin plug. White cable and plug, cable outlet downwards. Front available in black gloss, white gloss, mirror. Delivered ready to install with elegant wall brackets in black.

|        |          |
|--------|----------|
| Output | ..... W  |
| Height | ..... mm |
| Length | ..... mm |
| Model  | .....    |

## Advantages

- Minimalist, modern design that adds an elegant touch to the bathroom
- Intuitive, integrated control on the surface (control panel)
- Operation via control panel and remote control possible
- Durable safety glass
- Heated glass front provides pleasant warmth in next to no time
- Optionally with towel rails in chrome
- Ready-to-plug

## Standard scope of delivery for electric operation

- Glass surface made of laminated safety glass in glossy black, glossy white or as a mirror
- Remote control, with selectable modes: frost protection, economy, comfort, automatic, off, room temperature control, daily and weekly programme
- Control element (control panel) with 3 temperature levels (control of surface temperature) 45 °C, 55 °C, 65 °C, timer: 2 hours at 65 °C
- Mounting accessories in radiator colour or black for mirror radiators
- Wall spacer for adjustment to the correct wall clearance
- Packaging



Remote control model 4



# Zehnder Folio Glass

## Electric-only operation

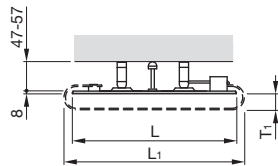
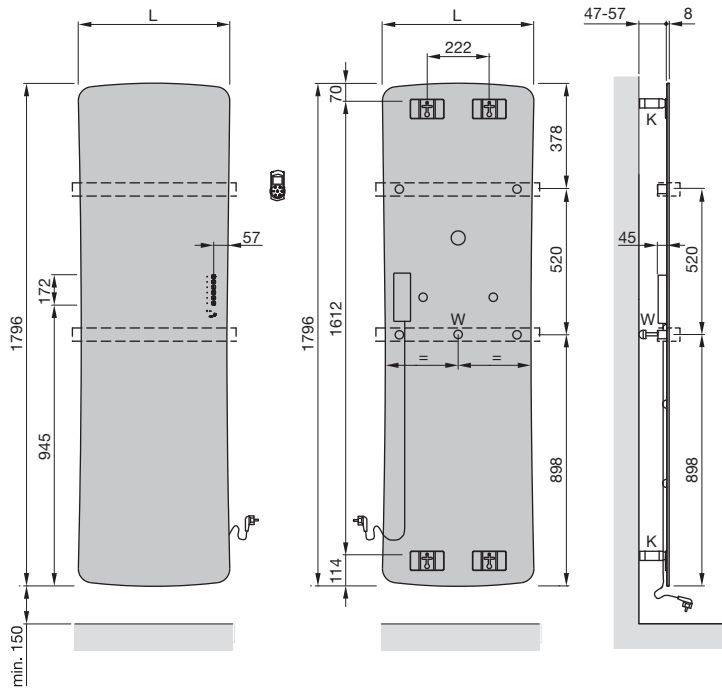


| Model         | Colour | H<br>mm | L<br>mm | Electrical<br>output<br>W | Price<br>€ |
|---------------|--------|---------|---------|---------------------------|------------|
| FZW-180-042/D | White  | 1796    | 441     | 650                       | 1.698,89   |
| FZB-180-042/D | Black  | 1796    | 441     | 650                       | 1.698,89   |
| FZM-180-042/D | Mirror | 1796    | 441     | 650                       | 1.698,89   |
| FZW-180-052/D | White  | 1796    | 540     | 800                       | 1.898,77   |
| FZB-180-052/D | Black  | 1796    | 540     | 800                       | 1.898,77   |
| FZM-180-052/D | Mirror | 1796    | 540     | 800                       | 1.898,77   |

| Special solution on request (surcharge) | Article no. | Price € |
|-----------------------------------------|-------------|---------|
| ▪ Chrome-plated towel rail for L = 441  | 468438      | 231,59  |
| ▪ Chrome-plated towel rail for L = 540  | 468448      | 256,85  |

## Electric operation:

Wall mounting with optional towel rail



H = Height  
L = Length  
K = Bracket  
W = Wall spacer  
L<sub>1</sub> = 490 for L = 441, 590 for L = 540  
T<sub>1</sub> = 46 for L = 441, 48 for L = 540

Dimensions in mm

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collection

## Zehnder Folio Hybrid

The extremely flat surface, the fully closed edges and the gently tapering silhouette – Folio Hybrid from the Zehnder Studio Collection appeals with its unusually light appearance. The design of this radiator, which has a projection of only 16 mm, has only been made possible by the development of innovative design elements and materials. The combination of a glossy and a matt surface allows the technology behind it to shine through: an electrically operated infrared heating element made of glass is located in the middle of the designer radiator, the rapid reaction time of which enables drying or warming of towels in the shortest time possible. The surrounding radiator is connected to the central heating system and provides cosy warmth in the room. With up to two chrome-plated towel rails, Zehnder Folio Hybrid also lends maximum style and comfort to the bathroom. Zehnder Folio Hybrid – the best of two heating philosophies.



Radiator surface: Black

# Zehnder Folio Hybrid



Radiator surface: White



Radiator surface: Black

## Hybrid operation

Zehnder Folio Hybrid from the Studio Collection combines two heating systems in one radiator. The design of this radiator, which has a projection of only 16 millimetres deep, has only been made possible by the development of innovative design elements and materials.

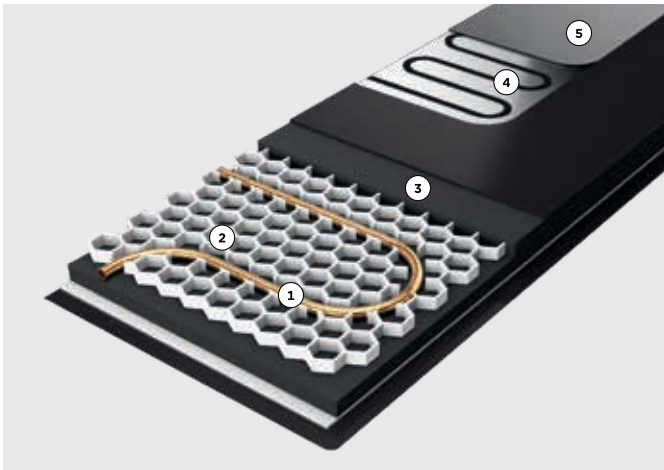
Heating register made of copper pipe Ø 12 mm, embedded in an aluminium honeycomb construction, which is enclosed by expanded natural graphite, 45° inclined edges made of polyamide. Glass finish made of laminated safety glass measuring 2 x 4 mm, with an integrated electrically operated heating film. The two heating systems (radiator and heating element) can be operated independently of each other. One or two (depending on model, according to overview of models) chrome-plated towel rails 40 x 4 mm, for installation at a fixed predefined position, included in scope of delivery. Thermal output to EN 442, with CE marking. With two connections ½" female thread for flow/return at the bottom centre, distance of 50 mm, decorative directional air vent ½" at the top rear. Operation of heating element via control element (control panel). Splash-proof IP45, protection class II, mains connection 230 V. Connection cable (1.1 m) with Euro plug. White cable and plug, cable outlet towards the back. Front and back in aluminium available in white matt (0556) and black matt (0557). Heating element surface: Glass, white gloss and black gloss. Delivered ready to install with elegant wall brackets in radiator colour.

|                       |               |
|-----------------------|---------------|
| Operating pressure    | max. 10.0 bar |
| Operating temperature | max. 80 °C    |
| Height                | ..... mm      |
| Length                | ..... mm      |
| Model                 | .....         |

## Advantages

- The two heating systems can be operated independently of each other.
- Sleek, elegant design
- Smooth surface makes for easy cleaning
- Convenient for hanging up towels

## Construction

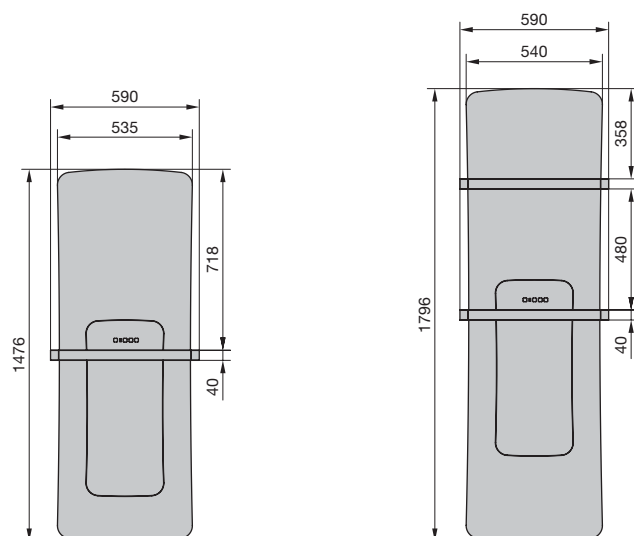


The decorative radiator consists of two different heating system technologies. The outer part is connected to the hot water central heating system. At the core of this system is a heating register made of copper (1), embedded in an aluminium honeycomb construction (2), which is surrounded by expanded natural graphite (3). The natural graphite used is an innovative material with ideal properties such as high thermal conductivity, low density and resistance to ageing. The inner part of the radiator consists of a heating film (4), which is sandwiched between two thin glass plates (5) of 4 mm each. Thanks to this special, newly developed design and an innovative manufacturing technique, Zehnder was able to develop this very thin and ultra-light radiator without compromising on performance.



## Zehnder Folio Hybrid

### Overview of models



### Connection to hot water central heating system / electric operation

| Model                                                                         | H    | L   | Thermal output |               |               |               | Exp. | Electrical output<br>W | V<br>dm³ | M<br>kg | Price<br>€ |
|-------------------------------------------------------------------------------|------|-----|----------------|---------------|---------------|---------------|------|------------------------|----------|---------|------------|
|                                                                               | mm   | mm  | EN 442<br>W    | 70/55/24<br>W | 55/45/24<br>W | 55/45/20<br>W |      |                        |          |         |            |
| Painted version, White matt (0556) / white gloss (radiator / heating element) |      |     |                |               |               |               |      |                        |          |         |            |
| FZHW-150-052/D                                                                | 1476 | 535 | 514            | 371           | 232           | 276           | 1.20 | 100                    | 0.5      | 14.1    | 1.921,07   |
| FZHW-180-052/D                                                                | 1796 | 540 | 648            | 463           | 285           | 341           | 1.24 | 100                    | 0.6      | 17.7    | 2.092,12   |
| Painted version, Black matt (0557) / black gloss (radiator / heating element) |      |     |                |               |               |               |      |                        |          |         |            |
| FZHB-150-052/D                                                                | 1476 | 535 | 514            | 371           | 232           | 276           | 1.20 | 100                    | 0.5      | 14.1    | 1.921,07   |
| FZHB-180-052/D                                                                | 1796 | 540 | 648            | 463           | 285           | 341           | 1.24 | 100                    | 0.6      | 17.7    | 2.092,12   |

| Special solution on request (surcharge)                 | Article no. | Price €              |
|---------------------------------------------------------|-------------|----------------------|
| ▪ Zehnder thermostat                                    | -           | see page 158         |
| ▪ Zehnder valves, return screw connections and fittings | -           | see page 159 onwards |

### Standard scope of delivery for hybrid operation

- Powder-coated radiator according to DIN 55900  
Matt white or matt black
- Glass finish made of laminated safety glass in white gloss or black gloss
- 1 or 2 chrome towel rails depending on version
- 2 x ½" connections at bottom, centre 50 mm
- ½" directional air vent
- Integrated control element (control panel) with the following functions:  
Timer 30, 60 or 90 minutes, Off,  
Surface temperature: max. 65 °C
- Elegant wall brackets
- Packaging

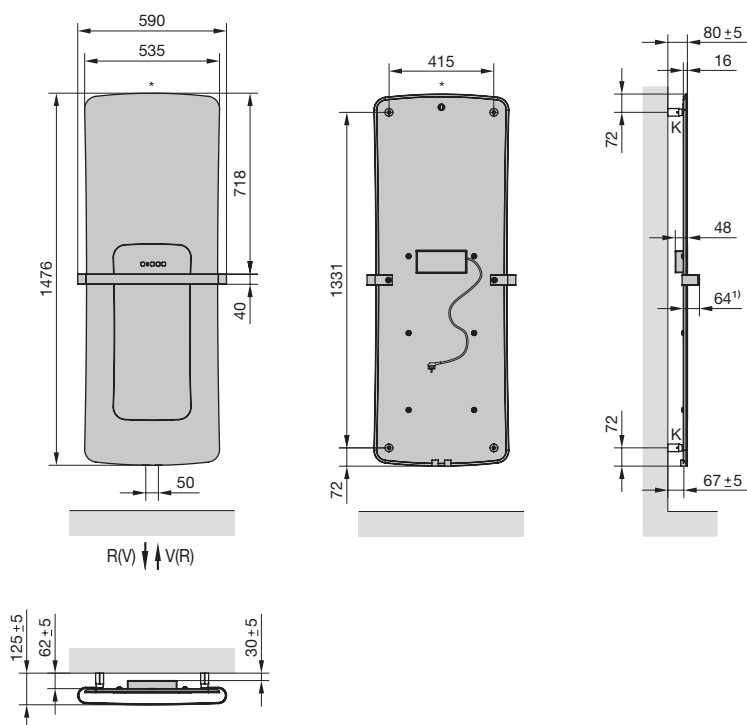
① Thermal output to EN 442, ΔT 50 K (75/65/20 °C)

## Zehnder Folio Hybrid

### Hybrid operation:

Wall mounting

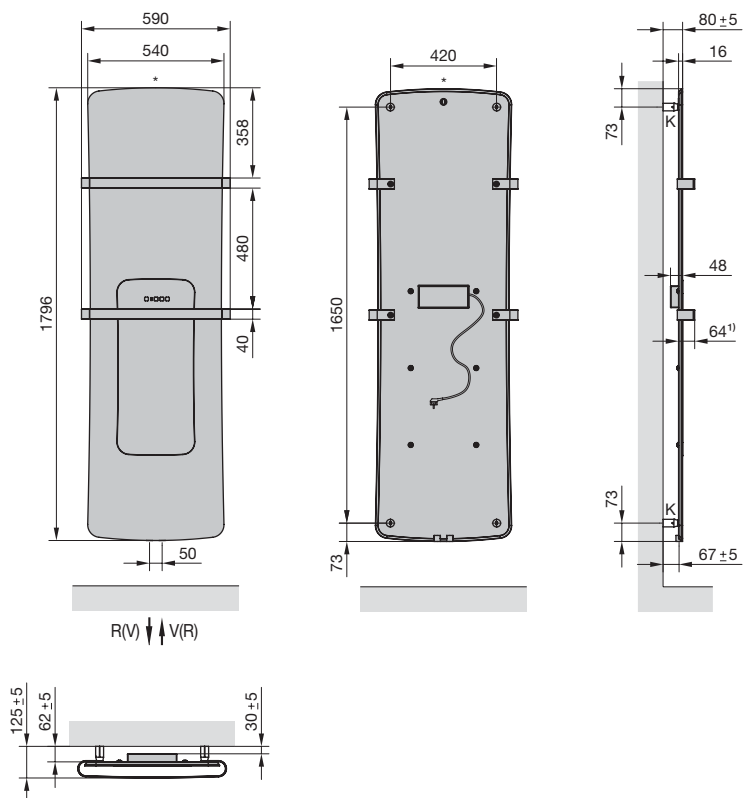
Back cover



### Hybrid operation:

Wall mounting

Back cover



V = Flow  
R = Return  
K = Bracket(s)  
\* = Vent

Dimensions in mm

1) Rear edge of radiator up to front edge of towel rail



# Zehnder Zenita

Zehnder Zenita from the Studio Collection is an electric towel warmer, towel dryer, infrared radiator and boost heater all-in-one – in the form of an integrated unit that perfectly blends into modern bathroom architecture thanks to its minimalist design. The revolutionary Zehnder Zenita thermal comfort unit supplies pleasant heat quickly and ensures ultimate comfort heating in your bathroom independently of the central heating system. At the same time, you can dry and warm towels behind a visually appealing heated glass door. Available in white and black.



Heated glass front: White



# Zehnder Zenia



Heated glass front: Black



Heated glass front: White

## Electric operation

Zehnder Zenia thermal comfort unit for rapidly heating and drying textiles, for operation in combination with a room heating system that covers the basic heat requirements. Zehnder Zenia comprises a housing for pre-assembly and thermal comfort unit for final assembly.

Option to select from either a rectangular frame or outer case as the housing for pre-assembly. Rectangular frame made of galvanised sheet steel for mounting the thermal comfort unit as an in-wall installation (in-wall systems, vertical frames or solid constructions) or for on-site integration into furniture. Aluminium decorative grille, painted, for mounting the thermal comfort unit as an on-wall installation.

Thermal comfort unit includes an inner case and an infrared heated glass front with the option to have the hinge on the left or right. Plastic inner case with integrated boost heater and glass cover with control panel and Bluetooth module. Heated glass door with internal towel rail for warming and drying textiles. Towel rail offers space for two towels of max. 140 x 70 cm each. Thermal comfort unit can either be operated via a simple control panel or an individually configurable app (available for both iOS and Android operating systems). Option of individual or combined operation of heated glass door (heated front face) and boost heater (functions: Boost function, towel warming or fast drying options, each with their own pre-set running time that can be modified via the app).

Thermal comfort unit with glass cover and infrared heated glass front available in black or white. Mains power supply for boost heater and heated glass door via common connection cable and mains power supply plug for connecting to on-site electrical connection box in the wall for a nominal voltage of 230 volts, total nominal output of 1225 W, splash-proof to IP 44 standards, complete with CE marking in accordance with DIN EN 60335 (Household and similar electrical appliances – Safety), suitable for optional connection in accordance with protection class I or II (DIN EN 61140), hinges certified in accordance with DIN EN 15570, heated glass door tested in accordance with VDI 6036 (requirements class 2), heated glass door made of safety glass – double-hardened (class B1 in accordance with EN 12600), system requirements for operation via app: iOS version 9.0 onwards, Android version 4.3 and 5.x onwards, Bluetooth from BLE onwards = Bluetooth 4.0 Low Energy.

|                                               |       |
|-----------------------------------------------|-------|
| Housing for pre-assembly model                | ..... |
| Thermal comfort unit for final assembly model | ..... |

## Advantages

- Hidden storage space ensures a tidy bathroom
- Heat readily available on demand for pre-heating rooms and towels with the integrated boost heater
- Radiant heat from the heated glass door creates a feeling of cosiness
- The intelligent drying function significantly reduces the build-up of bacteria on damp towels and textiles
- User-friendly operation with individual configuration options via an intuitive control panel or the app
- Smooth surfaces make for easy cleaning
- Low energy consumption of  $\leq 0.5$  W in stand-by mode for increased energy efficiency



## Zehnder Zenia

### Overview of models

#### Electric-only operation

Thermal comfort unit for final assembly



| Model | Colour | H<br>mm | L<br>mm | Boost<br>heater<br>output<br>W | Heated glass<br>door<br>Electric output<br>W | Price<br>€ |
|-------|--------|---------|---------|--------------------------------|----------------------------------------------|------------|
|-------|--------|---------|---------|--------------------------------|----------------------------------------------|------------|

#### With heated glass door hinged on the right

|                 |       |      |     |      |     |          |
|-----------------|-------|------|-----|------|-----|----------|
| ZENRW-100-045/X | White | 1000 | 450 | 1000 | 225 | 2.183,54 |
| ZENRB-100-045/X | Black | 1000 | 450 | 1000 | 225 | 2.183,54 |

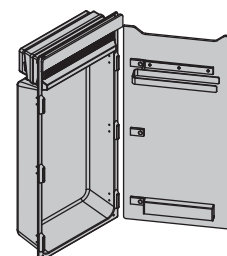
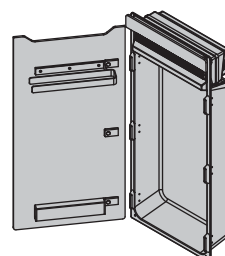
#### With heated glass door hinged on the left

|                 |       |      |     |      |     |          |
|-----------------|-------|------|-----|------|-----|----------|
| ZENLW-100-045/X | White | 1000 | 450 | 1000 | 225 | 2.183,54 |
| ZENLB-100-045/X | Black | 1000 | 450 | 1000 | 225 | 2.183,54 |

Thermal comfort unit for final assembly

Hinge on left

Hinge on right



#### Standard scope of delivery for thermal comfort unit

- Plastic inner case painted in RAL 000 25 00
- Boost heater with filter housing that can be removed for cleaning
- Glass cover with control panel and Bluetooth module
- Heated glass door with the option to have the hinge on the left or right and a mains power supply plug for connecting to the control box in the inner case
- Hinges with soft-close function including fixings to mount and align the door on the inner case
- Brushed stainless steel towel rail with fixings
- Glass cover and heated glass door in a single colour – either black or white
- Connection cable with mains power supply plug
- Packaging

Housing for pre-assembly

| Model | H<br>mm | L<br>mm | Price<br>€ |
|-------|---------|---------|------------|
|-------|---------|---------|------------|

#### Rectangular frame

(required for in-wall installation or integration into bathroom furniture, etc.)

|                |     |     |        |
|----------------|-----|-----|--------|
| ZENFRM-100-045 | 977 | 430 | 228,96 |
|----------------|-----|-----|--------|

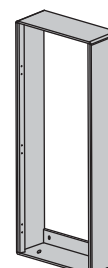
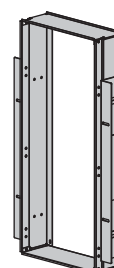
#### Outer case (required for on-wall installation)

|                |      |     |        |
|----------------|------|-----|--------|
| ZENFRD-100-045 | 1003 | 451 | 515,16 |
|----------------|------|-----|--------|

Housing for pre-assembly

Rectangular frame

Outer case



#### Standard scope of delivery for rectangular frame

- 4-part rectangular frame made of galvanised sheet steel complete with slots for mounting in an in-wall system
- 2 galvanised mounting brackets for mounting and aligning the rectangular frame to surrounding components
- Mains power supply socket for connecting to on-site electrical connection box
- Mounting accessories
- Cardboard cover for protection
- Packaging

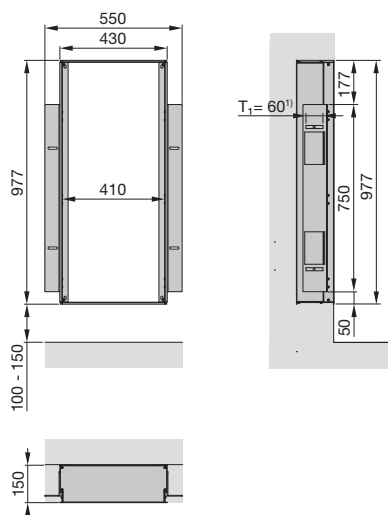
#### Standard scope of delivery for outer case

- Single-piece, aluminium outer case, surface painted in white aluminium, complete with fixings on the back for mounting on prefabricated walls
- Mains power supply socket for connecting to on-site electrical connection box
- Mounting accessories
- Packaging

For keywords, see 'Electric operation and Ecodesign Directive' on page 166

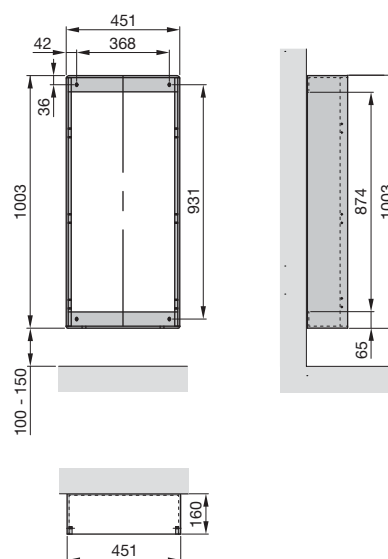
## Zehnder Zenia

**Rectangular frame (required for in-wall installation or integration into bathroom furniture, etc.):**

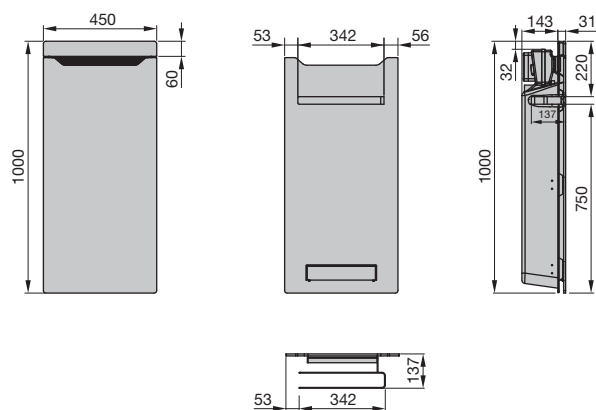


1)  $T_1$  = Depth adjustment of rectangular frame

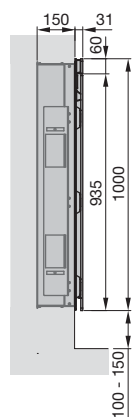
**Outer case (required for on-wall installation):**



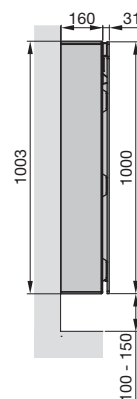
**Thermal comfort unit for final assembly:**



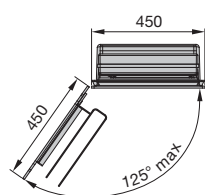
**Zehnder Zenia with in-wall installation**



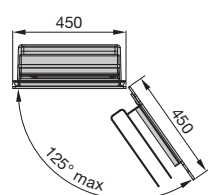
**Zehnder Zenia with on-wall installation**



Hinge on left



Hinge on right



Dimensions in mm



## Zehnder Zenia

### Installation options:

In-wall installation with rectangular frame



In-furniture installation with rectangular frame



On-wall installation with outer case

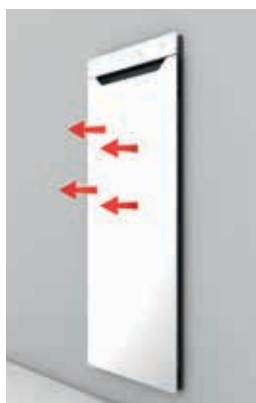


### Design of thermal comfort unit:



- ① Heated glass door with soft-close hinge
- ② Towel rail for hanging a maximum of two large bath towels of 140 x 70 cm
- ③ Glass cover with control panel and Bluetooth module
- ④ Suction area of the integrated boost heater with removable filter housing
- ⑤ Outlet area of the integrated boost heater
- ⑥ Easy-to-clean, plastic inner case

### Functions:



Pleasant radiant heat provided by integrated heated glass door.



Suction of room air beneath the glass cover by the boost heater. Warm, even airflow from above warms and dries textiles quickly.



Even, gentle distribution of the heated air via an outlet behind the heated glass door.

### Operation:



Straightforward selection of the four functions on the control panel. The intelligent app control also offers a range of additional functions: Remote control, daily and weekly programmes, options to change the factory settings, and support features (including video instructions for filter replacement and help with fault notifications).

## Zehnder Zenia

### Integration in special burgbad furniture



The Zehnder Zenia thermal comfort unit can be purchased from Zehnder retailers for direct integration into the specially designed burgbad cabinets. No additional housing is required for pre-assembly of Zehnder Zenia. A 230 V mains power supply is all you need.

The tall wall cabinet options have been especially designed to accommodate Zehnder Zenia and can be purchased from burgbad retailers. The scope of delivery from burgbad includes a suitable wall mounting bracket for Zehnder Zenia along with a mains power supply socket for connecting to an onsite electrical connection cable.

studio  
collection

# Zehnder Tetris

The Zehnder Tetris radiator, designed by King & Miranda, brings an exclusive fusion of nature and architecture to your space. Inspired by the flow of a river and the rhythm of flight, this design piece balances proportions and provides space to breathe. Tetris boasts clean lines accentuated by precision manufacturing techniques, and offers a practical solution for your towel hanging needs while bringing a sense of movement into your bathroom and kitchen. Available in various sizes and colours to perfectly match your style and interior design.



Radiator surface: Olive Green



## Zehnder Tetris



Radiator surface: Pastel Blue



Radiator surface: Black Quartz, with heating element IHC



Radiator surface: Golden Sand, with heating element IHE

### Operation on hot water central heating system

Zehnder Tetris from the Studio Collection has all steel construction: 40mm x 30mm D-shaped outer frame, 60mm x 30mm oval inner tubes with 4x ½" female thread connections. Radiator in standard colour RAL 9016, in special colour or surface. Delivered ready to install with wall brackets. Not suitable for use on domestic hot water system. Heat output determined in accordance with EN 442.

|                       |              |
|-----------------------|--------------|
| Operating pressure    | max. 4.0 bar |
| Operating temperature | max. 95 °C   |

### Advantages

- Individuality through extraordinary design
- Generous variety of towel storage
- Hidden fixing studs on the back of the radiator
- Large pipe spacing allows easy cleaning
- High performance

Hydronic version cannot be used with an electric heating element IHE or IHC.

### Electric operation

Zehnder Tetris from the Studio Collection has all steel construction: 40mm x 30mm D-shaped outer frame, 60mm x 30mm oval inner tubes with 4x ½" female thread connections. Radiator in standard colour RAL 9016, in special colour or surface.

Version with heating element IHE: With built-in immersion heater, installed at bottom right, without control option, control unit in white (if radiator is white ) or chrome (for all other radiator surfaces) for mains power supply of 230 V.

Version with heating element IHC: With built-in immersion heater, installed at bottom right and control unit with LED matrix display, control unit white, black or grey (depending on radiator colour), cable with length 1,2m and plug in colour of control unit, for mains power supply of 230 V, IP 65.

### Special benefits for electric operation with IHC

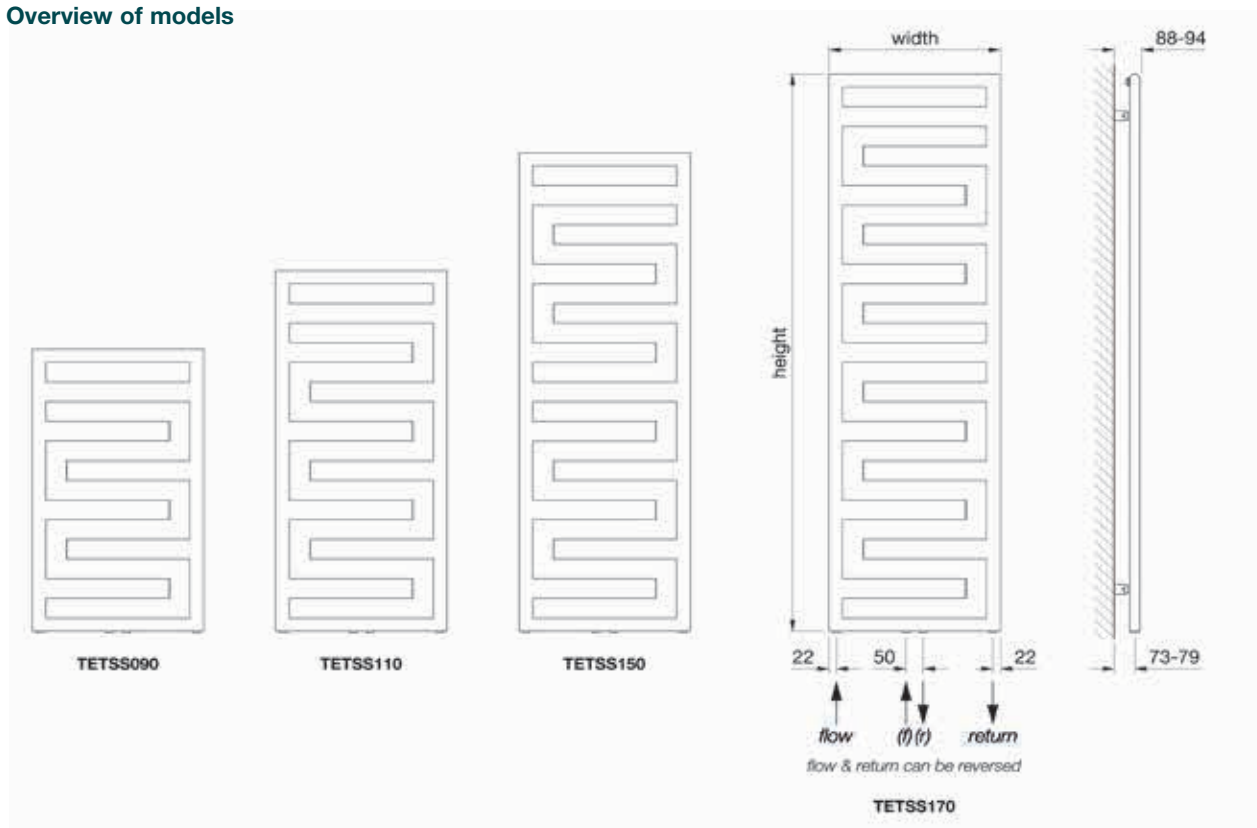
- Adjustable surface temperature
- Temperature controls for each room
- Timer function
- Daily and weekly programming via the app
- Integrated energy efficiency in line with ecodesign requirements
- Ready-to-plug





## Zehnder Tetris

### Overview of models



### Connection to hot water central heating system

| Model           | H    | L   | EN 442 <sup>②</sup><br>W | Thermal output |               |               | Exp.<br>n | V<br>dm <sup>3</sup> | M<br>kg | Price<br>RAL 9016<br>€ | Price <sup>①</sup><br>Cat. 1<br>€ |
|-----------------|------|-----|--------------------------|----------------|---------------|---------------|-----------|----------------------|---------|------------------------|-----------------------------------|
|                 | mm   | mm  |                          | 70/55/24<br>W  | 55/45/24<br>W | 55/45/20<br>W |           |                      |         |                        |                                   |
| Painted version |      |     |                          |                |               |               |           |                      |         |                        |                                   |
| TETSS090050WZZZ | 860  | 500 | 388                      | 277            | 169           | 203           | 1.25      | 5.7                  | 7.9     | 290,59                 | 363,23                            |
| TETSS090060WZZZ | 860  | 600 | 455                      | 324            | 199           | 238           | 1.25      | 6.6                  | 7.5     | 303,30                 | 379,12                            |
| TETSS110050WZZZ | 1100 | 500 | 493                      | 350            | 214           | 257           | 1.26      | 6.8                  | 10.3    | 333,51                 | 416,89                            |
| TETSS110060WZZZ | 1100 | 600 | 579                      | 413            | 253           | 303           | 1.25      | 8.1                  | 12.2    | 349,84                 | 437,30                            |
| TETSS150050WZZZ | 1460 | 500 | 655                      | 466            | 284           | 342           | 1.26      | 8.9                  | 13.4    | 400,32                 | 500,40                            |
| TETSS150060WZZZ | 1460 | 600 | 768                      | 544            | 331           | 398           | 1.27      | 10.6                 | 15.9    | 422,02                 | 527,53                            |
| TETSS170050WZZZ | 1700 | 500 | 765                      | 544            | 332           | 399           | 1.26      | 10.4                 | 15.5    | 459,04                 | 573,80                            |
| TETSS170060WZZZ | 1700 | 600 | 898                      | 637            | 387           | 466           | 1.27      | 12.3                 | 18.4    | 484,41                 | 605,52                            |

| Special solution on request (surcharge)              | Article no. | Price € |
|------------------------------------------------------|-------------|---------|
| ▪ Special finish to category 2 (surcharge on cat. 1) | -           | 146,76  |

### Standard scope of delivery for operation on central heating system

- Powder coating to DIN 55900, RAL 9016
- 4 x ½" connections for flow, return, centre 50 mm
- 1 x ½" connection at top middle
- Mounting accessories in colour of radiator
- Packaging

① For special colours in categories 1 and 2, see "Special solutions" and "Colour chart"

② Thermal output to EN 442, ΔT 50 K (75/65/20°C)



# Zehnder Tetris

## Electric-only operation with new electric platform



| Model           | H    | L   | Classification<br>Electric heating<br>element<br>Watt | Price RAL 9016<br>€                                                                                          |                            | Price Cat. 1 <sup>①</sup><br>€                                                                                 |                            |
|-----------------|------|-----|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------------------------------------------------------------------------------------------|----------------------------|
|                 | mm   | mm  |                                                       | Heating element<br>IHC (C)  | Heating element<br>IHE (A) | Heating element<br>IHC (C)  | Heating element<br>IHE (A) |
| Painted version |      |     |                                                       |                                                                                                              |                            |                                                                                                                |                            |
| TETSS090050E_ZD | 860  | 500 | 400                                                   | 550,37                                                                                                       | 347,82                     | 687,97                                                                                                         | 434,77                     |
| TETSS090060E_ZD | 860  | 600 | 400                                                   | 562,45                                                                                                       | 359,89                     | 703,06                                                                                                         | 449,87                     |
| TETSS110050E_ZD | 1100 | 500 | 400                                                   | 588,30                                                                                                       | 385,74                     | 735,37                                                                                                         | 482,18                     |
| TETSS110060E_ZD | 1100 | 600 | 600                                                   | 611,01                                                                                                       | 404,95                     | 763,76                                                                                                         | 506,18                     |
| TETSS150050E_ZD | 1460 | 500 | 600                                                   | 657,98                                                                                                       | 451,91                     | 822,47                                                                                                         | 564,89                     |
| TETSS150060E_ZD | 1460 | 600 | 600                                                   | 678,46                                                                                                       | 472,39                     | 848,07                                                                                                         | 590,49                     |
| TETSS170050E_ZD | 1700 | 500 | 600                                                   | 711,70                                                                                                       | 505,64                     | 889,63                                                                                                         | 632,05                     |
| TETSS170060E_ZD | 1700 | 600 | 900                                                   | 761,86                                                                                                       | 544,79                     | 952,33                                                                                                         | 680,98                     |

| Special solution on request (surcharge)              | Article no. | Price €       |
|------------------------------------------------------|-------------|---------------|
| ▪ Special finish to category 2 (surcharge on cat. 1) | -           | <b>146,76</b> |

### Standard scope of delivery for electric operation

- Powder coating to DIN 55900, RAL 9016
- Filled with heat transfer fluid
- With integrated electric heating element IHE or IHC, bottom right
- Electric heating element cover in colour white, black or grey (depending on radiator colour)
- Mounting accessories in colour of radiator
- Packaging

① For special colours in categories 1 and 2, see “Special solutions” and “Colour chart”



# Zehnder Pera

Less is definitely more with this chic stainless steel towel rail as the refined construction allows the tubes to meld gently into one another. The Zehnder Pera brings a quiet elegance to both modern and traditional bathrooms.



Radiator surface: Brushed Bronze

# Zehnder Pera



Radiator surface: *Brushed Black Chrome*



Radiator surface: *Brushed Bronze*

## Operation on central heating system

Design radiator Zehnder Pera, made of horizontally arranged stainless steel tubes and vertical collector pipes. Tube connections are soldered with no visible seams. Large horizontal spacing between tubes allows for easy hanging and removal of towels.

Horizontal round tubes Ø 32 mm, vertical collector pipes Ø 38 mm. Heat output according to EN 442, with CE marking. ½" connections at the bottom left and right of the collector pipes for flow and return. ¼" vent at the top center, facing the rear.

Radiator is made of hand-polished stainless steel as standard. Optional PVD coating available in Brushed Black Chrome, or Brushed Bronze. Delivered ready for installation with elegant wall brackets and a vent valve, including packaging.

|                       |              |
|-----------------------|--------------|
| Operating pressure    | max. 4,0 bar |
| Operating temperature | max. 90 °C   |
| Height                | ..... mm     |
| Length                | ..... mm     |
| Model                 | .....        |

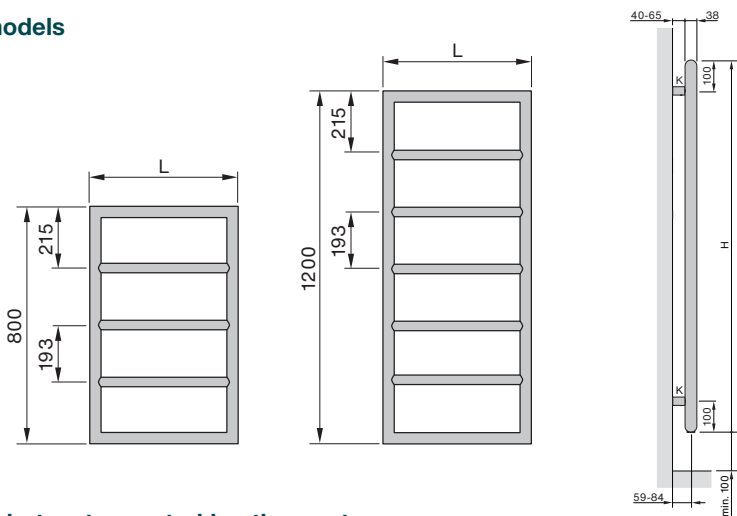
## Advantages

- Modern and timeless design
- Generous spacing between tubes for convenient hanging of multiple towels
- Ergonomic shape allows for easy and quick cleaning
- Durable hand-polished stainless steel surface
- Available with PVD coating in Brushed Black Chrome, or Brushed Bronze



# Zehnder Pera

## Overview of models



## Connection to hot water central heating system

| Model                        | H    | L   | Thermal output           |               |               | Exp. | Classification | V   | M   | Price    |
|------------------------------|------|-----|--------------------------|---------------|---------------|------|----------------|-----|-----|----------|
|                              | mm   | mm  | EN 442 <sup>Ⓒ</sup><br>W | 55/45/24<br>W | 50/40/22<br>W |      |                |     |     |          |
| Stainless steel version      |      |     |                          |               |               |      |                |     |     |          |
| PER-120-50-9516              | 1200 | 500 | 269                      | 119           | 102           | 1.23 | -              | 4.5 | 5.6 | 1.259,37 |
| Brushed Black Chrome version |      |     |                          |               |               |      |                |     |     |          |
| PER-080-50-N211              | 800  | 500 | 187                      | 81            | 69            | 1.27 | -              | 3.1 | 4.3 | 1.214,59 |
| Brushed Bronze version       |      |     |                          |               |               |      |                |     |     |          |
| PER-120-50-N213              | 1200 | 500 | 269                      | 119           | 102           | 1.23 | -              | 4.5 | 5.6 | 1.390,19 |

| Special solution on request (surcharge)                 | Article no. | Price €              |
|---------------------------------------------------------|-------------|----------------------|
| ▪ Zehnder thermostat                                    | -           | see page 158         |
| ▪ Zehnder valves, return screw connections and fittings | -           | see page 159 onwards |

## Standard scope of delivery for operation on central heating system

- Hand-polished stainless steel, optionally with PVD coating
- 2 x 1/2" connections for flow and return, 1 x 1/4" vent
- 1/4" vent valve
- Mounting accessories
- Packaging



Brushed Black  
Chrome  
(code N211)



Brushed Bronze  
(code N213)

② Thermal output to EN 442, ΔT 50 K (75/65/20 °C)

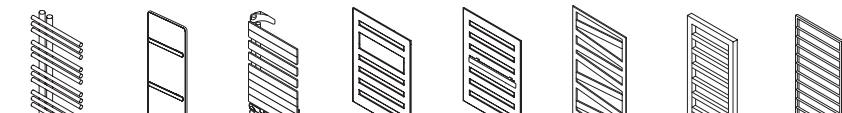
## Notes

**always the best climate**



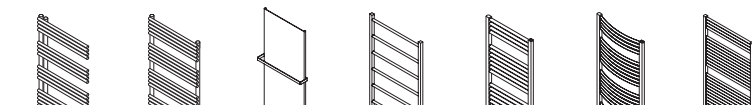
## Premium Collection

from page 54



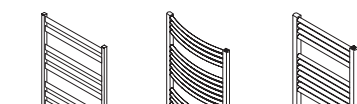
## Quality Collection

from page 94



## Bathroom Essentials

from page 119



## Accessories and general information

from page 136



## Zehnder Yucca Asym



Radiator surface: Chrome

### Operation on hot water central heating system

Zehnder Yucca Asym decorative radiator made from horizontally arranged precision steel tubes and vertical header tubes, without visible welds and fully welded due to capstan welding technology. Sets of 3 horizontal tubes each branch asymmetrically from the laterally arranged manifolds. Towels can be slid in from the side to warm or dry. Single or double-layer version. Header tubes Ø 30 mm, horizontal tubes Ø 20 mm.

Thermal outputs to EN 442, with CE marking.  
4 x ½" connection at the ends of the header tubes for flow, return, electric heating element and venting. Connection size 50 mm for using a connection fitting in single or twin-tube operation. Radiator with powder coating, in colour RAL 9016 as standard, in special colour or chrome on request. Delivered ready to install with matching wall brackets in colour of radiator.

|                       |               |
|-----------------------|---------------|
| Operating pressure    | max. 12,0 bar |
| Operating temperature | max. 110°C    |
| Height                | ..... mm      |
| Length                | ..... mm      |
| Model                 | .....         |

### Benefits

- Small depth
- Easy to clean (lambswool cleaning brush)
- Ideal for hanging up towels
- Can be used as a room divider
- Transparent look
- Connection from top possible
- Dual energy operation with connection fitting possible
- Right-hand or left-hand installation possible



Dual energy operation with Wivar II heating element



Radiator surface: Chrome, Traffic White

### Electric operation

Zehnder Yucca Asym decorative radiator, electric-only, made from horizontally arranged precision steel tubes and vertical header tubes, sets of 3 horizontal tubes each branch asymmetrically from the laterally arranged manifolds. Electric version filled with heat transfer fluid, for connection to 230 V mains supply. With 1,2 m connection cable. Radiator with powder coating, in colour RAL 9016 as standard, in special colour or chrome on request. Delivered ready to install with matching wall brackets in colour of radiator.

### Electric operation with heating element IHC

Heating element IHC with integrated control function and modular control concept. Basic functions can be set directly on the heating element. For an even more comfortable and easy control, remote control EASY (RCE, available as accessory) or the Zehnder Connect app can be used. Control unit colour in either white, grey or black, depending on radiator colour, built-in on outer collector tube. Connection cable an plug in radiator colour, protection class IP54.

### Electric operation with heating element IHE

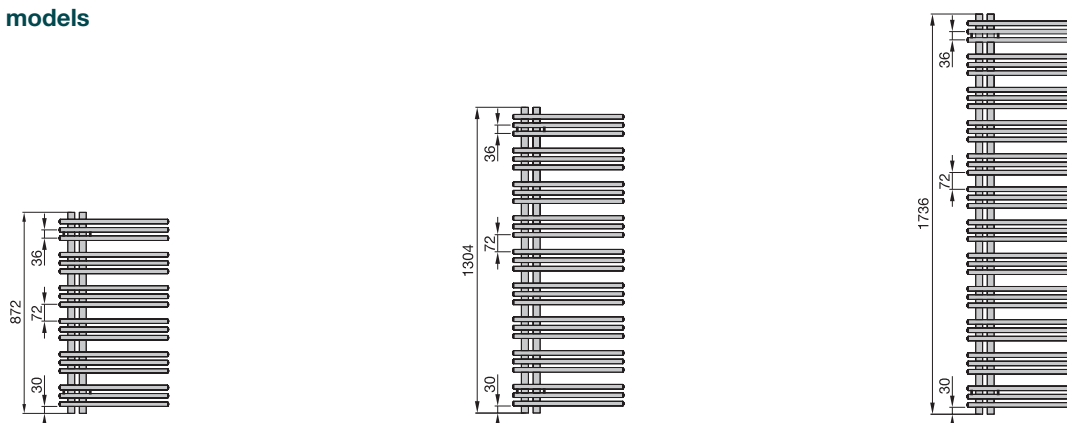
Heating element IHE (without control function) for application in combination with on-site control (e. g. BMS systems). Control unit colour either white or chrome, depending on radiator colour, built-in on outer collector tube. Connection cable with Schuko plug in white or grey, protection class IP65.

### Electric operation with heating element RACY-C

Heating element RACY-C, degree of protection IP44 (splash-proof), with Euro plug, installation at bottom left., cover in radiator colour. Separate, battery-operated remote control device model 2 for controlling the room temperature.

# Zehnder Yucca Asym

## Overview of models



## Connection to hot water central heating system or for dual energy operation

| Model | H<br>mm | L<br>mm | Thermal output           |               |               |               | Exp.<br>n | Classification<br>Electric heating<br>element<br>Watt | V<br>dm <sup>3</sup> | M<br>kg | Price<br>RAL 9016<br>€ | Price <sup>①</sup><br>Cat. 1<br>€ |
|-------|---------|---------|--------------------------|---------------|---------------|---------------|-----------|-------------------------------------------------------|----------------------|---------|------------------------|-----------------------------------|
|       |         |         | EN 442 <sup>③</sup><br>W | 70/55/24<br>W | 55/45/24<br>W | 55/45/20<br>W |           |                                                       |                      |         |                        |                                   |

### Single-layer version, painted version

|            |      |     |     |     |     |     |      |     |     |      |        |        |
|------------|------|-----|-----|-----|-----|-----|------|-----|-----|------|--------|--------|
| YA-130-040 | 1304 | 378 | 430 | 305 | 185 | 223 | 1,27 | 300 | 3,6 | 11,1 | 509,20 | 636,50 |
| YA-170-040 | 1736 | 378 | 571 | 405 | 246 | 296 | 1,27 | 300 | 4,8 | 14,8 | 619,35 | 759,30 |
| YA-090-050 | 872  | 478 | 351 | 250 | 152 | 183 | 1,26 | 300 | 2,8 | 9,2  | 462,49 | 578,11 |
| YA-130-050 | 1304 | 478 | 517 | 367 | 223 | 268 | 1,27 | 300 | 4,2 | 13,3 | 582,55 | 714,95 |
| YA-170-050 | 1736 | 478 | 686 | 486 | 296 | 356 | 1,27 | 600 | 5,6 | 17,9 | 693,76 | 867,20 |
| YA-130-060 | 1304 | 578 | 599 | 425 | 258 | 311 | 1,27 | 600 | 4,7 | 15,8 | 638,03 | 783,79 |
| YA-170-060 | 1736 | 578 | 795 | 564 | 342 | 412 | 1,27 | 600 | 6,3 | 21,1 | 784,88 | 981,10 |

### Double-layer version, painted version

|             |      |     |      |     |     |     |      |     |      |      |          |          |
|-------------|------|-----|------|-----|-----|-----|------|-----|------|------|----------|----------|
| YAD-130-040 | 1304 | 378 | 628  | 443 | 267 | 322 | 1,29 | 600 | 5,7  | 19,4 | 744,24   | 930,30   |
| YAD-170-040 | 1736 | 378 | 825  | 580 | 348 | 421 | 1,30 | 600 | 7,7  | 25,9 | 900,80   | 1.126,01 |
| YAD-090-050 | 872  | 478 | 529  | 374 | 226 | 273 | 1,28 | 300 | 4,6  | 16,0 | 637,36   | 796,70   |
| YAD-130-050 | 1304 | 478 | 763  | 538 | 324 | 392 | 1,29 | 600 | 6,9  | 23,9 | 854,12   | 1.067,65 |
| YAD-170-050 | 1736 | 478 | 1002 | 705 | 423 | 512 | 1,30 | 900 | 9,1  | 32,0 | 1.046,57 | 1.308,21 |
| YAD-130-060 | 1304 | 578 | 893  | 630 | 380 | 458 | 1,29 | 600 | 8,0  | 28,7 | 956,22   | 1.195,28 |
| YAD-170-060 | 1736 | 578 | 1173 | 825 | 495 | 599 | 1,30 | 900 | 10,6 | 38,9 | 1.218,91 | 1.523,63 |

| Model | H<br>mm | L<br>mm | Thermal output           |               |               |               | Exp.<br>n | Classification<br>Electric heating<br>element<br>Watt | V<br>dm <sup>3</sup> | M<br>kg | Price<br>Chrome<br>€ |
|-------|---------|---------|--------------------------|---------------|---------------|---------------|-----------|-------------------------------------------------------|----------------------|---------|----------------------|
|       |         |         | EN 442 <sup>③</sup><br>W | 70/55/24<br>W | 55/45/24<br>W | 55/45/20<br>W |           |                                                       |                      |         |                      |

### Single-layer version, chrome-plated version

|             |      |     |     |     |     |     |      |     |     |      |          |
|-------------|------|-----|-----|-----|-----|-----|------|-----|-----|------|----------|
| YAC-130-040 | 1304 | 378 | 308 | 217 | 130 | 157 | 1,30 | 300 | 3,6 | 11,1 | 1.230,79 |
| YAC-170-040 | 1736 | 378 | 408 | 286 | 171 | 207 | 1,31 | 300 | 4,8 | 14,8 | 1.579,97 |
| YAC-090-050 | 872  | 478 | 254 | 179 | 108 | 130 | 1,29 | 300 | 2,8 | 9,2  | 1.008,74 |
| YAC-130-050 | 1304 | 478 | 371 | 261 | 157 | 189 | 1,30 | 300 | 4,2 | 13,3 | 1.423,56 |
| YAC-170-050 | 1736 | 478 | 492 | 345 | 206 | 250 | 1,31 | 300 | 5,6 | 17,9 | 1.842,29 |
| YAC-130-060 | 1304 | 578 | 432 | 304 | 182 | 221 | 1,30 | 300 | 4,7 | 15,8 | 1.622,07 |
| YAC-170-060 | 1736 | 578 | 572 | 401 | 240 | 291 | 1,31 | 600 | 6,3 | 21,1 | 2.113,06 |

① For special colours in categories 1 and 2, see "Special solutions" and "Colour chart"

③ Thermal output to EN 442, ΔT 50 K (75/65/20°C)

## Zehnder Yucca Asym



### Electric-only operation with new electric platform

| Model | H <sup>③</sup><br>mm | L<br>mm | Classification<br>Electric heating<br>element<br>Watt | Price RAL 9016<br>€                                                                                          |                            | Price Cat. 1 <sup>①</sup><br>€                                                                                |                            |
|-------|----------------------|---------|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------|
|       |                      |         |                                                       | Heating element<br>IHC (C)  | Heating element<br>IHE (A) | Heating element<br>IHC (C)  | Heating element<br>IHE (A) |

#### Single-layer version, right-hand, painted version

|                 |      |     |     |          |          |          |          |
|-----------------|------|-----|-----|----------|----------|----------|----------|
| YAZSR130040E_ZD | 1304 | 378 | 400 | 1.128,29 | 751,82   | 1.410,36 | 939,77   |
| YAZSR090050E_ZD | 872  | 478 | 300 | 1.056,31 | 662,92   | 1.320,38 | 828,65   |
| YAZSR130050E_ZD | 1304 | 478 | 400 | 1.184,03 | 804,79   | 1.480,04 | 1.005,98 |
| YAZSR130060E_ZD | 1304 | 578 | 600 | 1.248,61 | 889,17   | 1.560,76 | 1.111,46 |
| YAZSR170060E_ZD | 1736 | 578 | 900 | 1.472,78 | 1.069,76 | 1.840,98 | 1.337,20 |

#### Single-layer version, left-hand, painted version

|                 |      |     |     |          |          |          |          |
|-----------------|------|-----|-----|----------|----------|----------|----------|
| YAZSL130040E_ZD | 1304 | 378 | 400 | 1.128,29 | 751,82   | 1.410,36 | 939,77   |
| YAZSL090050E_ZD | 872  | 478 | 300 | 1.056,31 | 662,92   | 1.320,38 | 828,65   |
| YAZSL130050E_ZD | 1304 | 478 | 400 | 1.184,03 | 804,79   | 1.480,04 | 1.005,98 |
| YAZSL130060E_ZD | 1304 | 578 | 600 | 1.286,44 | 889,17   | 1.608,06 | 1.111,46 |
| YAZSL170060E_ZD | 1736 | 578 | 900 | 1.472,78 | 1.066,14 | 1.840,98 | 1.332,68 |

| Model | H <sup>③</sup><br>mm | L<br>mm | Classification<br>Electric heating<br>element<br>Watt | Price Chrome<br>€                                                                                             |                            |
|-------|----------------------|---------|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------|
|       |                      |         |                                                       | Heating element<br>IHC (C)  | Heating element<br>IHE (A) |

#### Single-layer version, right-hand, chrome-plated version

|                 |      |     |     |          |          |
|-----------------|------|-----|-----|----------|----------|
| YAZCR130040E_ZD | 1304 | 378 | 400 | 1.860,61 | 1.322,13 |
| YAZCR090050E_ZD | 872  | 478 | 300 | 1.567,30 | 1.099,06 |
| YAZCR130050E_ZD | 1304 | 478 | 400 | 2.111,06 | 1.540,68 |
| YAZCR130060E_ZD | 1304 | 578 | 600 | 2.377,86 | 1.744,99 |
| YAZCR170060E_ZD | 1736 | 578 | 900 | 2.986,60 | 2.247,20 |

#### Single-layer version, left-hand, chrome-plated version

|                 |      |     |     |          |          |
|-----------------|------|-----|-----|----------|----------|
| YAZCL130040E_ZD | 1304 | 378 | 400 | 1.860,61 | 1.322,13 |
| YAZCL090050E_ZD | 872  | 478 | 300 | 1.567,30 | 1.099,06 |
| YAZCL130050E_ZD | 1304 | 478 | 400 | 2.111,06 | 1.540,68 |
| YAZCL130060E_ZD | 1304 | 578 | 600 | 2.377,86 | 1.744,99 |
| YAZCL170060E_ZD | 1736 | 578 | 900 | 2.986,60 | 2.273,95 |

① For special colours in categories 1 and 2, see “Special solutions” and “Colour chart”

③ Total height w/o heating element. For IHC +128 mm, for IHE +50 mm.

For legend, see “Electric operation and Ecodesign Directive” on page 166 

## Zehnder Yucca Asym



### Electric-only operation

| Model | H <sup>③</sup><br>mm | L<br>mm | Classification<br>Electric heating<br>element<br>Watt | Price<br>RAL 9016<br>€ | Price <sup>①</sup><br>Cat. 1<br>€ |
|-------|----------------------|---------|-------------------------------------------------------|------------------------|-----------------------------------|
|-------|----------------------|---------|-------------------------------------------------------|------------------------|-----------------------------------|

#### Single-layer version, right-hand, painted version

|                |      |     |     |          |          |
|----------------|------|-----|-----|----------|----------|
| YAER-130-40/GD | 1329 | 378 | 500 | 1.218,47 | 1.523,09 |
| YAER-090-50/GD | 897  | 478 | 300 | 1.142,93 | 1.428,67 |
| YAER-130-50/GD | 1329 | 478 | 500 | 1.259,50 | 1.574,37 |
| YAER-130-60/GD | 1329 | 578 | 500 | 1.328,82 | 1.661,02 |
| YAER-170-60/GD | 1761 | 578 | 750 | 1.521,88 | 1.902,35 |

#### Single-layer version, left-hand, painted version

|                |      |     |     |          |          |
|----------------|------|-----|-----|----------|----------|
| YAEL-130-40/GD | 1329 | 378 | 500 | 1.236,93 | 1.546,17 |
| YAEL-090-50/GD | 897  | 478 | 300 | 1.142,93 | 1.428,67 |
| YAEL-130-50/GD | 1329 | 478 | 500 | 1.259,50 | 1.574,37 |
| YAEL-130-60/GD | 1329 | 578 | 500 | 1.328,82 | 1.661,02 |
| YAEL-170-60/GD | 1761 | 578 | 750 | 1.521,88 | 1.902,35 |

| Model | H <sup>③</sup><br>mm | L<br>mm | Classification<br>Electric heating<br>element<br>Watt | Price<br>Chrome<br>€ |
|-------|----------------------|---------|-------------------------------------------------------|----------------------|
|-------|----------------------|---------|-------------------------------------------------------|----------------------|

#### Single-layer version, right-hand, chrome-plated version

|                 |      |     |     |          |
|-----------------|------|-----|-----|----------|
| YAECR-130-40/GD | 1329 | 378 | 300 | 1.561,90 |
| YAECR-090-50/GD | 897  | 478 | 300 | 1.321,75 |
| YAECR-130-50/GD | 1329 | 478 | 300 | 1.753,64 |
| YAECR-130-60/GD | 1329 | 578 | 300 | 1.986,16 |
| YAECR-170-60/GD | 1761 | 578 | 500 | 2.483,31 |

#### Single-layer version, left-hand, chrome-plated version

|                 |      |     |     |          |
|-----------------|------|-----|-----|----------|
| YAECL-130-40/GD | 1329 | 378 | 300 | 1.561,90 |
| YAECL-090-50/GD | 897  | 478 | 300 | 1.321,75 |
| YAECL-130-50/GD | 1329 | 478 | 300 | 1.753,64 |
| YAECL-130-60/GD | 1329 | 578 | 300 | 1.986,16 |
| YAECL-170-60/GD | 1761 | 578 | 500 | 2.483,31 |

① For special colours in categories 1 and 2, see "Special solutions" and "Colour chart"

③ Total height incl. heating element

For legend, see "Electric operation and Ecodesign Directive" on page 166

# Zehnder Yucca Asym

## Standard scope of delivery for operation on hot water central heating system

- Powder coating to DIN 55900, RAL 9016
- 4 x ½" connections for flow, return, venting
- 2 x ½" directional air vent
- Mounting accessories in colour of radiator
- Packaging

## Standard scope of delivery for electric operation

- Powder coating to DIN 55900, RAL 9016
- Filled with non-flammable heat-transfer fluid (frost-proof to -10°C)
- Mounting accessories in colour of radiator
- Packaging
- Version with heating element IHC: With built-in immersion heater in outer manifold and control unit with LED matrix display, control unit white, black or grey (depending on radiator colour), cable and plug in colour of control unit
- Version with heating element IHE: With built-in immersion heater in outer manifold, without control option, control unit in white (if radiator is white ) or chrome (for all other radiator surfaces).
- Version with integrated heating element RACY-C: with remote control device, incl. battery, with selectable operating modes: manual (above room temperature), weekly programme, timer, off. Electric heating element cover in colour of radiator.

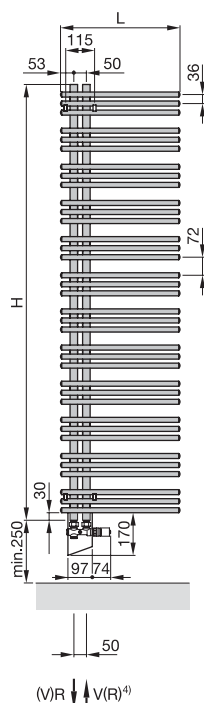
| Special solution on request (surcharge)                                                                                                  | Article number | Price €            |
|------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------|
| ▪ Special finish to category 2 (surcharge on cat. 1)                                                                                     | 6500011640     | 146,76             |
| ▪ Galvanized and painted                                                                                                                 | -              | On request         |
| ▪ Remote control EASY for IHC (RCE)*                                                                                                     | 887970         | 133,38             |
| ▪ Heating element WIVAR II for dual energy operation  | -              | See page 157       |
| ▪ Accessories                                                                                                                            | -              | See page 145       |
| ▪ Lambswool cleaning brush                                                                                                               | 601040         | 60,41              |
| ▪ Connection fitting with short cover (operation on central heating system only), cover in white                                         | 976021         | 172,59             |
| ▪ Connection fitting with short cover (operation on central heating system only), cover in special finish                                | 976029         | 184,97             |
| ▪ Connection fitting with short cover (operation on central heating system only), cover in chrome                                        | 976028         | 229,18             |
| ▪ Connection fitting with long cover (for dual energy operation with WIVAR II), cover in white                                           | 976031         | 172,59             |
| ▪ Connection fitting with long cover (for dual energy operation with WIVAR II), cover in special finish, incl. cover parts set           | 976039         | 233,28             |
| ▪ Connection fitting with long cover (for dual energy operation with WIVAR II), cover in chrome, incl. cover parts set                   | 976038         | 289,54             |
| ▪ Zehnder thermostat DH, M 30 x 1,5, white                                                                                               | 819050         | 35,02              |
| ▪ Zehnder thermostat DH, M 30 x 1,5, chrome                                                                                              | 819058         | 53,36              |
| ▪ Zehnder valves and lockshield valves                                                                                                   | -              | See p. 159 onwards |



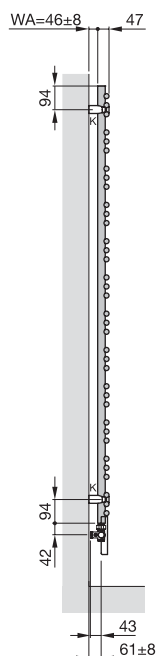
Remote control EASY can be ordered as accessory for heating element IHC.

# Zehnder Yucca Asym

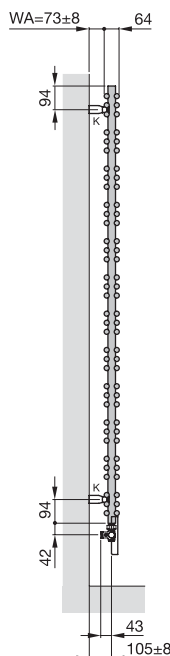
**Operation on hot water central heating system:**  
Right-hand version <sup>1)</sup>



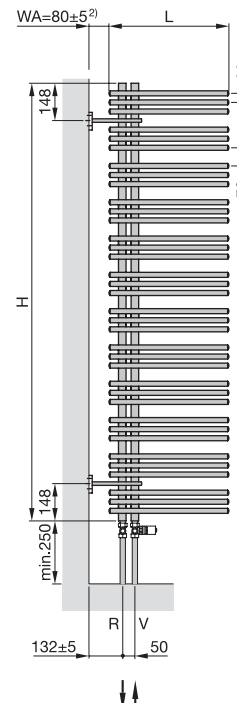
Single-layer



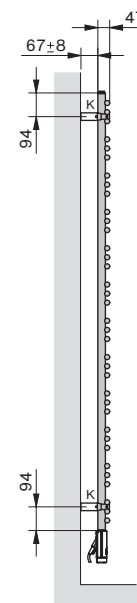
Double-layer



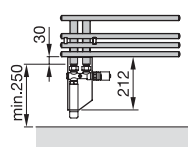
Room divider installation <sup>3)</sup>



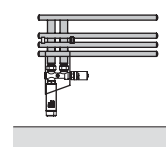
**Electric operation:**  
with heating element IHC <sup>5)</sup>



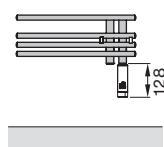
**Dual energy operation:**  
Detailed view  
Right-hand version  
Connection fitting with long cover and integrated electric heating element WIVAR II.



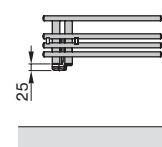
**Dual energy operation:**  
Detailed view  
Right-hand version  
Connection fitting with short cover and electric heating element IHC.



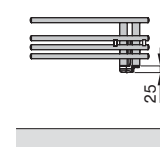
**Electric operation:**  
Detailed view  
Left-hand version  
with integrated heating element IHC.



**Electric operation:**  
Detailed view  
Right-hand version  
with integrated heating element RACY-C.



**Electric operation:**  
Detailed view  
Left-hand version  
with integrated heating element RACY-C.



H = Height  
L = Length  
K = Bracket  
WA = Wall clearance  
V = Flow  
R = Return

Dimensions in mm

- 1) Models for operation on hot water central heating systems can be installed as right-hand version or left-hand version
- 2) Brackets with modified wall clearance on request
- 3) Dual energy operation with room divider installation possible only when T-piece is used (see "Accessories")
- 4) Flow is possible on both sides of the connection fitting
- 5) Wall clearances also apply for heating element RACY-C



## Zehnder Vitalo Bar



Radiator colour: Cream

### Operation on hot water central heating system

Zehnder Vitalo Bar decorative radiator with smooth aluminium front and back plus copper tube heating register in graphite/aluminium construction.

Surrounding, sealed frame of black polyamide. Includes one or two chrome towel rails, depending on the model. Thermal output to EN 442, with CE marking. With two ½" female thread connections for flow and return, positioned at bottom centre, spacing 50 mm.

Completto version with concealed Zehnder EasyFit connection box with flow/return 2 x ¾" external thread at the back, centred 50 mm clearance, including pre-adjustable valve AV 9 and adjustment dial and folding mechanism for installation.

Radiator with powder coating, in colour RAL 9016 as standard, or in special colour or with an anodised aluminium surface on request, delivered ready to install with wall brackets and packaging.

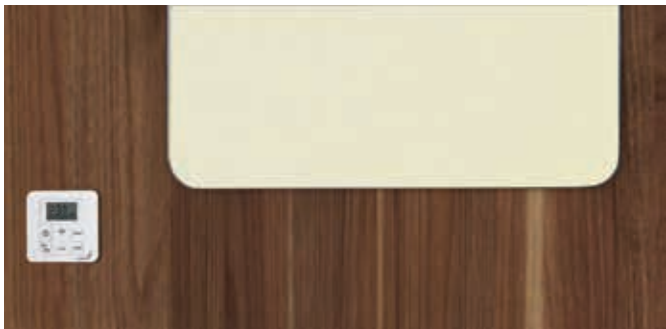
|                                    |             |
|------------------------------------|-------------|
| Operating pressure                 | max. 10 bar |
| Operating pressure Zehnder EasyFit | max. 6 bar  |
| Operating temperature              | max. 80 °C  |
| Height                             | ..... mm    |
| Length                             | ..... mm    |
| Model                              | .....       |

### Benefits

- Innovative technology for efficient heating
- Extremely slim and noticeably light
- High proportion of radiation
- A striking profile for a distinctive look
- Simple accommodation of textiles with towel rail accessible from one side
- Hygienic and simple to clean
- Supports integrated connection due to Zehnder EasyFit



Zehnder EasyFit - with tegrated valve incl. thermostat



### Electric operation

Zehnder Vitalo Bar decorative radiator with smooth aluminium front and back plus heating cable in graphite/aluminium construction. Surrounding, sealed frame of black polyamide. Includes one or two chrome towel rails, depending on the model.

With CE marking. Separate battery-operated remote control device model 2, control box RACY-S and no visible control elements on the radiator. Splash-proof for mains power supply of 230 V. Connection cable (1,2 m) with Schuko plug.

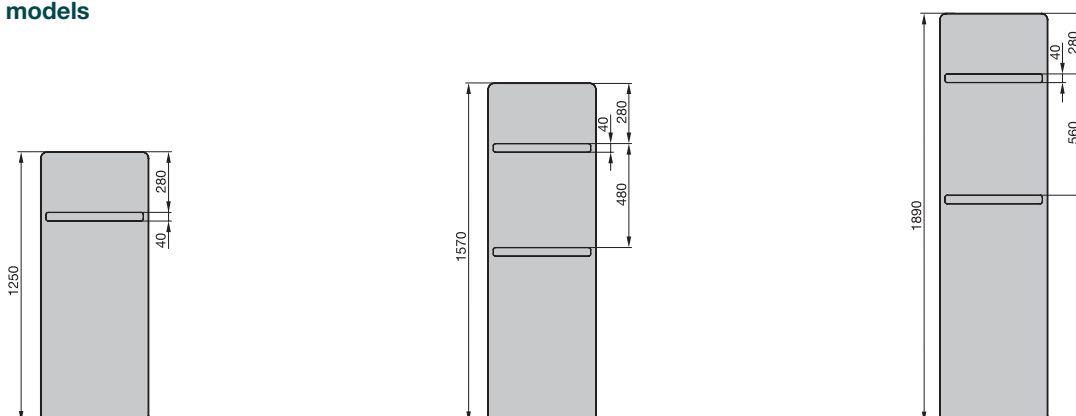
Radiator with powder coating, in colour RAL 9016 as standard, or in special colour or with an anodised aluminium surface on request, Delivered ready to install with wall brackets and packaging.

### Special benefits for electric operation with RACY-S

- Fast thermal radiation
- Remote control device can be positioned as required
- Regulated room temperature
- Comfortable operation as needed by customisable daily and weekly programmes
- Energy-efficient and comfortable heating via innovative open window detection
- Low energy consumption in stand-by mode (≤ 0,5 W)
- Keylock can be activated as required
- Timer function for up to 2 hours
- Ready-to-plug

# Zehnder Vitalo Bar

## Overview of models



## Connection to hot water central heating system, 50 mm centre connections

| Model                                     | H    | L   | Thermal output           |               |               |               | Exp. | Electric output Watt | V   | M    | Price RAL 9016 | Price <sup>①</sup> Cat. 1 |
|-------------------------------------------|------|-----|--------------------------|---------------|---------------|---------------|------|----------------------|-----|------|----------------|---------------------------|
|                                           | mm   | mm  | EN 442 <sup>②</sup><br>W | 70/55/24<br>W | 55/45/24<br>W | 55/45/20<br>W |      |                      |     |      |                |                           |
| Painted version with towel rail in chrome |      |     |                          |               |               |               |      |                      |     |      |                |                           |
| VIP-125-040                               | 1250 | 400 | 465                      | 334           | 207           | 248           | 1,22 | -                    | 0,7 | 7,0  | 1.421,14       | 1.776,43                  |
| VIP-160-040                               | 1570 | 400 | 546                      | 394           | 246           | 294           | 1,20 | -                    | 0,7 | 9,3  | 1.676,40       | 2.095,50                  |
| VIP-190-040                               | 1890 | 400 | 673                      | 485           | 302           | 360           | 1,21 | -                    | 0,9 | 10,9 | 1.876,49       | 2.345,61                  |
| VIP-125-050                               | 1250 | 500 | 555                      | 399           | 247           | 295           | 1,22 | -                    | 0,8 | 8,7  | 1.449,52       | 1.811,91                  |
| VIP-160-050                               | 1570 | 500 | 676                      | 487           | 303           | 362           | 1,21 | -                    | 0,9 | 11,4 | 1.711,07       | 2.138,84                  |
| VIP-190-050                               | 1890 | 500 | 834                      | 601           | 374           | 446           | 1,21 | -                    | 1,1 | 12,7 | 1.914,30       | 2.392,88                  |
| VIP-125-060                               | 1250 | 600 | 641                      | 462           | 287           | 343           | 1,21 | -                    | 0,9 | 10,5 | 1.495,23       | 1.869,03                  |
| VIP-160-060                               | 1570 | 600 | 806                      | 577           | 359           | 429           | 1,21 | -                    | 1,0 | 13,6 | 1.766,20       | 2.207,76                  |
| VIP-190-060                               | 1890 | 600 | 994                      | 716           | 446           | 532           | 1,21 | -                    | 1,3 | 14,6 | 1.974,19       | 2.467,73                  |

## Connection to hot water central heating system, Zehnder EasyFit connection box

| Model                                     | H    | L   | Thermal output           |               |               |               | Exp. | Electric output Watt | V   | M    | Price RAL 9016 | Price <sup>①</sup> Cat. 1 |
|-------------------------------------------|------|-----|--------------------------|---------------|---------------|---------------|------|----------------------|-----|------|----------------|---------------------------|
|                                           | mm   | mm  | EN 442 <sup>③</sup><br>W | 70/55/24<br>W | 55/45/24<br>W | 55/45/20<br>W |      |                      |     |      |                |                           |
| Painted version with towel rail in chrome |      |     |                          |               |               |               |      |                      |     |      |                |                           |
| VIPK-125-040                              | 1275 | 400 | 465                      | 334           | 207           | 248           | 1,22 | -                    | 0,7 | 9,5  | 1.783,53       | 2.229,41                  |
| VIPK-160-040                              | 1595 | 400 | 546                      | 394           | 246           | 294           | 1,20 | -                    | 0,7 | 11,8 | 2.038,78       | 2.548,48                  |
| VIPK-190-040                              | 1915 | 400 | 673                      | 485           | 302           | 360           | 1,21 | -                    | 0,9 | 13,4 | 2.238,86       | 2.798,58                  |
| VIPK-125-050                              | 1275 | 500 | 555                      | 399           | 247           | 295           | 1,22 | -                    | 0,8 | 11,2 | 1.811,90       | 2.264,87                  |
| VIPK-160-050                              | 1595 | 500 | 676                      | 487           | 303           | 362           | 1,21 | -                    | 0,9 | 13,9 | 2.073,46       | 2.591,82                  |
| VIPK-190-050                              | 1915 | 500 | 834                      | 601           | 374           | 446           | 1,21 | -                    | 1,1 | 15,2 | 2.276,70       | 2.845,87                  |
| VIPK-125-060                              | 1275 | 600 | 641                      | 462           | 287           | 343           | 1,21 | -                    | 0,9 | 13,0 | 1.857,60       | 2.321,99                  |
| VIPK-160-060                              | 1595 | 600 | 806                      | 581           | 361           | 431           | 1,21 | -                    | 1,0 | 16,1 | 2.128,58       | 2.660,72                  |
| VIPK-190-060                              | 1915 | 600 | 994                      | 716           | 446           | 532           | 1,21 | -                    | 1,3 | 17,1 | 2.336,57       | 2.920,71                  |

① For special colours in categories 1 and 2, see "Special solutions" and "Colour chart"

② Thermal output to EN 442, ΔT 50 K (75/65/20°C)

③ Total height incl. Zehnder EasyFit connection box

## Zehnder Vitalo Bar



### Electric-only operation

| Model | H <sup>③</sup><br>mm | L<br>mm | Electric<br>output<br>Watt | Price<br>RAL 9016<br>€ | Price <sup>①</sup><br>Cat. 1<br>€ |
|-------|----------------------|---------|----------------------------|------------------------|-----------------------------------|
|-------|----------------------|---------|----------------------------|------------------------|-----------------------------------|

| Painted version with towel rail in chrome |      |     |      |          |          |
|-------------------------------------------|------|-----|------|----------|----------|
| VIPE-125-040/GD                           | 1250 | 400 | 350  | 1.833,95 | 2.109,04 |
| VIPE-160-040/GD                           | 1570 | 400 | 500  | 2.164,82 | 2.489,54 |
| VIPE-190-040/GD                           | 1890 | 400 | 500  | 2.421,64 | 2.784,89 |
| VIPE-160-050/GD                           | 1570 | 500 | 500  | 2.208,92 | 2.540,27 |
| VIPE-190-050/GD                           | 1890 | 500 | 750  | 2.472,06 | 2.842,87 |
| VIPE-190-060/GD                           | 1890 | 600 | 1000 | 2.547,70 | 2.929,85 |

| Model | H <sup>③</sup><br>mm | L<br>mm | Electric<br>output<br>Watt | Price<br>Alu. anod.<br>€ |
|-------|----------------------|---------|----------------------------|--------------------------|
|-------|----------------------|---------|----------------------------|--------------------------|

| Anodised aluminium version, with towel rail in chrome |      |     |     |          |
|-------------------------------------------------------|------|-----|-----|----------|
| VIPES-160-40/GD                                       | 1570 | 400 | 350 | 2.489,54 |
| VIPES-190-40/GD                                       | 1890 | 400 | 500 | 2.784,89 |
| VIPES-190-50/GD                                       | 1890 | 500 | 500 | 2.842,87 |
| VIPES-190-60/GD                                       | 1890 | 600 | 750 | 2.929,85 |

### Standard scope of delivery for operation on hot water central heating system

- Powder coating to DIN 55900, RAL 9016
- 2 x ½" connections for flow/return, central, 50 mm
- 2 x double nipple ¾" external thread x ½" external thread for joining to fitting
- EasyFit: Connection box in colour of radiator; connection fitting 2 x ¾" Eurocone to back with 50 mm incl. shut-off for dual-pipe system, thermostat valve with remote control and adjustment dial beneath the radiator; flexible connection
- ½" decorative chrome directional air vent
- Towel rail in chrome (1 x for 1250 mm height, 2 x for 1570 mm and 1890 mm height), fixing point on right
- Mounting accessories in colour of radiator
- Packaging

### Standard scope of delivery for electric operation

- Powder coating to DIN 55900, RAL 9016
- Remote control device, incl. batteries, with selectable operating modes: manual (above room temperature), weekly programme, timer, off
- Towel rail in chrome (1 x for 1250 mm height, 2 x for 1570 mm and 1890 mm height)
- Mounting accessories in colour of radiator
- Packaging

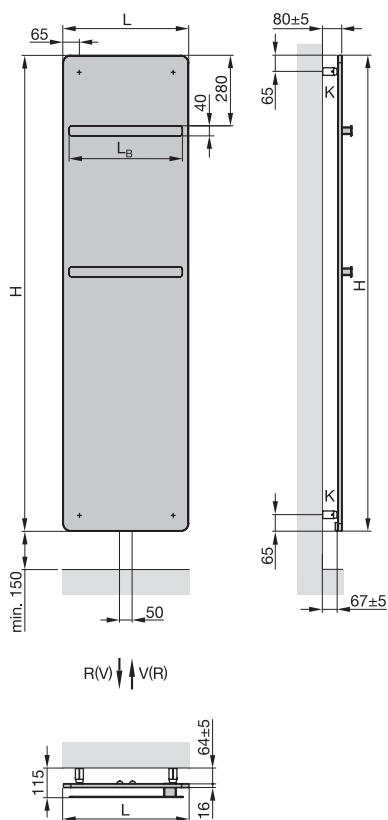
| Special solution on request (surcharge)                                          | Article number | Price €            |
|----------------------------------------------------------------------------------|----------------|--------------------|
| ▪ Special finish to category 2 (surcharge on cat. 1)                             | A700011640     | 146,76             |
| ▪ Highly-polished metal surfaces: anodised aluminium                             | -              | As in Cat. 1       |
| ▪ Surface in metal look: stainless steel look                                    | -              | As in Cat. 1       |
| ▪ Integrated valve incl. thermostat; note Zehnder EasyFit table                  | -              | See table          |
| ▪ Radiator with towel rail, fixing point on left (surcharge on standard version) | -              | 97,20              |
| ▪ Zehnder valves, lockshield valves and connection fittings                      | -              | See p. 159 onwards |

① For special colours in categories 1 and 2, see "Special solutions" and "Colour chart"  
For legend, see "Electric operation and Ecodesign Directive" on page 166

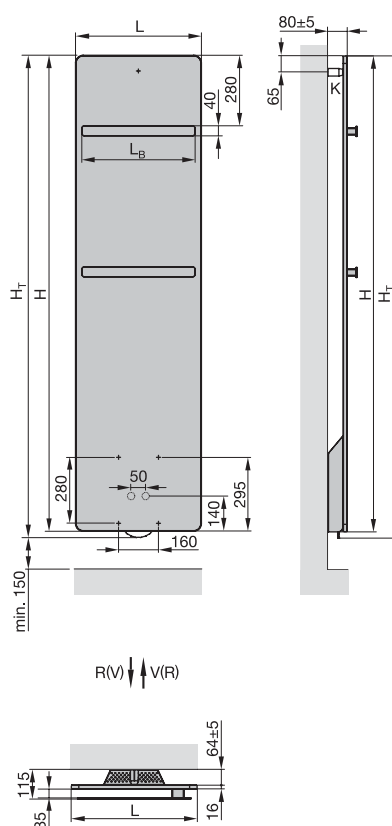
## Zehnder Vitalo Bar

### Operation on hot water central heating system:

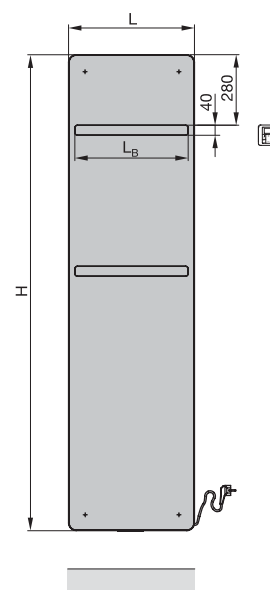
Wall mounting



### Operation on hot water central heating system with Zehnder EasyFit connection box<sup>1)</sup>:



### Electric operation:



Accessory EasyFit connection box

- H = Height
- H<sub>T</sub> = Total height, H + 25 mm
- L = Length
- L<sub>B</sub> = Length of towel rail, L - 50 mm <sup>2)</sup>
- V = Flow
- R = Return
- K = Bracket

Dimensions in mm

- 1) Without internal by-pass for single-tube operation
- 2) Towel rail 1 x for H = 1250 mm, 2 x for H = 1570 mm and 1890 mm

## Zehnder Roda Twist Spa Air



Radiator colour: Reseda Green



### Electric operation

Zehnder Roda Twist Spa Air decorative radiator for electric-only operation; made from horizontally arranged precision flat tubes and vertical header tubes, without visible welds, fully welded. Single-sided, asymmetrically arranged flat tubes 70 x 11 mm branching laterally from the manifold Ø 38 mm; radiator can be pivoted 180° from the wall; towels can be slid in from the side to warm or dry.

Dual electrical heating system, comprising electric heating element integrated into the outer manifold and concealed boost heater arranged behind the radiator with flow direction downwards and forwards.

Common mains power supply of 230 V for electric heating element and boost heater, connection cable 1,2 m with Euro plug; splash-proof, IP24, with CE marking; separate battery-operated infrared control device model 3 for controlling the electric heating element and for controlling the boost heater with different operating modes; decorative radiator filled with heat transfer fluid.

Radiator with powder coating, in colour RAL 9016 as standard, in special colour on request. Delivered ready to install with wall brackets incl. cover in colour of radiator.

### Benefits

- Practical access to the hand towel from the side
- Pivotable by 180°
- Separate or mixed operation of electric heating element and boost heater possible
- Boost function for rapid heating
- Radiant heat and reheating time
- Daily programme, weekly programme can be activated as an option (Eco and Comfort mode)
- Extra hygiene through cleanable air filter
- Energy-efficient and comfortable heating via innovative open window detection
- Low energy consumption in stand-by mode ( $\leq 0,5$  W)
- Ready-to-plug

### Standard scope of delivery for electric operation

- Powder coating to DIN 55900, RAL 9016
- Electric heating element with selectable operating modes: manual (above room temperature) daily programme, off, weekly programme can be activated as an option (Eco and Comfort mode)
- Electric boost heater with timer function, incl. over-heat protection
- Infrared control device model 3 incl. batteries
- Radiator filled with heat transfer fluid
- Mounting accessories for wall mounting with pivot function
- Packaging

## Zehnder Roda Twist Spa Air

### Electric-only operation



| Model | H <sup>②</sup><br>mm | L<br>mm | Output<br>Boost heater<br>Watt | Classification<br>Electric heating<br>element<br>Watt | Price<br>RAL 9016<br>€ | Price <sup>①</sup><br>Cat. 1<br>€ |
|-------|----------------------|---------|--------------------------------|-------------------------------------------------------|------------------------|-----------------------------------|
|-------|----------------------|---------|--------------------------------|-------------------------------------------------------|------------------------|-----------------------------------|

#### Painted version, right-hand version

|                 |      |     |      |      |          |          |
|-----------------|------|-----|------|------|----------|----------|
| ROER-100-55/IPS | 966  | 550 | 1000 | 500  | 1.467,67 | 1.687,82 |
| ROER-140-55/IPS | 1344 | 550 | 1000 | 750  | 1.595,65 | 1.834,99 |
| ROER-190-55/IPS | 1837 | 550 | 1000 | 1000 | 1.882,36 | 2.164,71 |

#### Painted version, left-hand version

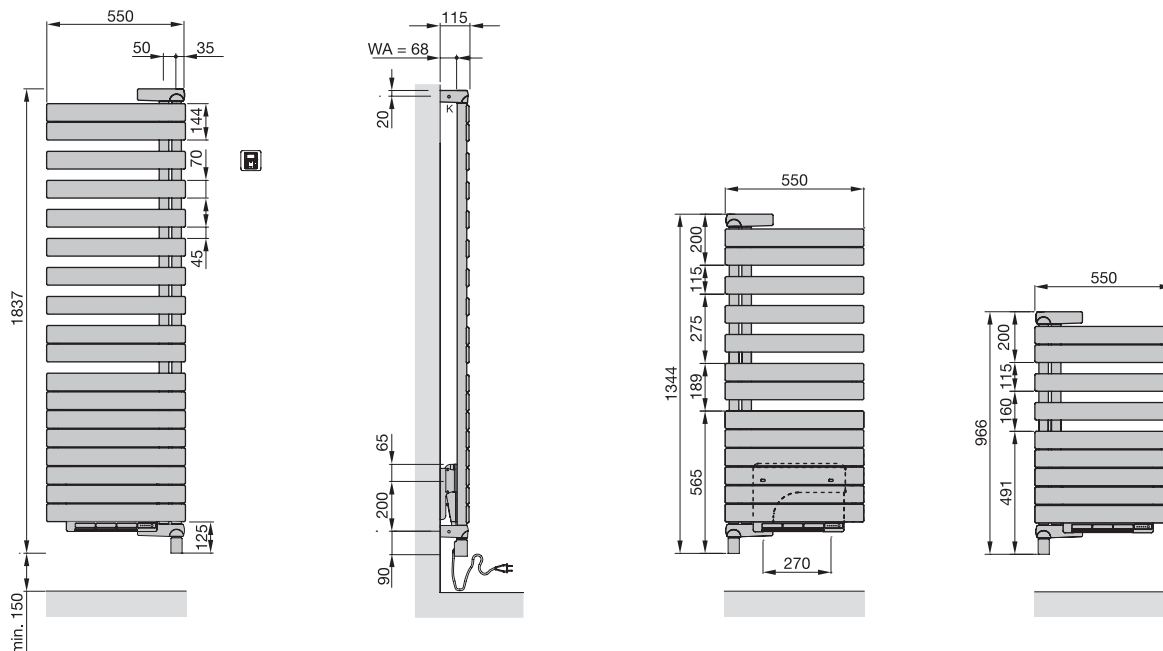
|                 |      |     |      |      |          |          |
|-----------------|------|-----|------|------|----------|----------|
| ROEL-100-55/IPS | 966  | 550 | 1000 | 500  | 1.467,67 | 1.687,82 |
| ROEL-140-55/IPS | 1344 | 550 | 1000 | 750  | 1.595,65 | 1.834,99 |
| ROEL-190-55/IPS | 1837 | 550 | 1000 | 1000 | 1.882,36 | 2.164,71 |

| Special solution on request (surcharge)              | Article number | Price € |
|------------------------------------------------------|----------------|---------|
| ▪ Special finish to category 2 (surcharge on cat. 1) | R200011640     | 146,76  |
| ▪ Towel rail, magnetic, overall length 399 mm        | 471108         | 269,02  |
| ▪ Towel hook, magnetic                               | 470328         | 135,31  |

### Electric operation:

Left-hand version

Right-hand version



WA = Wall clearance

K = Bracket

Dimensions in mm

① For special colours in categories 1 and 2, see "Special solutions" and "Colour chart"

② Total height incl. electric heating element and bracket

For legend, see "Electric operation and Ecodesign Directive" on page 166

# Zehnder Metropolitan Spa



Radiator colour: Brown Quartz

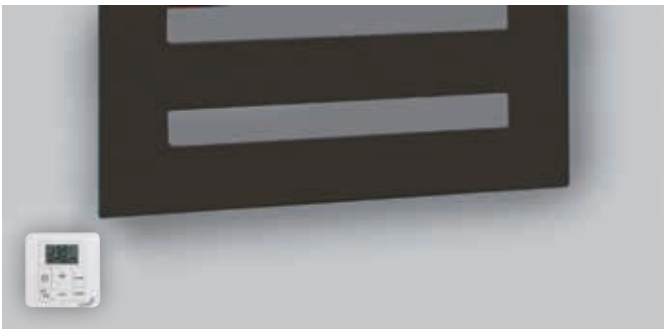
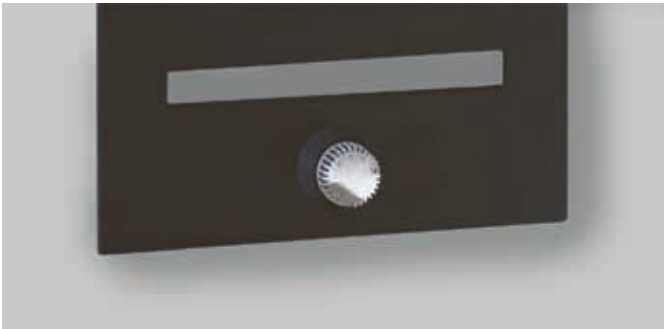
## Operation on hot water central heating system

Zehnder Metropolitan Spa decorative radiator for use as a bathroom and towel radiator. Flat-looking radiator with recessed slots, made from horizontally arranged flat tubes 70 x 8 mm, which are connected with a surrounding triangular profile frame without visible welded joints. With one or more openings (depending on height) for hanging towels. Thermal output to EN 442, with CE marking. With 4 connections at bottom, 2 x central 1/2" for flow/return, spacing 50 mm and 2 x 1/2", outside left and right, with directional air vent. Connections for Completto version: Flow/return 2 x 3/4" external thread at the back, centred 50 mm spacing, including valve and thermostat integrated into front panel. Connections for dual energy operation: Flow/return 2 x 1/2" at bottom centre, spacing 50 mm and factory covered integrated electric heating element RACY-S, bottom right, with separate remote control device model 2. Radiator with powder coating, in colour RAL 9016 as standard, in special colour on request. Delivered ready to install with matching wall brackets and packaging.

|                                                          |              |
|----------------------------------------------------------|--------------|
| Operating pressure                                       | max. 4,0 bar |
| Hot water central heating system operating temperature   | max. 110°C   |
| Dual energy operation operating temperature (model METM) | max. 95°C    |
| Height                                                   | ..... mm     |
| Length                                                   | ..... mm     |
| Model                                                    | .....        |

## Benefits

- Innovative radiator with flat design
- Clean look due to innovative welding technology
- Ideal towel hanging through large cut-out(s)
- Individually positionable designer towel hook
- Elegant solutions for valve integration on request
- Dual energy operation: electric heating element RACY-S integrated elegantly
- Side connections for easy replacement of old DIN standard radiators on request



## Electric operation

Zehnder Metropolitan Spa decorative radiator, electric-only, for use as a bathroom and towel radiator. Flat-looking radiator with recessed slots, made from horizontally arranged flat tubes 70 x 8 mm, which are connected with a surrounding triangular profile frame without visible welded joints. With one or more openings (depending on height) for hanging towels. Electric version filled with heat transfer fluid, for connection to 230 V mains supply. With 1,2 m connection cable. Radiator with powder coating, in colour RAL 9016 as standard, in special colour or chrome on request. Delivered ready to install with matching wall brackets in colour of radiator.

## Electric operation with heating element IHC

Heating element IHC with integrated control function and modular control concept. Basic functions can be set directly on the heating element. For an even more comfortable and easy control, remote control EASY (RCE, available as accessory) or the Zehnder Connect app can be used. Control unit colour in either white, grey or black, depending on radiator colour, built-in on right collector tube. Connection cable an plug in radiator colour, protection class IP54.

## Electric operation with heating element IHE

Heating element IHE (without control function) for application in combination with on-site control (e. g. BMS systems). Control unit colour either white or chrome, depending on radiator colour, built-in on right collector tube. Connection cable with Schuko plug in white or grey, protection class IP65.

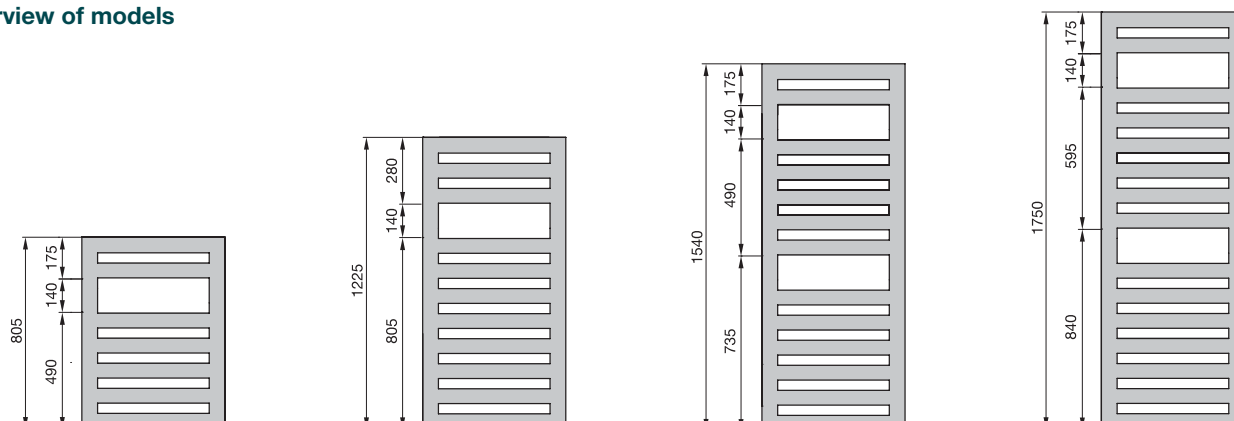
## Electric operation with heating element RACY-S

Heating element RACY-S, degree of protection IP44 (splash-proof), with Euro plug, seamlessly integrated into the frame profile on the bottom right. Separate, battery-operated remote control device model 2 for controlling the room temperature.



# Zehnder Metropolitan Spa

## Overview of models



## Connection to hot water central heating system

| Model           | H    | L   | Thermal output           |               |               |               | Exp. | Classification<br>Electric heating<br>element<br>Watt | V   | M    | Price<br>RAL 9016<br>€ | Price <sup>①</sup><br>Cat. 1<br>€ |
|-----------------|------|-----|--------------------------|---------------|---------------|---------------|------|-------------------------------------------------------|-----|------|------------------------|-----------------------------------|
|                 | mm   | mm  | EN 442 <sup>③</sup><br>W | 70/55/24<br>W | 55/45/24<br>W | 55/45/20<br>W |      |                                                       |     |      |                        |                                   |
| Painted version |      |     |                          |               |               |               |      |                                                       |     |      |                        |                                   |
| MET-080-040     | 805  | 400 | 327                      | 233           | 143           | 171           | 1,25 | -                                                     | 3,5 | 6,5  | 708,23                 | 885,28                            |
| MET-120-040     | 1225 | 400 | 474                      | 337           | 206           | 247           | 1,26 | -                                                     | 4,8 | 9,8  | 785,05                 | 981,32                            |
| MET-150-040     | 1540 | 400 | 582                      | 414           | 252           | 303           | 1,26 | -                                                     | 5,4 | 11,5 | 928,37                 | 1.160,46                          |
| MET-180-040     | 1750 | 400 | 654                      | 466           | 285           | 343           | 1,25 | -                                                     | 6,5 | 13,7 | 1.037,60               | 1.297,01                          |
| MET-080-050     | 805  | 500 | 388                      | 276           | 168           | 202           | 1,26 | -                                                     | 3,8 | 7,8  | 721,90                 | 902,38                            |
| MET-120-050     | 1225 | 500 | 561                      | 399           | 243           | 293           | 1,26 | -                                                     | 5,2 | 11,7 | 802,11                 | 1.002,65                          |
| MET-150-050     | 1540 | 500 | 690                      | 489           | 297           | 358           | 1,27 | -                                                     | 5,9 | 13,5 | 947,15                 | 1.183,95                          |
| MET-180-050     | 1750 | 500 | 775                      | 551           | 336           | 404           | 1,26 | -                                                     | 7,3 | 16,3 | 1.059,80               | 1.324,76                          |
| MET-080-060     | 805  | 600 | 445                      | 315           | 192           | 231           | 1,27 | -                                                     | 4,2 | 9,1  | 745,81                 | 932,26                            |
| MET-120-060     | 1225 | 600 | 645                      | 457           | 278           | 335           | 1,27 | -                                                     | 5,7 | 13,5 | 827,70                 | 1.034,62                          |
| MET-150-060     | 1540 | 600 | 792                      | 560           | 339           | 409           | 1,28 | -                                                     | 6,5 | 15,6 | 976,16                 | 1.220,20                          |
| MET-180-060     | 1750 | 600 | 889                      | 630           | 383           | 461           | 1,27 | -                                                     | 8,0 | 19,0 | 1.092,23               | 1.365,29                          |

## Connection for dual energy operation with integrated electric heating element<sup>1)</sup>



| Model           | H    | L   | Thermal output           |               |               |               | Exp. | Classification<br>Electric heating<br>element<br>Watt | V   | M    | Price<br>RAL 9016 | Price <sup>①</sup><br>Cat. 1 |
|-----------------|------|-----|--------------------------|---------------|---------------|---------------|------|-------------------------------------------------------|-----|------|-------------------|------------------------------|
|                 | mm   | mm  | EN 442 <sup>③</sup><br>W | 70/55/24<br>W | 55/45/24<br>W | 55/45/20<br>W |      |                                                       |     |      |                   |                              |
| Painted version |      |     |                          |               |               |               |      |                                                       |     |      |                   |                              |
| METM-120-050/GD | 1225 | 500 | 561                      | 399           | 243           | 293           | 1,26 | 500                                                   | 5,1 | 12,2 | 1.305,76          | 1.501,63                     |
| METM-150-050/GD | 1540 | 500 | 690                      | 489           | 297           | 358           | 1,27 | 600                                                   | 5,8 | 14,0 | 1.462,72          | 1.682,12                     |
| METM-180-050/GD | 1750 | 500 | 775                      | 551           | 336           | 404           | 1,26 | 750                                                   | 7,1 | 16,8 | 1.566,21          | 1.801,15                     |
| METM-180-060/GD | 1750 | 600 | 889                      | 630           | 383           | 461           | 1,27 | 900                                                   | 7,8 | 19,5 | 1.614,51          | 1.856,70                     |

<sup>1)</sup> Maximum operating pressure for dual energy operation is 4 bar

① For special colours in categories 1 and 2, see "Special solutions" and "Colour chart"

③ Thermal output to EN 442, ΔT 50 K (75/65/20°C)

④ For Completto version (with integrated valve), note greater height; total height H<sub>T</sub> = H + 175 mm

For legend, see "Electric operation and Ecodesign Directive" on page 166

# Zehnder Metropolitan Spa

## Connection for dual energy operation with new electric platform, heating element IHC



| Model           | H    | L   | Thermal output           |               |               |               | Exp. | Classification<br>Electric heating<br>element<br>Watt | V   | M    | Price         | Price <sup>①</sup> |
|-----------------|------|-----|--------------------------|---------------|---------------|---------------|------|-------------------------------------------------------|-----|------|---------------|--------------------|
|                 | mm   | mm  | EN 442 <sup>②</sup><br>W | 70/55/24<br>W | 55/45/24<br>W | 55/45/20<br>W |      |                                                       | dm³ | kg   | RAL 9016<br>€ | Cat. 1<br>€        |
| Painted version |      |     |                          |               |               |               |      |                                                       |     |      |               |                    |
| METSS120050MCZD | 1225 | 500 | 561                      | 399           | 243           | 293           | 1,26 | 500                                                   | 5,1 | 12,2 | 1.179,32      | 1.399,92           |
| METSS150050MCZD | 1540 | 500 | 690                      | 489           | 297           | 358           | 1,27 | 600                                                   | 5,8 | 14,0 | 1.338,87      | 1.599,35           |
| METSS180050MCZD | 1750 | 500 | 775                      | 551           | 336           | 404           | 1,26 | 750                                                   | 7,1 | 16,8 | 1.468,28      | 1.759,74           |
| METSS180060MCZD | 1750 | 600 | 889                      | 630           | 383           | 461           | 1,27 | 900                                                   | 7,8 | 19,5 | 1.503,95      | 1.804,32           |



## Electric-only operation

| Model                  | H<br>mm | L<br>mm | Classification<br>Electric heating<br>element<br>Watt | Price<br>RAL 9016<br>€ | Price <sup>①</sup><br>Cat. 1<br>€ |
|------------------------|---------|---------|-------------------------------------------------------|------------------------|-----------------------------------|
| <b>Painted version</b> |         |         |                                                       |                        |                                   |
| METE-080-040/GD        | 805     | 400     | 300                                                   | 1.174,13               | 1.350,25                          |
| METE-150-040/GD        | 1540    | 400     | 500                                                   | 1.443,76               | 1.660,33                          |
| METE-180-040/GD        | 1750    | 400     | 600                                                   | 1.546,17               | 1.778,10                          |
| METE-120-050/GD        | 1225    | 500     | 500                                                   | 1.315,78               | 1.513,14                          |
| METE-150-050/GD        | 1540    | 500     | 600                                                   | 1.474,48               | 1.695,65                          |
| METE-180-050/GD        | 1750    | 500     | 750                                                   | 1.578,62               | 1.815,40                          |
| METE-180-060/GD        | 1750    | 600     | 900                                                   | 1.628,04               | 1.872,26                          |



## Electric-only operation with new electric platform

| Model           | H <sup>③</sup> | L   | Classification<br>Electric heating<br>element<br>Watt | Price RAL 9016<br>€                                                                                              |                            | Price Cat. 1 <sup>①</sup><br>€                                                                                   |                            |
|-----------------|----------------|-----|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|
|                 | mm             | mm  |                                                       | Heating element<br>IHC (C)  | Heating element<br>IHE (A) | Heating element<br>IHC (C)  | Heating element<br>IHE (A) |
| Painted version |                |     |                                                       |                                                                                                                  |                            |                                                                                                                  |                            |
| METSS080040E_ZD | 805            | 400 | 300                                                   | 1.113,46                                                                                                         | 871,42                     | 1.317,07                                                                                                         | 1.078,31                   |
| METSS150040E_ZD | 1540           | 400 | 600                                                   | 1.378,13                                                                                                         | 1.118,74                   | 1.645,03                                                                                                         | 1.386,51                   |
| METSS180040E_ZD | 1750           | 400 | 600                                                   | 1.503,74                                                                                                         | 1.238,90                   | 1.802,06                                                                                                         | 1.536,71                   |
| METSS120050E_ZD | 1225           | 500 | 600                                                   | 1.232,93                                                                                                         | 979,86                     | 1.463,55                                                                                                         | 1.212,92                   |
| METSS150050E_ZD | 1540           | 500 | 600                                                   | 1.399,72                                                                                                         | 1.139,40                   | 1.672,04                                                                                                         | 1.412,35                   |
| METSS180050E_ZD | 1750           | 500 | 900                                                   | 1.535,02                                                                                                         | 1.273,48                   | 1.839,72                                                                                                         | 1.578,24                   |
| METSS180060E_ZD | 1750           | 600 | 900                                                   | 1.572,31                                                                                                         | 1.330,15                   | 1.886,33                                                                                                         | 1.644,82                   |

### Standard scope of delivery for operation on hot water central heating system

- Powder coating to DIN 55900, RAL 9016
- 4 x ½" connections for flow, return
- Completto: Pre-adjustable valve AV 9, chrome thermostat, connections: 2 x ¾" external thread (at the back)
- Dual energy operation: Electric heating element RACY-S, pre-assembled on the right, with remote control device, incl. batteries, selectable operating modes: manual (above room temperature), weekly programme, timer, off
- ½" chrome directional air vent
- Mounting accessories in colour of radiator
- Packaging

### Standard scope of delivery for electric operation

- Powder coating to DIN 55900, RAL 9016
- Filled with non-flammable heat-transfer fluid (frost-proof to -10°C)
- Mounting accessories in colour of radiator
- Packaging
- Version with heating element IHC: With built-in immersion heater in outer manifold and control unit with LED matrix display, control unit white, black or grey (depending on radiator colour), cable and plug in colour of control unit
- Version with heating element IHE: With built-in immersion heater in outer manifold, without control option, control unit in white (if radiator is white) or chrome (for all other radiator surfaces).
- Version with integrated heating element RACY-S: with remote control device, incl. battery, with selectable operating modes: manual (above room temperature), weekly programme, timer, off.

① For special colours in categories 1 and 2, see "Special solutions" and "Colour chart"

② Thermal output to EN 442, ΔT 50 K (75/65/20°C)

③ Total height w/o heating element. For IHC +128 mm, for IHE +50 mm.

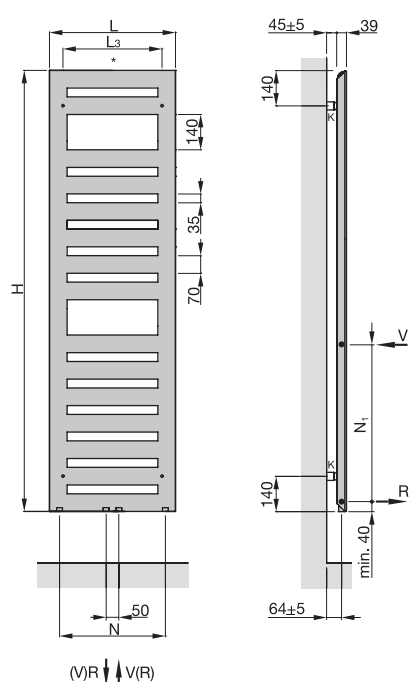
For legend, see "Electric operation and Ecodesign Directive" on page 166

## Zehnder Metropolitan Spa

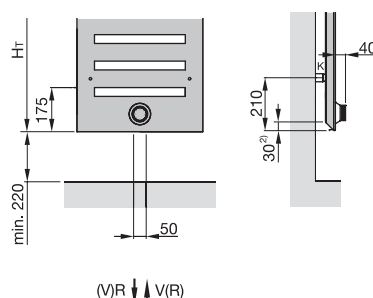
| Special solution on request (surcharge)                                                         | Article number   | Price €            |
|-------------------------------------------------------------------------------------------------|------------------|--------------------|
| ▪ Special finish to category 2 (surcharge on cat. 1)                                            | M100011640       | 146,76             |
| ▪ Special finish in Technoline (surcharge on cat. 1)                                            | See colour chart | As in Cat. 2       |
| ▪ Remote control EASY for IHC (RCE)*                                                            | 887970           | 133,38             |
| ▪ Surface in metal look: stainless-steel look (reduced output approx. 8%)                       | M100012332       | As in Cat. 1       |
| ▪ Integrated valve including thermostat; note greater height ( $H_T = H + 175$ mm, see drawing) | -                | 361,19             |
| ▪ Side connection (both left or right); any connection size                                     | -                | 190,99             |
| ▪ Towel hook, for attaching, set of 2, chrome                                                   | 480438           | 57,04              |
| ▪ Towel rail for hanging towels on the side, for radiators of length 400, chrome                | 468038           | 156,06             |
| ▪ Towel rail for hanging towels on the side, for radiators of length 500, chrome                | 468048           | 156,06             |
| ▪ Towel rail for hanging towels, for radiators of length 600, chrome                            | 468058           | 156,06             |
| ▪ Towel rail for hanging towels, for radiators of length 900, chrome                            | 468078           | 186,16             |
| ▪ Zehnder thermostat SH, M 30 x 1,5, white or chrome                                            | -                | See page 158       |
| ▪ Zehnder valves, lockshield valves and connection fittings                                     | -                | See p. 159 onwards |

### Operation on hot water central heating system:

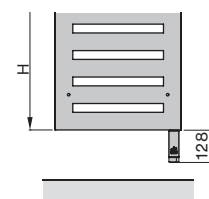
Wall mounting



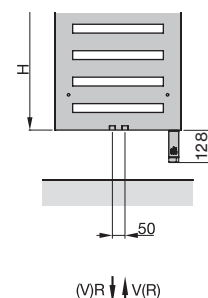
Integrated valve (Completo)<sup>1)</sup>  
Detailed view



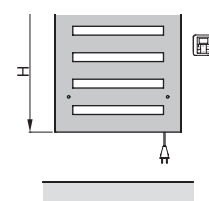
**Electric operation:**  
Detailed view with heating element IHC



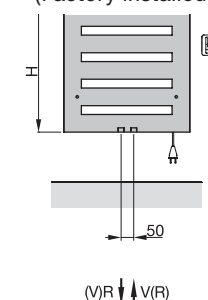
**Dual energy operation:**  
Detailed view with heating element IHC (Factory installed)



**Electric operation:**  
Detailed view with heating element RACY-S



**Dual energy operation:**  
Detailed view with heating element RACY-S (Factory installed)



- H = Height  
 L = Length  
 L<sub>3</sub> = Fixing dimension, L - 106 mm  
 K = Bracket  
 V = Flow 1/2"  
 R = Return 1/2"  
 \* = Venting 1/2"  
 N = Connection centre, L - 80 mm  
 N<sub>1</sub> = Connection centre for side connection  
 H<sub>T</sub> = Total height, H + 175 mm

Dimensions in mm

- 1) Without internal by-pass for single-tube operation, not possible with dual energy operation  
 2) Distance from bottom edge of radiator to middle of connection

① For special colours in categories 1 and 2, see "Special solutions" and "Colour chart"

For legend, see "Electric operation and Ecodesign Directive" on page 166 [\[1\]](#)



Remote control EASY can be ordered as accessory for heating element IHC.

# Zehnder Metropolitan Bar



Radiator colour: Traffic White

## Operation on hot water central heating system

Zehnder Metropolitan Bar decorative radiator for use as a bathroom and towel radiator. Flat-looking radiator with recessed slots, made from horizontally arranged flat tubes 70 x 8 mm, which are connected with a surrounding triangular profile frame without visible welded joints. With even structure incl. towel rail. Thermal output to EN 442; with CE marking. With 4 connections at bottom, 2 x central ½" for flow/return, spacing 50 mm and 2 x ½", outside left and right, with directional air vent.

Connections for Completto version: Flow/return 2 x ¾" external thread at the back, centred 50 mm spacing, including valve and thermostat integrated into front panel.

Connections for dual energy operation: Flow/return 2 x ½" at bottom centre, spacing 50 mm and factory covered integrated electric heating element RACY-S, bottom right, with separate remote control device model 2.

Radiator with powder coating, in colour RAL 9016 as standard, in special colour on request. Delivered ready to install with matching wall brackets and packaging.

|                                                          |              |
|----------------------------------------------------------|--------------|
| Operating pressure                                       | max. 4,0 bar |
| Hot water central heating system operating temperature   | max. 110°C   |
| Dual energy operation operating temperature (model MEPM) | max. 95°C    |
| Height                                                   | ..... mm     |
| Length                                                   | ..... mm     |
| Model                                                    | .....        |

## Benefits

- Innovative radiator with flat design
- Clean look due to innovative welding technology
- Model with towel rail for easy hanging of towels
- Individually positionable designer towel hook
- Elegant solutions for valve integration on request
- Dual energy operation: electric heating element RACY-S integrated elegantly
- Side connections for easy replacement of old DIN standard radiators on request



## Electric operation

Zehnder Metropolitan Bar decorative radiator, electric-only, for use as a bathroom and towel radiator. Flat-looking radiator with recessed slots, made from horizontally arranged flat tubes 70 x 8 mm, which are connected with a surrounding triangular profile frame without visible welded joints. With even structure incl. towel rail. Electric version filled with heat transfer fluid, for connection to 230 V mains supply. With 1,2 m connection cable. Radiator with powder coating, in colour RAL 9016 as standard, in special colour or chrome on request. Delivered ready to install with matching wall brackets in colour of radiator.

## Electric operation with heating element IHC

Heating element IHC with integrated control function and modular control concept. Basic functions can be set directly on the heating element. For an even more comfortable and easy control, remote control EASY (RCE, available as accessory) or the Zehnder Connect app can be used. Control unit colour in either white, grey or black, depending on radiator colour, built-in on right collector tube. Connection cable an plug in radiator colour, protection class IP54.

## Electric operation with heating element IHE

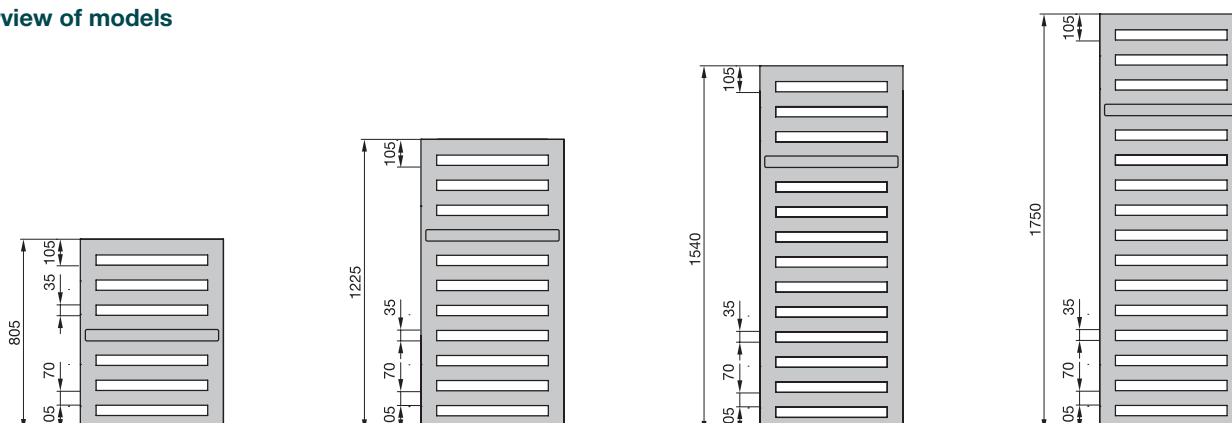
Heating element IHE (without control function) for application in combination with on-site control (e. g. BMS systems). Control unit colour either white or chrome, depending on radiator colour, built-in on right collector tube. Connection cable with Schuko plug in white or grey, protection class IP65.

## Electric operation with heating element RACY-S

Heating element RACY-S, degree of protection IP44 (splash-proof), with Euro plug, seamlessly integrated into the frame profile on the bottom right. Separate, battery-operated remote control device model 2 for controlling the room temperature.

## Zehnder Metropolitan Bar

### Overview of models



### Connection to hot water central heating system

| Model | H <sup>①</sup> | L  | Thermal output      |          |          |          | Exp. | Classification                | V               | M  | Price      | Price <sup>②</sup> |
|-------|----------------|----|---------------------|----------|----------|----------|------|-------------------------------|-----------------|----|------------|--------------------|
|       | mm             | mm | EN 442 <sup>③</sup> | 70/55/24 | 55/45/24 | 55/45/20 | n    | Electric heating element Watt | dm <sup>3</sup> | kg | RAL 9016 € | Cat. 1 €           |

#### Painted version with chrome-plated towel rail

|             |      |     |     |     |     |     |      |   |     |      |          |          |
|-------------|------|-----|-----|-----|-----|-----|------|---|-----|------|----------|----------|
| MEP-080-040 | 805  | 400 | 323 | 228 | 137 | 166 | 1,29 | - | 3,5 | 6,8  | 836,22   | 1.045,27 |
| MEP-120-040 | 1225 | 400 | 469 | 332 | 201 | 242 | 1,28 | - | 4,9 | 10,3 | 918,14   | 1.147,67 |
| MEP-150-040 | 1540 | 400 | 582 | 418 | 259 | 310 | 1,22 | - | 5,5 | 12,0 | 1.064,92 | 1.331,15 |
| MEP-180-040 | 1750 | 400 | 663 | 467 | 282 | 340 | 1,29 | - | 6,7 | 14,4 | 1.179,24 | 1.474,05 |
| MEP-080-050 | 805  | 500 | 387 | 273 | 165 | 199 | 1,29 | - | 4,0 | 8,2  | 851,57   | 1.064,47 |
| MEP-120-050 | 1225 | 500 | 563 | 398 | 241 | 291 | 1,28 | - | 5,5 | 12,4 | 935,21   | 1.169,01 |
| MEP-150-050 | 1540 | 500 | 730 | 523 | 323 | 387 | 1,23 | - | 6,2 | 14,4 | 1.085,39 | 1.356,74 |
| MEP-180-050 | 1750 | 500 | 795 | 561 | 338 | 408 | 1,29 | - | 7,6 | 17,4 | 1.201,41 | 1.501,76 |
| MEP-080-060 | 805  | 600 | 449 | 317 | 191 | 231 | 1,29 | - | 4,4 | 9,7  | 875,46   | 1.094,32 |
| MEP-120-060 | 1225 | 600 | 653 | 462 | 279 | 337 | 1,28 | - | 6,1 | 14,5 | 960,79   | 1.201,00 |
| MEP-150-060 | 1540 | 600 | 871 | 624 | 385 | 461 | 1,23 | - | 7,0 | 16,8 | 1.116,10 | 1.395,12 |
| MEP-180-060 | 1750 | 600 | 922 | 650 | 392 | 473 | 1,29 | - | 8,5 | 20,4 | 1.235,57 | 1.544,46 |

| Model | H  | L  | Thermal output      |          |          |          | Exp. | Classification                | V               | M  | Price      | Price <sup>②</sup> |
|-------|----|----|---------------------|----------|----------|----------|------|-------------------------------|-----------------|----|------------|--------------------|
|       | mm | mm | EN 442 <sup>③</sup> | 70/55/24 | 55/45/24 | 55/45/20 | n    | Electric heating element Watt | dm <sup>3</sup> | kg | RAL 9016 € | Cat. 1 €           |

#### Painted version with chrome-plated towel rail for installation below windows

|             |     |     |     |     |     |     |      |   |     |      |        |          |
|-------------|-----|-----|-----|-----|-----|-----|------|---|-----|------|--------|----------|
| MEP-060-090 | 595 | 900 | 447 | 314 | 189 | 228 | 1,30 | - | 4,7 | 10,1 | 930,10 | 1.162,61 |
| MEP-070-090 | 700 | 900 | 517 | 364 | 218 | 264 | 1,30 | - | 5,2 | 11,8 | 950,57 | 1.188,20 |



### Connection for dual energy operation with integrated electric heating element\*

| Model | H  | L  | Thermal output      |          |          |          | Exp. | Classification                | V               | M  | Price      | Price <sup>②</sup> |
|-------|----|----|---------------------|----------|----------|----------|------|-------------------------------|-----------------|----|------------|--------------------|
|       | mm | mm | EN 442 <sup>③</sup> | 70/55/24 | 55/45/24 | 55/45/20 | n    | Electric heating element Watt | dm <sup>3</sup> | kg | RAL 9016 € | Cat. 1 €           |

#### Painted version with chrome-plated towel rail

|                 |      |     |     |     |     |     |      |     |     |      |          |          |
|-----------------|------|-----|-----|-----|-----|-----|------|-----|-----|------|----------|----------|
| MEPM-120-050/GD | 1225 | 500 | 563 | 398 | 241 | 291 | 1,28 | 500 | 5,4 | 13,3 | 1.467,90 | 1.688,07 |
| MEPM-150-050/GD | 1540 | 500 | 730 | 523 | 323 | 387 | 1,23 | 600 | 6,1 | 15,4 | 1.631,76 | 1.876,53 |
| MEPM-180-050/GD | 1750 | 500 | 795 | 561 | 338 | 408 | 1,29 | 750 | 7,5 | 18,3 | 1.740,42 | 2.001,49 |
| MEPM-180-060/GD | 1750 | 600 | 922 | 650 | 392 | 473 | 1,29 | 900 | 8,4 | 21,4 | 1.790,47 | 2.059,04 |

\* Maximum operating pressure for dual energy operation is 4 bar

① For special colours in categories 1 and 2, see "Special solutions" and "Colour chart"

② Thermal output to EN 442, ΔT 50 K (75/65/20°C)

③ For Completto version (with integrated valve), note greater height; total height H<sub>T</sub> = H + 175 mm

For legend, see "Electric operation and Ecodesign Directive" on page 166

## Zehnder Metropolitan Bar

### Connection for dual energy operation with new electric platform, heating element IHC



| Model | H <sup>④</sup><br>mm | L<br>mm | Thermal output           |               |               |               | Exp.<br>n | Classification<br>Electric heating<br>element<br>Watt | V<br>dm <sup>3</sup> | M<br>kg | Price<br>RAL 9016<br>€ | Price <sup>①</sup><br>Cat. 1<br>€ |
|-------|----------------------|---------|--------------------------|---------------|---------------|---------------|-----------|-------------------------------------------------------|----------------------|---------|------------------------|-----------------------------------|
|       |                      |         | EN 442 <sup>③</sup><br>W | 70/55/24<br>W | 55/45/24<br>W | 55/45/20<br>W |           |                                                       |                      |         |                        |                                   |

#### Painted version

|                 |      |     |     |     |     |     |      |     |     |      |          |          |
|-----------------|------|-----|-----|-----|-----|-----|------|-----|-----|------|----------|----------|
| MEPSS120050MCZD | 1225 | 500 | 563 | 398 | 241 | 291 | 1,28 | 500 | 5,4 | 13,3 | 1.325,73 | 1.582,91 |
| MEPSS150050MCZD | 1540 | 500 | 730 | 523 | 323 | 387 | 1,23 | 600 | 6,1 | 15,4 | 1.490,93 | 1.789,41 |
| MEPSS180050MCZD | 1750 | 500 | 795 | 561 | 338 | 408 | 1,29 | 750 | 7,5 | 18,3 | 1.624,05 | 1.954,44 |
| MEPSS180060MCZD | 1750 | 600 | 922 | 650 | 392 | 473 | 1,29 | 900 | 8,4 | 21,4 | 1.661,63 | 2.001,41 |



### Electric-only operation

| Model | H<br>mm | L<br>mm | Classification<br>Electric heating<br>element<br>Watt | Price<br>RAL 9016<br>€ | Price <sup>①</sup><br>Cat. 1<br>€ |
|-------|---------|---------|-------------------------------------------------------|------------------------|-----------------------------------|
|-------|---------|---------|-------------------------------------------------------|------------------------|-----------------------------------|

#### Painted version with chrome-plated towel rail

|                 |      |     |     |          |          |
|-----------------|------|-----|-----|----------|----------|
| MEPE-080-040/GD | 805  | 400 | 300 | 1.314,07 | 1.511,18 |
| MEPE-150-040/GD | 1540 | 400 | 500 | 1.622,91 | 1.866,35 |
| MEPE-180-040/GD | 1750 | 400 | 600 | 1.718,51 | 1.976,30 |
| MEPE-120-050/GD | 1225 | 500 | 500 | 1.476,19 | 1.697,61 |
| MEPE-150-050/GD | 1540 | 500 | 600 | 1.641,73 | 1.887,98 |
| MEPE-180-050/GD | 1750 | 500 | 750 | 1.750,95 | 2.013,59 |
| MEPE-180-060/GD | 1750 | 600 | 900 | 1.802,17 | 2.072,49 |



### Electric-only operation with new electric platform

| Model | H <sup>④</sup><br>mm | L<br>mm | Classification<br>Electric heating<br>element<br>Watt | Price RAL 9016<br>€        |                            | Price Cat. 1 <sup>①</sup><br>€ |                            |
|-------|----------------------|---------|-------------------------------------------------------|----------------------------|----------------------------|--------------------------------|----------------------------|
|       |                      |         |                                                       | Heating element<br>IHC (C) | Heating element<br>IHE (A) | Heating element<br>IHC (C)     | Heating element<br>IHE (A) |

#### Painted version

|                 |      |     |     |          |          |          |          |
|-----------------|------|-----|-----|----------|----------|----------|----------|
| MEPSS080040E_ZD | 805  | 400 | 300 | 1.260,65 | 1.012,21 | 1.501,06 | 1.254,30 |
| MEPSS150040E_ZD | 1540 | 400 | 600 | 1.535,16 | 1.268,95 | 1.841,32 | 1.574,27 |
| MEPSS180040E_ZD | 1750 | 400 | 600 | 1.666,63 | 1.394,70 | 2.005,66 | 1.731,46 |
| MEPSS120050E_ZD | 1225 | 500 | 600 | 1.385,99 | 1.126,27 | 1.654,86 | 1.395,91 |
| MEPSS150050E_ZD | 1540 | 500 | 600 | 1.558,70 | 1.291,47 | 1.870,75 | 1.602,41 |
| MEPSS180050E_ZD | 1750 | 500 | 900 | 1.697,87 | 1.429,25 | 2.043,27 | 1.772,94 |
| MEPSS180060E_ZD | 1750 | 600 | 900 | 1.737,16 | 1.487,83 | 2.092,38 | 1.841,91 |

① For special colours in categories 1 and 2, see "Special solutions" and "Colour chart"

③ Thermal output to EN 442, ΔT 50 K (75/65/20°C)

④ Total height w/o heating element. For IHC +128 mm, for IHE +50 mm.

For legend, see "Electric operation and Ecodesign Directive" on page 166

## Zehnder Metropolitan Bar

### Standard scope of delivery for operation on hot water central heating system

- Powder coating to DIN 55900, RAL 9016
- 4 x ½" connections for flow, return
- Completo: Pre-adjustable valve AV 9, chrome thermostat, connections: 2 x ¾" external thread (at the back)
- Dual energy operation: Electric heating element RACY-S, pre-assembled on the right, with remote control device, incl. batteries, selectable operating modes: manual (above room temperature), weekly programme, timer, off
- ½" chrome directional air vent
- Towel rail in chrome
- Mounting accessories in colour of radiator
- Packaging

### Standard scope of delivery for electric operation

- Powder coating to DIN 55900, RAL 9016
- Filled with heat transfer fluid
- Towel rail in chrome
- Mounting accessories in colour of radiator
- Packaging
- Version with heating element IHC: With built-in immersion heater in outer manifold and control unit with LED matrix display, control unit white, black or grey (depending on radiator colour), cable and plug in colour of control unit
- Version with heating element IHE: With built-in immersion heater in outer manifold, without control option, control unit in white (if radiator is white) or chrome (for all other radiator surfaces).
- Version with integrated heating element RACY-S: with remote control device, incl. battery, with selectable operating modes: manual (above room temperature), weekly programme, timer, off.

| Special solution on request (surcharge)                                                             | Article number   | Price €            |
|-----------------------------------------------------------------------------------------------------|------------------|--------------------|
| ▪ Special finish to category 2 (surcharge on cat. 1)                                                | M100011640       | 146,76             |
| ▪ Special finish in Technoline (surcharge on cat. 1)                                                | See colour chart | As in Cat. 2       |
| ▪ Remote control EASY for IHC (RCE)*                                                                | 887970           | 133,38             |
| ▪ Surface in metal look: stainless-steel look (reduced output approx. 8%)                           | M100012332       | As in Cat. 1       |
| ▪ Integrated valve including thermostat; note greater height (HT = H + 175 mm, see drawing)         | -                | 361,19             |
| ▪ Side connection (both left or right); any connection size                                         | -                | 190, 99            |
| ▪ Towel hook, for attaching, set of 2, chrome                                                       | 480438           | 57,04              |
| ▪ Towel rail for hanging towels on the side (295 mm in length), for radiators of length 400, chrome | 468038           | 156,06             |
| ▪ Towel rail for hanging towels on the side (395 mm in length), for radiators of length 500, chrome | 468048           | 156,06             |
| ▪ Towel rail for hanging towels (495 mm in length), for radiators of length 600, chrome             | 468058           | 156,06             |
| ▪ Towel rail for hanging towels (795 mm in length), for radiators of length 900, chrome             | 468078           | 186,16             |
| ▪ Zehnder thermostat SH, M 30 x 1,5, white                                                          | 819080           | 38,09              |
| ▪ Zehnder thermostat SH, M 30 x 1,5, chrome                                                         | 819088           | 53,47              |
| ▪ Zehnder valves, lockshield valves and connection fittings                                         | -                | See p. 159 onwards |



Remote control EASY can be ordered as accessory for heating element IHC.

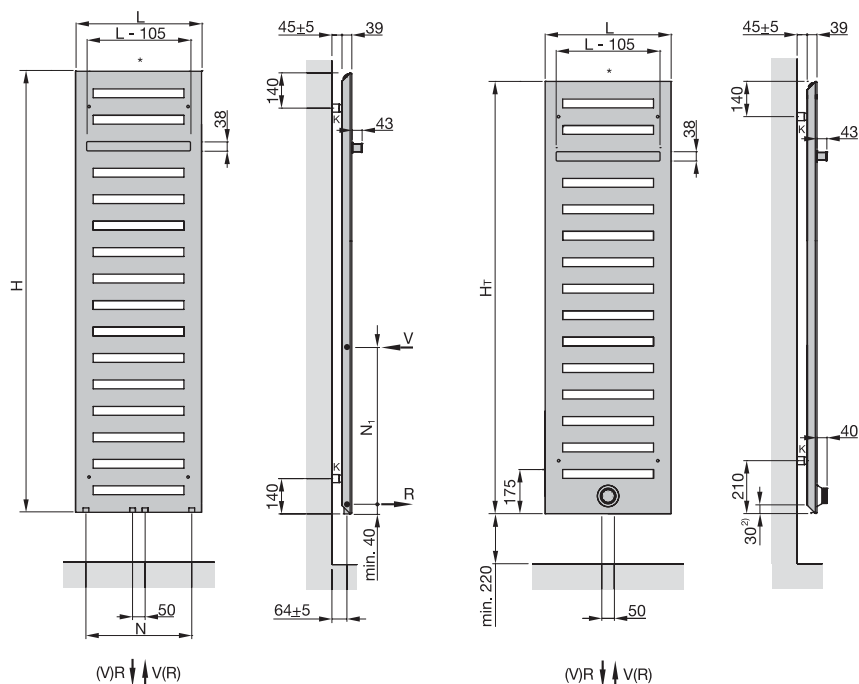


## Zehnder Metropolitan Bar

### Operation on hot water central heating system:

Wall mounting

Integrated valve (Completo)<sup>1)</sup>

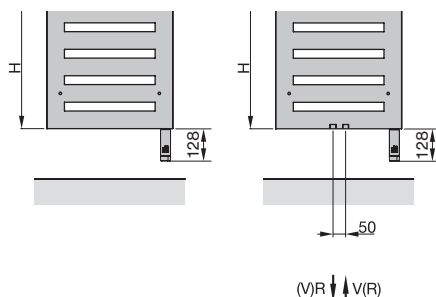


### Electric operation:

with heating element IHC

### Dual energy operation:

with heating element IHC (Factory installed)

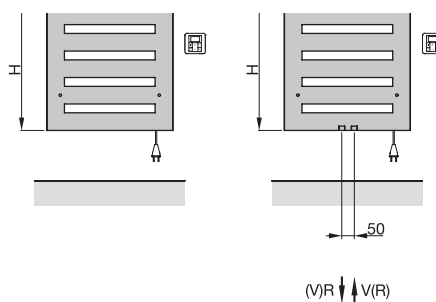


### Electric operation:

with heating element RACY-S

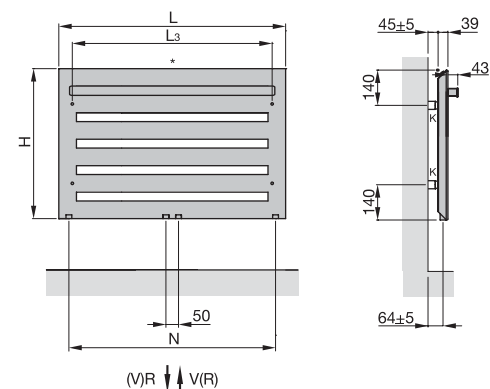
### Dual energy operation:

with heating element RACY-S (Factory installed)



### Operation on hot water central heating system:

Version for installation below windows



- H = Height
- L = Length
- L<sub>3</sub> = Fixing dimension, L - 106 mm
- K = Bracket
- V = Flow ½"
- R = Return ½"
- \* = Venting ½"
- N = Connection centre, L - 80 mm
- N<sub>1</sub> = Connection centre for side connection
- H<sub>T</sub> = Total height, H + 175 mm

Dimensions in mm

- 1) Without internal by-pass for single-tube operation, not possible with dual energy operation
- 2) Distance from bottom edge of radiator to middle of connection

## Zehnder Kazeane



Radiator colour: Black Matt

### Operation on hot water central heating system

Zehnder Kazeane decorative radiator made from vertically arranged D-profile tubes rounded at the outside, 30 x 40 mm, plus offset and diagonally arranged flat tubes, 70 x 8 mm, which wrap around the bathroom radiator like a steel band. The resulting generous cut-outs on two levels create space for hanging several towels. Additionally, one or two horizontal flat tubes, depending on height. D-profile tubes arranged at the top and side, plus square tube, 30 x 30 mm, at bottom create a functional mounting plate.

Thermal output to EN 442, with CE marking. With 4 connections at bottom, 2 x central 1/2" for flow/return, spacing 50 mm and 2 x 1/2", outside left and right, with directional air vent.

Radiator with powder coating, in colour RAL 9016 as standard, in special colour on request. Delivered ready to install with matching wall brackets and packaging.

|                       |              |
|-----------------------|--------------|
| Operating pressure    | max. 4.0 bar |
| Operating temperature | max. 110 °C  |
| Height                | ..... mm     |
| Length                | ..... mm     |
| Model                 | .....        |

### Benefits

- Individuality through exceptional design
- Many different heights at which to hang a towel
- The arrangement of the flat tubes on two levels makes it easier to hang multiple towels – ideal for families
- Inconspicuous brackets concealed behind header tube
- Ample spaces between tubes make cleaning easy



Radiator top with IHC / Radiator bottom with RACY-C

### Electric operation

Zehnder Kazeane decorative radiator, electric-only, made from vertically arranged D-profile tubes rounded at the outside, 30 x 40 mm, plus offset and diagonally arranged flat tubes, 70 x 8 mm, which wrap around the bathroom radiator like a steel band. The resulting generous cut-outs on two levels create space for hanging several towels. Also features one horizontal flat tube. D-profile tubes arranged at the top and side, plus square tube, 30 x 30 mm, at bottom create a functional mounting plate. Radiator with powder coating, in colour RAL 9016 as standard, in special colour or chrome-plated. Delivered ready to install with matching wall brackets and packaging.

### Electric operation with heating element IHC

Heating element IHC with integrated control function and modular control concept. Basic functions can be set directly on the heating element. For an even more comfortable and easy control, remote control EASY (RCE, available as accessory) or the Zehnder Connect app can be used. Control unit colour in either white, grey or black, depending on radiator colour, built-in on right collector tube. Connection cable and plug in radiator colour, protection class IP54.

### Electric operation with heating element IHE

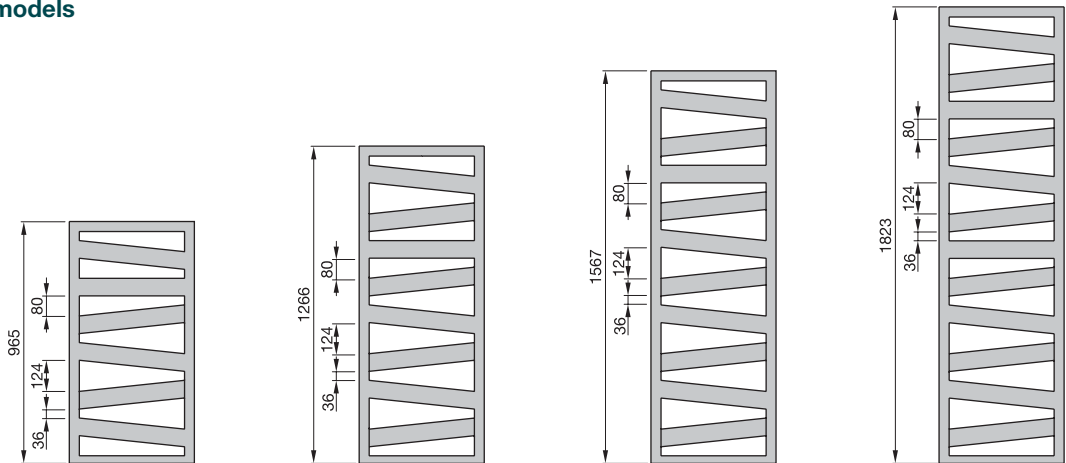
Heating element IHE (without control function) for application in combination with on-site control (e. g. BMS systems). Control unit colour either white or chrome, depending on radiator colour, built-in on right collector tube. Connection cable with Schuko plug in white or grey, protection class IP65.

### Electric operation with heating element RACY-C

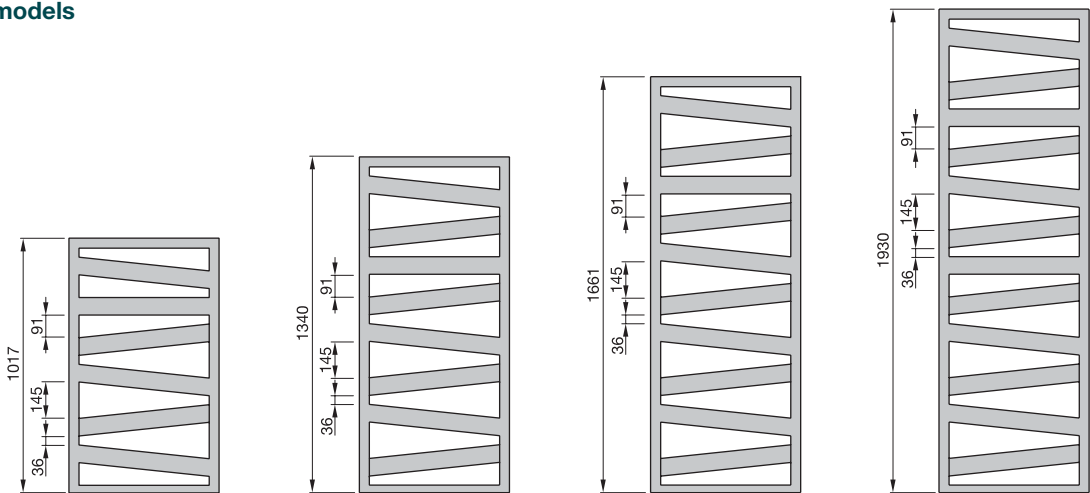
Heating element RACY-C, degree of protection IP44 (splash-proof), with Euro plug, installation at bottom left., cover in radiator colour. Separate, battery-operated remote control device model 2 for controlling the room temperature.

# Zehnder Kazeane

## Overview of models Length 500



## Overview of models Length 600



# Zehnder Kazeane

## Connection to hot water central heating system

| Model | H<br>mm | L<br>mm | Thermal output           |               |               |               | Exp.<br>n | Classification<br>Electric heating<br>element<br>Watt | V<br>dm <sup>3</sup> | M<br>kg | Price<br>RAL 9016<br>€ | Price <sup>①</sup><br>Cat. 1<br>€ |
|-------|---------|---------|--------------------------|---------------|---------------|---------------|-----------|-------------------------------------------------------|----------------------|---------|------------------------|-----------------------------------|
|       |         |         | EN 442 <sup>②</sup><br>W | 70/55/24<br>W | 55/45/24<br>W | 55/45/20<br>W |           |                                                       |                      |         |                        |                                   |

### Painted version

|            |      |     |     |     |     |     |      |     |     |      |        |        |
|------------|------|-----|-----|-----|-----|-----|------|-----|-----|------|--------|--------|
| RK-100-050 | 965  | 500 | 398 | 284 | 175 | 210 | 1,24 | 300 | 3,4 | 8,4  | 337,09 | 421,36 |
| RK-130-050 | 1266 | 500 | 509 | 364 | 224 | 268 | 1,24 | 300 | 4,1 | 10,7 | 403,29 | 504,11 |
| RK-160-050 | 1567 | 500 | 621 | 445 | 275 | 329 | 1,23 | 600 | 4,8 | 13,1 | 468,97 | 575,93 |
| RK-180-050 | 1823 | 500 | 723 | 515 | 316 | 379 | 1,25 | 600 | 5,7 | 15,1 | 517,93 | 647,42 |
| RK-100-060 | 1017 | 600 | 473 | 337 | 206 | 248 | 1,25 | 300 | 3,8 | 9,9  | 380,75 | 475,93 |
| RK-130-060 | 1340 | 600 | 608 | 435 | 267 | 320 | 1,24 | 600 | 4,6 | 12,6 | 453,13 | 566,41 |
| RK-170-060 | 1661 | 600 | 743 | 531 | 327 | 391 | 1,24 | 600 | 5,4 | 15,4 | 534,53 | 657,38 |
| RK-190-060 | 1930 | 600 | 847 | 604 | 370 | 444 | 1,25 | 600 | 6,5 | 18,0 | 587,90 | 734,87 |

| Model | H<br>mm | L<br>mm | Thermal output           |               |               |               | Exp.<br>n | Classification<br>Electric heating<br>element<br>Watt | V<br>dm <sup>3</sup> | M<br>kg | Price<br>Chrome<br>€ |
|-------|---------|---------|--------------------------|---------------|---------------|---------------|-----------|-------------------------------------------------------|----------------------|---------|----------------------|
|       |         |         | EN 442 <sup>②</sup><br>W | 70/55/24<br>W | 55/45/24<br>W | 55/45/20<br>W |           |                                                       |                      |         |                      |

### Chrome-plated version

|             |      |     |     |     |     |     |      |     |     |      |          |
|-------------|------|-----|-----|-----|-----|-----|------|-----|-----|------|----------|
| RKC-100-050 | 965  | 500 | 261 | 187 | 114 | 137 | 1,27 | -   | 3,4 | 8,5  | 1.334,79 |
| RKC-130-050 | 1266 | 500 | 327 | 235 | 142 | 171 | 1,27 | 300 | 4,1 | 10,8 | 1.485,05 |
| RKC-160-050 | 1567 | 500 | 393 | 282 | 171 | 205 | 1,28 | 300 | 4,8 | 13,1 | 1.730,12 |
| RKC-180-050 | 1823 | 500 | 461 | 330 | 199 | 240 | 1,28 | 300 | 5,7 | 15,4 | 1.959,16 |
| RKC-100-060 | 1017 | 600 | 304 | 218 | 132 | 158 | 1,28 | 300 | 3,8 | 10,0 | 1.377,10 |
| RKC-130-060 | 1340 | 600 | 386 | 277 | 168 | 201 | 1,27 | 300 | 4,6 | 12,7 | 1.590,07 |
| RKC-170-060 | 1661 | 600 | 468 | 336 | 204 | 245 | 1,27 | 300 | 5,4 | 15,4 | 1.805,99 |
| RKC-190-060 | 1930 | 600 | 544 | 390 | 236 | 283 | 1,28 | 300 | 6,5 | 17,9 | 2.020,42 |



## Electric-only operation with new electric platform

| Model | H*<br>mm | L<br>mm | Classification<br>Electric heating<br>element<br>Watt | Price RAL 9016<br>€        |                            | Price Cat. 1 <sup>①</sup><br>€ |                            |
|-------|----------|---------|-------------------------------------------------------|----------------------------|----------------------------|--------------------------------|----------------------------|
|       |          |         |                                                       | Heating element<br>IHC (C) | Heating element<br>IHE (A) | Heating element<br>IHC (C)     | Heating element<br>IHE (A) |

### Painted version

|                 |      |     |     |        |        |          |        |
|-----------------|------|-----|-----|--------|--------|----------|--------|
| RKZSS130050E_ZD | 1266 | 500 | 500 | 840,85 | 578,38 | 1.051,07 | 722,97 |
| RKZSS160050E_ZD | 1567 | 500 | 600 | 919,52 | 647,38 | 1.149,40 | 809,22 |
| RKZSS130060E_ZD | 1340 | 600 | 600 | 914,88 | 643,74 | 1.143,60 | 804,68 |
| RKZSS170060E_ZD | 1661 | 600 | 750 | 991,01 | 726,57 | 1.238,76 | 908,21 |

| Model | H*<br>mm | L<br>mm | Classification<br>Electric heating<br>element<br>Watt | Price Chrome<br>€          |                        |
|-------|----------|---------|-------------------------------------------------------|----------------------------|------------------------|
|       |          |         |                                                       | Heating element<br>IHC (C) | Heating element<br>IHE |

### Chrome-plated version

|                 |      |     |     |          |          |
|-----------------|------|-----|-----|----------|----------|
| RKZCS130050E_ZD | 1266 | 500 | 300 | 2.059,81 | 1.914,54 |
| RKZCS160050E_ZD | 1567 | 500 | 300 | 2.357,41 | 2.212,14 |
| RKZCS130060E_ZD | 1340 | 600 | 300 | 2.390,97 | 2.245,70 |
| RKZCS170060E_ZD | 1661 | 600 | 500 | 2.802,34 | 2.657,07 |

\*Total height w/o heating element. For IHC +128 mm, for IHE +50 mm.

① For special colours in categories 1 and 2, see “Special solutions” and “Colour chart”

② Thermal output to EN 442, ΔT 50 K (75/65/20°C)

For legend, see “Electric operation and Ecodesign Directive” on page 166

## Zehnder Kazeane

### Electric-only operation



| Model | H  | L  | Classification<br>Electric heating<br>element<br>Watt | Price<br>RAL 9016<br>€ | Price <sup>①</sup><br>Cat. 1<br>€ |
|-------|----|----|-------------------------------------------------------|------------------------|-----------------------------------|
|       | mm | mm |                                                       |                        |                                   |

| Painted version |      |     |     |        |          |
|-----------------|------|-----|-----|--------|----------|
| RK-130-050/GD   | 1291 | 500 | 500 | 840,85 | 1.051,07 |
| RK-160-050/GD   | 1592 | 500 | 600 | 933,66 | 1.167,08 |
| RK-130-060/GD   | 1365 | 600 | 600 | 914,88 | 1.143,60 |
| RK-170-060/GD   | 1686 | 600 | 750 | 991,01 | 1.238,76 |

| Model | H* | L  | Classification<br>Electric heating<br>element<br>Watt | Price<br>Chrome<br>€ |
|-------|----|----|-------------------------------------------------------|----------------------|
|       | mm | mm |                                                       |                      |

| Chrome-plated version |      |     |     |          |
|-----------------------|------|-----|-----|----------|
| RKC-130-050/GD        | 1291 | 500 | 300 | 2.059,81 |
| RKC-160-050/GD        | 1592 | 500 | 300 | 2.357,41 |
| RKC-130-060/GD        | 1365 | 600 | 300 | 2.390,97 |
| RKC-170-060/GD        | 1686 | 600 | 500 | 2.802,34 |

\*Total height incl. electric heating element

#### Standard scope of delivery for operation on hot water central heating system

- Powder coating to DIN 55900, RAL 9016
- 4 x ½" connections for flow, return
- ½" directional air vent
- Mounting accessories in colour of radiator
- Packaging

#### Standard scope of delivery for electric operation

- Powder coating to DIN 55900, RAL 9016
- Filled with heat transfer fluid
- Mounting accessories in colour of radiator
- Packaging
- Version with heating element IHC: With built-in immersion heater in outer manifold and control unit with LED matrix display, control unit white, black or grey (depending on radiator colour), cable and plug in colour of control unit
- Version with heating element IHE: With built-in immersion heater in outer manifold, without control option, control unit in white (if radiator is white) or chrome (for all other radiator surfaces).
- Version with integrated heating element RACY-C: with remote control device, incl. battery, with selectable operating modes: manual (above room temperature), weekly programme, timer, off.

| Special solution on request (surcharge)                                   | Article number | Price €            |
|---------------------------------------------------------------------------|----------------|--------------------|
| ▪ Special finish to category 2 (surcharge on cat. 1)                      | M100011640     | 146,76             |
| ▪ Remote control EASY for IHC (RCE)*                                      | 887970         | 133,38             |
| ▪ Surface in metal look: stainless-steel look (reduced output approx. 8%) | M100012332     | As in Cat. 1       |
| ▪ Towel hook, for attaching, set of 2, chrome                             | 480438         | 57,04              |
| ▪ Zehnder valves, lockshield valves and connection fittings               | -              | See p. 159 onwards |



Remote control EASY can be ordered as accessory for heating element IHC.

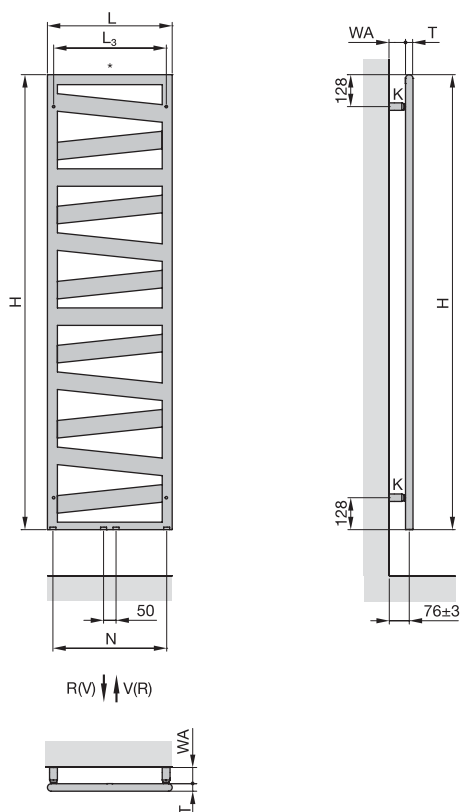
① For special colours in categories 1 and 2, see "Special solutions" and "Colour chart"

③ Thermal output to EN 442, ΔT 50 K (75/65/20°C)

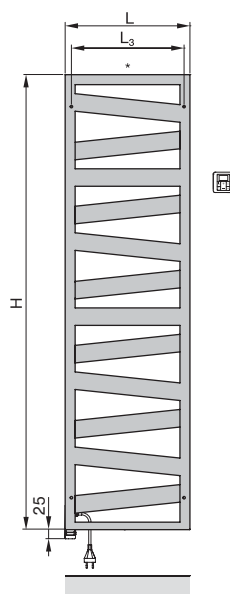
For legend, see "Electric operation and Ecodesign Directive" on page 166

## Zehnder Kazeane

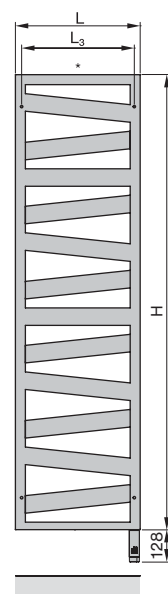
### Operation on hot water central heating system: Wall mounting



### Electric operation: with heating element RACY-C

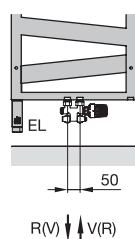


### Electric operation: with heating element IHC



### Dual energy operation:

Connection to hot water central heating  
system with electric heating element  
(fig. with IHC, to be ordered separately)



- H = Height
- L = Length
- T = Depth = 30 mm
- K = Bracket
- WA = Wall clearance = 61±3 mm
- V = Flow ½"
- R = Return ½"
- N = Connection centre, L - 44 mm
- L3 = Fixing dimension, L - 49 mm

Dimensions in mm

## Zehnder Quaro



Radiator colour: Volcanic

### Operation on hot water central heating system

Zehnder Quaro decorative radiator made from horizontally arranged precision steel tubes with surrounding square tubes, fully welded, invisible welds due to laser welding technology. Square tubes 25 x 25 mm, regularly arranged in the frame of square 30 x 30 mm tube. Thermal output tested to EN 442, with CE marking. With recessed connections on lower square tube, central 1/2" for flow/return, connection centre 50 mm and outside left and right 1/2" for electric heating element, with directional air vent. Connections for dual energy operation: Flow/return 2 x 1/2" at bottom centre, spacing 50 mm and factory integrated electric heating element RACY-S, bottom right, with separate remote control device model 2. Radiator with powder coating, in colour RAL 9016 as standard, in special colour, chrome or version in brushed V4A stainless steel on request. Delivered ready to install with matching wall brackets and packaging. Room divider version: Radiator without attachment welded at back for wall bracket, incl. room divider mounting set.

|                                                         |               |
|---------------------------------------------------------|---------------|
| Operating pressure                                      | max. 10.0 bar |
| Hot water central heating system operating temperature  | max. 110 °C   |
| Dual energy operation operating temperature (model QAM) | max. 95 °C    |
| Height                                                  | ..... mm      |
| Length                                                  | ..... mm      |
| Model                                                   | .....         |

### Benefits

- Geometric clarity with consistent look
- Many different heights at which to hang a towel
- Hygienic and easy to clean
- Discreetly concealed brackets
- Also available as room divider version
- Dual energy operation: electric heating element RACY-S integrated elegantly



Radiator colour: Traffic White, with heating element IHC

### Electric operation

Zehnder Quaro decorative radiator, electric-only, made from horizontally arranged precision steel tubes with surrounding square tubes, fully welded, invisible welds due to laser welding technology. Standard version with powder coating, in colour RAL 9016, special colour, chrome or version in brushed V4A stainless steel on request. Filled with heat transfer fluid. Delivered ready to install with elegant wall brackets.

### Electric operation with heating element IHC

Heating element IHC with integrated control function and modular control concept. Basic functions can be set directly on the heating element. For an even more comfortable and easy control, remote control EASY (RCE, available as accessory) or the Zehnder Connect app can be used. Control unit colour in either white, grey or black, depending on radiator colour, built-in on right collector tube. Connection cable an plug in radiator colour, protection class IP54.

### Electric operation with heating element IHE

Heating element IHE (without control function) for application in combination with on-site control (e. g. BMS systems). Control unit colour either white or chrome, depending on radiator colour, built-in on right collector tube. Connection cable with Schuko plug in white or grey, protection class IP65.

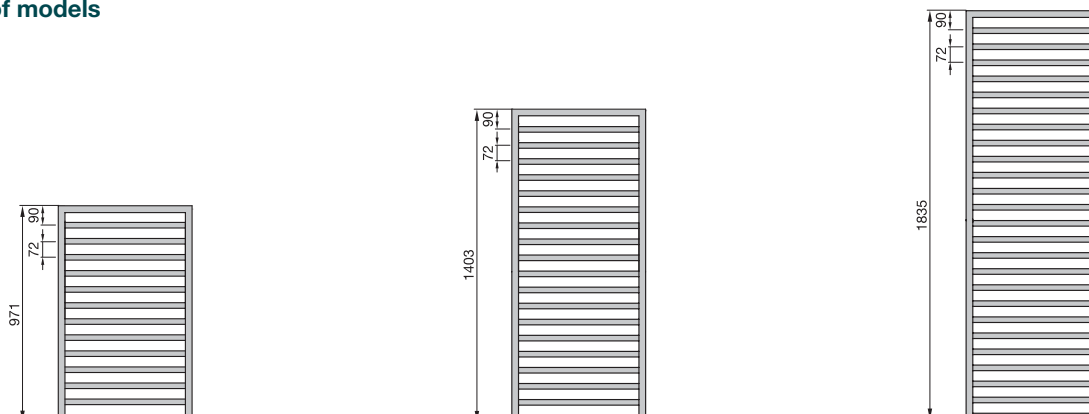
### Electric operation with heating element RACY-S

Heating element RACY-S, degree of protection IP44 (splash-proof), with Euro plug, installation at bottom left, cover in radiator colour. Separate, battery-operated remote control device model 2 for controlling the room temperature.



## Zehnder Quaro

### Overview of models



### Connection to hot water central heating system

| Model | H<br>mm | L<br>mm | Thermal output           |               |               |               | Exp.<br>n | Classification<br>Electric heating<br>element<br>Watt | V<br>dm <sup>3</sup> | M<br>kg | Price<br>RAL 9016<br>€ | Price <sup>①</sup><br>Cat. 1<br>€ |
|-------|---------|---------|--------------------------|---------------|---------------|---------------|-----------|-------------------------------------------------------|----------------------|---------|------------------------|-----------------------------------|
|       |         |         | EN 442 <sup>③</sup><br>W | 70/55/24<br>W | 55/45/24<br>W | 55/45/20<br>W |           |                                                       |                      |         |                        |                                   |

| Painted version |      |     |     |     |     |     |      |     |      |      |          |          |
|-----------------|------|-----|-----|-----|-----|-----|------|-----|------|------|----------|----------|
| QA-100-030      | 971  | 300 | 299 | 214 | 131 | 158 | 1,24 | 300 | 3,3  | 5,7  | 656,79   | 820,98   |
| QA-140-030      | 1403 | 300 | 421 | 301 | 185 | 222 | 1,24 | 300 | 4,7  | 7,9  | 689,98   | 862,47   |
| QA-180-030      | 1835 | 300 | 543 | 389 | 240 | 288 | 1,23 | 300 | 6,0  | 10,1 | 917,18   | 1.146,47 |
| QA-100-045      | 971  | 450 | 420 | 300 | 185 | 221 | 1,24 | 300 | 4,4  | 7,8  | 694,94   | 868,67   |
| QA-140-045      | 1403 | 450 | 590 | 423 | 261 | 312 | 1,23 | 500 | 6,3  | 10,6 | 729,79   | 912,24   |
| QA-180-045      | 1835 | 450 | 761 | 545 | 337 | 403 | 1,23 | 600 | 8,1  | 13,8 | 965,27   | 1.206,60 |
| QA-100-060      | 971  | 600 | 533 | 382 | 236 | 282 | 1,23 | 300 | 5,5  | 9,8  | 733,07   | 916,35   |
| QA-140-060      | 1403 | 600 | 749 | 537 | 331 | 397 | 1,23 | 600 | 7,9  | 13,4 | 771,21   | 964,03   |
| QA-180-060      | 1835 | 600 | 966 | 692 | 427 | 512 | 1,23 | 900 | 10,2 | 17,0 | 1.015,03 | 1.268,79 |

| Model | H<br>mm | L<br>mm | Thermal output           |               |               |               | Exp.<br>n | Classification<br>Electric heating<br>element<br>Watt | V<br>dm <sup>3</sup> | M<br>kg | Price<br>Chrome<br>€ |
|-------|---------|---------|--------------------------|---------------|---------------|---------------|-----------|-------------------------------------------------------|----------------------|---------|----------------------|
|       |         |         | EN 442 <sup>③</sup><br>W | 70/55/24<br>W | 55/45/24<br>W | 55/45/20<br>W |           |                                                       |                      |         |                      |

| Chrome-plated version |      |     |     |     |     |     |      |     |      |      |          |
|-----------------------|------|-----|-----|-----|-----|-----|------|-----|------|------|----------|
| QAC-100-030           | 971  | 300 | 189 | 133 | 80  | 97  | 1,30 | -   | 3,3  | 5,8  | 1.378,28 |
| QAC-140-030           | 1403 | 300 | 270 | 190 | 114 | 138 | 1,30 | 300 | 4,7  | 7,6  | 1.449,58 |
| QAC-180-030           | 1835 | 300 | 348 | 245 | 147 | 178 | 1,30 | 300 | 6,0  | 10,3 | 1.917,28 |
| QAC-100-045           | 971  | 450 | 267 | 188 | 114 | 137 | 1,29 | 300 | 4,4  | 7,9  | 1.456,23 |
| QAC-140-045           | 1403 | 450 | 381 | 269 | 162 | 196 | 1,29 | 300 | 6,3  | 10,2 | 1.530,86 |
| QAC-180-045           | 1835 | 450 | 491 | 345 | 207 | 252 | 1,29 | 300 | 8,1  | 13,8 | 2.023,44 |
| QAC-100-060           | 971  | 600 | 341 | 241 | 146 | 176 | 1,28 | 300 | 5,5  | 10,0 | 1.534,17 |
| QAC-140-060           | 1403 | 600 | 486 | 343 | 207 | 250 | 1,29 | 300 | 7,9  | 12,9 | 1.613,77 |
| QAC-180-060           | 1835 | 600 | 627 | 442 | 267 | 322 | 1,29 | 600 | 10,2 | 17,2 | 2.129,60 |

① For special colours in categories 1 and 2, see “Special solutions” and “Colour chart”

③ Thermal output to EN 442, ΔT 50 K (75/65/20°C)

# Zehnder Quaro

## Connection to hot water central heating system

| Model                   | H    | L   | EN 442 <sup>③</sup><br>W | Thermal output |               |               | Exp.<br>n | Classification<br>Electric heating<br>element<br>Watt | V    | M    | Price                |
|-------------------------|------|-----|--------------------------|----------------|---------------|---------------|-----------|-------------------------------------------------------|------|------|----------------------|
|                         | mm   | mm  |                          | 70/55/24<br>W  | 55/45/24<br>W | 55/45/20<br>W |           |                                                       | dm³  | kg   | Stainless steel<br>€ |
| Stainless-steel version |      |     |                          |                |               |               |           |                                                       |      |      |                      |
| QAI-100-030             | 971  | 300 | 229                      | 162            | 99            | 119           | 1,27      | -                                                     | 3,3  | 6,0  | 1.708,33             |
| QAI-140-030             | 1403 | 300 | 321                      | 228            | 138           | 167           | 1,27      | 300                                                   | 4,7  | 8,3  | 1.799,53             |
| QAI-180-030             | 1835 | 300 | 415                      | 294            | 179           | 215           | 1,27      | 300                                                   | 6,2  | 10,6 | 2.580,71             |
| QAI-100-045             | 971  | 450 | 321                      | 228            | 139           | 167           | 1,26      | 300                                                   | 4,5  | 7,8  | 1.824,39             |
| QAI-140-045             | 1403 | 450 | 450                      | 320            | 195           | 235           | 1,26      | 300                                                   | 6,3  | 10,8 | 1.920,60             |
| QAI-180-045             | 1835 | 450 | 581                      | 413            | 252           | 303           | 1,26      | 300                                                   | 8,1  | 13,8 | 2.749,89             |
| QAI-100-060             | 971  | 600 | 407                      | 289            | 176           | 212           | 1,26      | 300                                                   | 5,7  | 9,6  | 1.938,84             |
| QAI-140-060             | 1403 | 600 | 572                      | 407            | 248           | 298           | 1,26      | 300                                                   | 7,9  | 13,3 | 2.040,01             |
| QAI-180-060             | 1835 | 600 | 738                      | 525            | 320           | 385           | 1,26      | 600                                                   | 10,2 | 17,0 | 2.919,06             |



## Connection for dual energy operation with integrated electric heating element

| Model           | H <sup>④</sup> | L   | Thermal output           |               |               |               | Exp. | Classification<br>Electric heating<br>element<br>Watt | V    | M    | Price<br>RAL 9016 | Price <sup>①</sup><br>Cat. 1 |
|-----------------|----------------|-----|--------------------------|---------------|---------------|---------------|------|-------------------------------------------------------|------|------|-------------------|------------------------------|
|                 | mm             |     | EN 442 <sup>③</sup><br>W | 70/55/24<br>W | 55/45/24<br>W | 55/45/20<br>W |      |                                                       |      |      |                   |                              |
| Painted version |                |     |                          |               |               |               |      |                                                       |      |      |                   |                              |
| QAM-100-045/GD  | 1001           | 450 | 420                      | 300           | 185           | 222           | 1,23 | 300                                                   | 4,4  | 7,8  | 1.204,11          | 1.384,73                     |
| QAM-140-045/GD  | 1433           | 450 | 590                      | 423           | 261           | 312           | 1,23 | 500                                                   | 6,3  | 10,6 | 1.302,01          | 1.497,30                     |
| QAM-180-045/GD  | 1865           | 450 | 761                      | 545           | 337           | 403           | 1,23 | 600                                                   | 8,1  | 13,8 | 1.539,14          | 1.770,01                     |
| QAM-140-060/GD  | 1433           | 600 | 749                      | 537           | 331           | 397           | 1,23 | 600                                                   | 7,9  | 13,4 | 1.418,07          | 1.630,78                     |
| QAM-180-060/GD  | 1865           | 600 | 966                      | 692           | 427           | 512           | 1,23 | 900                                                   | 10,2 | 17,0 | 1.597,19          | 1.836,78                     |

| Model                 | H <sup>④</sup>      | L   | Thermal output |          |          |     | Exp. | Classification<br>Electric heating<br>element<br>Watt | V               | M    | Price<br>Chrome<br>€ |
|-----------------------|---------------------|-----|----------------|----------|----------|-----|------|-------------------------------------------------------|-----------------|------|----------------------|
|                       | EN 442 <sup>③</sup> |     | 70/55/24       | 55/45/24 | 55/45/20 | W   |      |                                                       |                 |      |                      |
|                       | mm                  | mm  | W              | W        | W        | W   | n    |                                                       | dm <sup>3</sup> | kg   |                      |
| Chrome-plated version |                     |     |                |          |          |     |      |                                                       |                 |      |                      |
| QAMC-140-045/GD       | 1433                | 450 | 381            | 269      | 162      | 196 | 1,29 | 300                                                   | 6,3             | 10,8 | 2.688,51             |
| QAMC-180-045/GD       | 1865                | 450 | 491            | 345      | 207      | 252 | 1,29 | 300                                                   | 8,1             | 13,8 | 3.199,33             |
| QAMC-140-060/GD       | 1433                | 600 | 486            | 343      | 207      | 250 | 1,29 | 300                                                   | 7,9             | 13,3 | 2.967,15             |
| QAMC-180-060/GD       | 1865                | 600 | 627            | 442      | 267      | 322 | 1,29 | 600                                                   | 10,2            | 17,0 | 3.327,05             |

① For special colours in categories 1 and 2, see “Special solutions” and “Colour chart”

③ Thermal output to EN 442, ΔT 50 K (75/65/20°C)

④ Total height incl. electric heating element

For legend, see “Electric operation and Ecodesign Directive” on page 166

# Zehnder Quaro



## Electric-only operation with new electric platform

| Model           | H <sup>Ⓢ</sup> | L   | Classification<br>Electric heating<br>element<br>Watt | Price RAL 9016<br>€                                                                                          |                            | Price Cat. 1 <sup>Ⓢ</sup><br>€                                                                               |                            |
|-----------------|----------------|-----|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------|
|                 | mm             | mm  |                                                       | Heating element<br>IHC (C)  | Heating element<br>IHE (A) | Heating element<br>IHC (C)  | Heating element<br>IHE (A) |
| Painted version |                |     |                                                       |                                                                                                              |                            |                                                                                                              |                            |
| QAZSS100040E_ZD | 971            | 450 | 400                                                   | 1.098,18                                                                                                     | 861,97                     | 1.297,97                                                                                                     | 1.053,07                   |
| QAZSS140045E_ZD | 1403           | 450 | 600                                                   | 1.149,76                                                                                                     | 900,31                     | 1.359,58                                                                                                     | 1.101,00                   |
| QAZSS180045E_ZD | 1835           | 450 | 900                                                   | 1.426,31                                                                                                     | 1.169,50                   | 1.703,84                                                                                                     | 1.434,96                   |
| QAZSS140060E_ZD | 1403           | 600 | 600                                                   | 1.197,39                                                                                                     | 945,87                     | 1.419,13                                                                                                     | 1.157,97                   |
| QAZSS180060E_ZD | 1835           | 600 | 900                                                   | 1.483,53                                                                                                     | 1.224,23                   | 1.775,36                                                                                                     | 1.503,37                   |

| Model                 | H <sup>Ⓢ</sup> | L   | Classification<br>Electric heating<br>element<br>Watt | Price Chrome<br>€                                                                                            |                            |
|-----------------------|----------------|-----|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------|
|                       | mm             | mm  |                                                       | Heating element<br>IHC (C)  | Heating element<br>IHE (A) |
| Chrome-plated version |                |     |                                                       |                                                                                                              |                            |
| QAZCS140045E_ZD       | 1403           | 450 | 400                                                   | 2.070,99                                                                                                     | 1.793,95                   |
| QAZCS180045E_ZD       | 1835           | 450 | 900                                                   | 2.643,21                                                                                                     | 2.335,78                   |
| QAZCS140060E_ZD       | 1403           | 600 | 600                                                   | 2.166,34                                                                                                     | 1.885,15                   |
| QAZCS180060E_ZD       | 1835           | 600 | 900                                                   | 2.765,29                                                                                                     | 2.463,56                   |



## Electric-only operation

| Model           | H    | L   | Classification<br>Electric heating<br>element<br>Watt | Price<br>RAL 9016<br>€ | Price <sup>①</sup><br>Cat. 1<br>€ |
|-----------------|------|-----|-------------------------------------------------------|------------------------|-----------------------------------|
|                 | mm   | mm  |                                                       |                        |                                   |
| Painted version |      |     |                                                       |                        |                                   |
| QAE-100-045/GD  | 1001 | 450 | 300                                                   | 1.204,11               | 1.384,73                          |
| QAE-140-045/GD  | 1433 | 450 | 500                                                   | 1.302,01               | 1.497,30                          |
| QAE-180-045/GD  | 1865 | 450 | 600                                                   | 1.539,14               | 1.770,01                          |
| QAE-140-060/GD  | 1433 | 600 | 600                                                   | 1.418,07               | 1.630,78                          |
| QAE-180-060/GD  | 1865 | 600 | 900                                                   | 1.597,19               | 1.836,78                          |

| Model                 | H    | L   | Classification<br>Electric heating<br>element<br>Watt | Price<br>Chrome<br>€ |
|-----------------------|------|-----|-------------------------------------------------------|----------------------|
|                       | mm   | mm  |                                                       |                      |
| Chrome-plated version |      |     |                                                       |                      |
| QAEC-140-045/GD       | 1433 | 450 | 300                                                   | 2.688,51             |
| QAEC-180-045/GD       | 1865 | 450 | 300                                                   | 3.199,33             |
| QAEC-140-060/GD       | 1433 | 600 | 300                                                   | 2.967,15             |
| QAEC-180-060/GD       | 1865 | 600 | 600                                                   | 3.327,05             |

① For special colours in categories 1 and 2, see “Special solutions” and “Colour chart”

② Total height w/o heating element. For IHC +128 mm, for IHE +50 mm.

For legend, see “Electric operation and Ecodesign Directive” on page 166

## Zehnder Quaro

### Standard scope of delivery for operation on hot water central heating system

- Powder coating to DIN 55900, RAL 9016
- 4 x ½" connections, connection centre 50 mm female thread for flow/return and electric heating element (on site) on left or right
- Dual energy operation: Electric heating element RACY-S, pre-assembled on the right, with remote control device, incl. batteries, with selectable operating modes: manual (above room temperature), weekly programme, timer, off. Electric heating element cover in colour of radiator
- Designer directional air vent, chrome ½"
- Mounting accessories in colour of radiator
- Packaging

### Standard scope of delivery for electric operation

- Powder coating to DIN 55900, RAL 9016
- Filled with heat transfer fluid
- Mounting accessories and electric heating element control box cover in colour of radiator
- Packaging
- Version with heating element IHC: With built-in immersion heater in outer manifold and control unit with LED matrix display, control unit white, black or grey (depending on radiator colour), cable and plug in colour of control unit
- Version with heating element IHE: With built-in immersion heater in outer manifold, without control option, control unit in white (if radiator is white) or chrome (for all other radiator surfaces).
- Version with integrated heating element RACY-S: with remote control device, incl. battery, with selectable operating modes: manual (above room temperature), weekly programme, timer, off.

| Special solution on request (surcharge)                                                           | Article number | Price €            |
|---------------------------------------------------------------------------------------------------|----------------|--------------------|
| ▪ Special finish to category 2 (surcharge on cat. 1)                                              | QA00011640     | 146,76             |
| ▪ Remote control EASY for IHC (RCE)*                                                              | 887970         | 133,38             |
| ▪ Room divider version with two wall brackets and foot support, white, chrome, special colour     | -              | 257,07             |
| ▪ Room divider version with two wall brackets without foot support, white, chrome, special colour | -              | 199,02             |
| ▪ Models for electric operation in room divider version                                           | -              | On request         |
| ▪ Zehnder valves, lockshield valves and connection fittings                                       | -              | See p. 159 onwards |



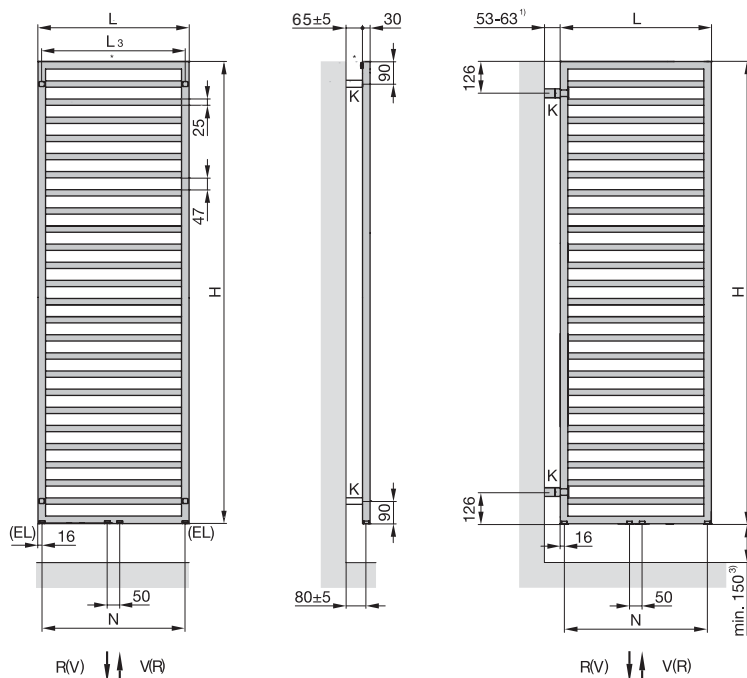
Remote control EASY can be ordered as accessory for heating element IHC.

## Zehnder Quaro

### Operation on hot water central heating system:

Wall mounting  
(with attached welded brackets)

Room divider installation  
(special version without attached welded brackets in)<sup>2)</sup>



- H = Height
- L = Length
- EL = Connection for electric heating element
- K = Bracket
- V = Flow ½"
- R = Return ½"
- \* = Venting ½"
- N = Connection centre
- L<sub>3</sub> = Fixing dimension, L - 30 mm

Dimensions in mm

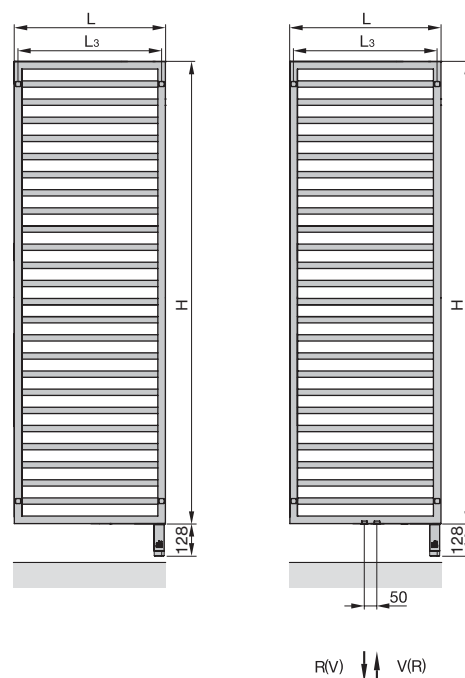
- 1) Lengthening possible with brackets for larger wall clearance
- 2) The standard version of the radiator is not suitable for room divider installation
- 3) Max. 170 mm for installation with foot support in standard length

### Electric operation:

with heating element IHC

### Dual-energy operation:

with heating element IHC  
(to be ordered separately)

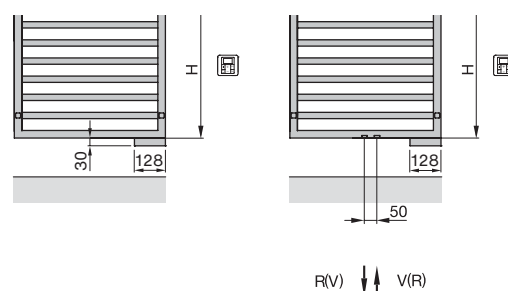


### Electric operation:

with heating element  
RACY-S

### Dual-energy operation:

with heating element  
RACY-S  
(Factory installed)



# Zehnder Subway



Radiator surface: Chrome



Radiator top with IHE / Radiator bottom with RACY-S

## Operation on hot water central heating system

Zehnder Subway decorative radiator made from horizontally arranged precision steel tubes with surrounding square tubes, fully welded, invisible welds due to laser welding technology. Round tubes Ø 23 mm, regularly arranged in the frame of square 30 x 30 mm tube. Thermal output tested to EN 442, with CE marking. With recessed connections on lower square tube, central ½" for flow/return, connection centre 50 mm and outside left and right ½" for electric heating element, with directional air vent. Connections for dual energy operation: Flow/return 2 x ½" at bottom centre, spacing 50 mm and factory integrated electric heating element RACY-S, bottom right, with separate remote control device model 2. Radiator with powder coating, in colour RAL 9016 as standard, in special colour, chrome or version in brushed V4A stainless steel on request. Delivered ready to install with matching wall brackets and packaging. Room divider version: Radiator without threaded bolts for wall bracket, incl. room divider mounting set.

|                                                          |               |
|----------------------------------------------------------|---------------|
| Operating pressure                                       | max. 10.0 bar |
| Hot water central heating system operating temperature   | max. 110 °C   |
| Dual energy operation operating temperature (model SUBM) | max. 95 °C    |
| Height                                                   | ..... mm      |
| Length                                                   | ..... mm      |
| Model                                                    | .....         |

## Benefits

- Classic design
- Outside frame lends geometric look
- Generous spacing to hang towels
- Variant in brushed stainless steel
- Also available as room divider version
- Special 150 mm connection available
- Extra model for use as guest WC radiator
- Dual energy operation: electric heating element RACY-S integrated elegantly

## Electric operation

Zehnder Subway decorative radiator, electric-only, made from horizontally arranged precision steel tubes with surrounding square tubes, fully welded, invisible welds due to laser welding technology. Standard version with powder coating, in colour RAL 9016, special colour, chrome or version in brushed V4A stainless steel on request. Filled with heat transfer fluid. Delivered ready to install with elegant wall brackets.

### Electric operation with heating element IHC

Heating element IHC with integrated control function and modular control concept. Basic functions can be set directly on the heating element. For an even more comfortable and easy control, remote control EASY (RCE, available as accessory) or the Zehnder Connect app can be used. Control unit colour in either white, grey or black, depending on radiator colour, built-in on outer collector tube. Connection cable an plug in radiator colour, protection class IP54.

### Electric operation with heating element IHE

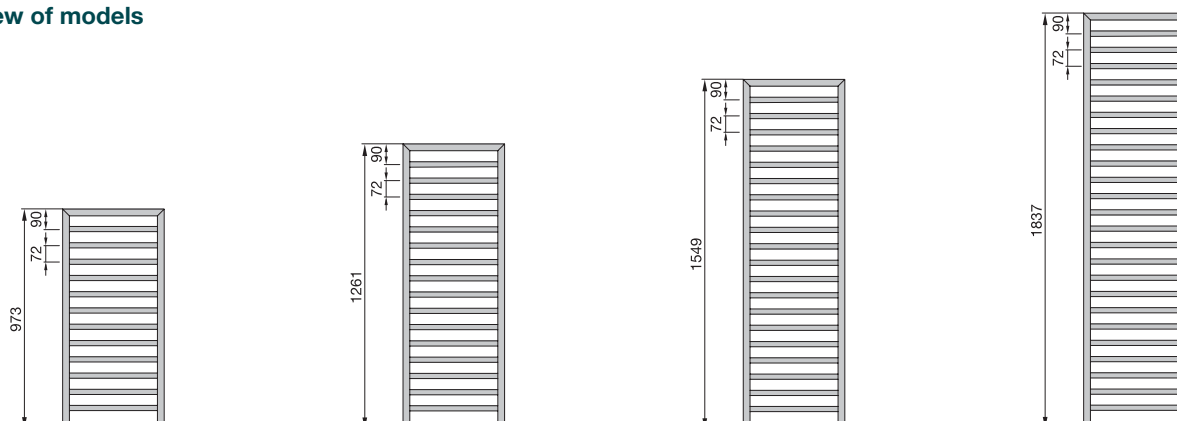
Heating element IHE (without control function) for application in combination with on-site control (e. g. BMS systems). Control unit colour either white or chrome, depending on radiator colour, built-in on outer collector tube. Connection cable with Schuko plug in white or grey, protection class IP65.

### Electric operation with heating element RACY-S

Heating element RACY-S, degree of protection IP44 (splash-proof), with Euro plug, installation at bottom left., cover in radiator colour. Separate, battery-operated remote control device model 2 for controlling the room temperature.

# Zehnder Subway

## Overview of models



## Connection to hot water central heating system

| Model | H  | L  | Thermal output           |               |               |               | Exp. | Classification<br>Electric heating<br>element | V | M | Price<br>RAL 9016 | Price <sup>①</sup><br>Cat. 1 |
|-------|----|----|--------------------------|---------------|---------------|---------------|------|-----------------------------------------------|---|---|-------------------|------------------------------|
|       | mm | mm | EN 442 <sup>③</sup><br>W | 70/55/24<br>W | 55/45/24<br>W | 55/45/20<br>W |      |                                               |   |   |                   |                              |

| Painted version |      |     |     |     |     |     |      |     |     |      |        |        |
|-----------------|------|-----|-----|-----|-----|-----|------|-----|-----|------|--------|--------|
| SUB-100-045     | 973  | 450 | 401 | 286 | 175 | 210 | 1,25 | 300 | 3,5 | 6,7  | 341,63 | 427,04 |
| SUB-130-045     | 1261 | 450 | 509 | 363 | 222 | 267 | 1,25 | 300 | 4,5 | 8,6  | 384,70 | 480,88 |
| SUB-150-045     | 1549 | 450 | 615 | 438 | 268 | 322 | 1,25 | 600 | 5,4 | 10,6 | 441,93 | 539,10 |
| SUB-180-045     | 1837 | 450 | 715 | 511 | 314 | 377 | 1,24 | 600 | 6,3 | 12,2 | 477,06 | 581,42 |
| SUB-100-060     | 973  | 600 | 499 | 356 | 218 | 262 | 1,25 | 300 | 4,3 | 8,3  | 372,58 | 465,73 |
| SUB-130-060     | 1261 | 600 | 639 | 455 | 279 | 335 | 1,25 | 600 | 5,4 | 10,5 | 428,09 | 535,11 |
| SUB-150-060     | 1549 | 600 | 772 | 550 | 337 | 405 | 1,25 | 600 | 7,2 | 12,5 | 482,33 | 602,91 |
| SUB-180-060     | 1837 | 600 | 898 | 642 | 395 | 473 | 1,24 | 900 | 7,7 | 14,7 | 534,08 | 659,75 |

| Model | H  | L  | Thermal output           |               |               | Exp. | Classification<br>Electric heating<br>element<br>Watt | V<br><br>dm³ | M<br><br>kg | Price<br>Chrome<br>€ |
|-------|----|----|--------------------------|---------------|---------------|------|-------------------------------------------------------|--------------|-------------|----------------------|
|       | mm | mm | EN 442 <sup>③</sup><br>W | 70/55/24<br>W | 55/45/24<br>W |      |                                                       |              |             |                      |

| Chrome-plated version |      |     |     |     |     |     |      |     |     |      |          |
|-----------------------|------|-----|-----|-----|-----|-----|------|-----|-----|------|----------|
| SUBC-100-045          | 973  | 450 | 265 | 188 | 114 | 137 | 1,27 | 300 | 3,5 | 6,5  | 970,28   |
| SUBC-130-045          | 1261 | 450 | 336 | 238 | 145 | 174 | 1,27 | 300 | 4,5 | 8,4  | 1.070,23 |
| SUBC-150-045          | 1549 | 450 | 413 | 293 | 178 | 214 | 1,27 | 300 | 5,4 | 10,1 | 1.263,69 |
| SUBC-180-045          | 1837 | 450 | 486 | 345 | 209 | 252 | 1,27 | 300 | 6,3 | 11,8 | 1.412,74 |
| SUBC-100-060          | 973  | 600 | 329 | 234 | 143 | 172 | 1,26 | 300 | 4,3 | 8,1  | 1.022,12 |
| SUBC-130-060          | 1261 | 600 | 408 | 290 | 177 | 213 | 1,26 | 300 | 5,4 | 10,2 | 1.127,01 |
| SUBC-150-060          | 1549 | 600 | 502 | 357 | 218 | 262 | 1,26 | 300 | 7,2 | 12,3 | 1.329,37 |
| SUBC-180-060          | 1837 | 600 | 590 | 419 | 256 | 308 | 1,26 | 600 | 7,7 | 14,3 | 1.487,30 |

| Model | H  | L  | Thermal output      |          |          |          | Exp. | Classification<br>Electric heating<br>element<br>Watt | V               | M  | Price<br>Stainless steel |
|-------|----|----|---------------------|----------|----------|----------|------|-------------------------------------------------------|-----------------|----|--------------------------|
|       |    |    | EN 442 <sup>③</sup> | 70/55/24 | 55/45/24 | 55/45/20 |      |                                                       |                 |    |                          |
|       | mm | mm | W                   | W        | W        | W        | n    |                                                       | dm <sup>3</sup> | kg | €                        |

| Stainless-steel version |      |     |     |     |     |     |      |     |     |      |          |
|-------------------------|------|-----|-----|-----|-----|-----|------|-----|-----|------|----------|
| SUBI-100-045            | 973  | 450 | 287 | 203 | 124 | 149 | 1,27 | 300 | 3,5 | 6,7  | 862,81   |
| SUBI-130-045            | 1261 | 450 | 370 | 262 | 159 | 192 | 1,27 | 300 | 4,5 | 8,7  | 1.086,85 |
| SUBI-150-045            | 1549 | 450 | 445 | 315 | 192 | 231 | 1,27 | 300 | 5,4 | 10,4 | 1.261,93 |
| SUBI-180-045            | 1837 | 450 | 523 | 370 | 224 | 270 | 1,28 | 300 | 6,3 | 12,2 | 1.459,48 |
| SUBI-100-060            | 973  | 600 | 356 | 253 | 154 | 186 | 1,26 | 300 | 4,3 | 8,3  | 1.046,64 |
| SUBI-130-060            | 1261 | 600 | 447 | 318 | 194 | 233 | 1,26 | 300 | 5,4 | 10,4 | 1.282,66 |
| SUBI-150-060            | 1549 | 600 | 538 | 383 | 235 | 282 | 1,25 | 300 | 7,2 | 12,4 | 1.527,08 |
| SUBI-180-060            | 1837 | 600 | 633 | 454 | 280 | 335 | 1,23 | 600 | 7,7 | 14,4 | 1.753,79 |

① For special colours in categories 1 and 2, see “Special solutions” and “Colour chart”

③ Thermal output to EN 442, ΔT 50 K (75/65/20°C)



## Zehnder Subway

### Connection to hot water central heating system – Version for guest WC

| Model | H  | L  | Thermal output      |          |          |          | Exp. | Classification                   | V               | M  | Price         | Price <sup>①</sup> |
|-------|----|----|---------------------|----------|----------|----------|------|----------------------------------|-----------------|----|---------------|--------------------|
|       | mm | mm | EN 442 <sup>③</sup> | 70/55/24 | 55/45/24 | 55/45/20 | n    | Electric heating element<br>Watt | dm <sup>3</sup> | kg | RAL 9016<br>€ | Cat. 1<br>€        |

|                        |     |     |     |     |     |     |      |   |     |     |               |               |
|------------------------|-----|-----|-----|-----|-----|-----|------|---|-----|-----|---------------|---------------|
| <b>Painted version</b> |     |     |     |     |     |     |      |   |     |     |               |               |
| <b>SUB-060-045</b>     | 613 | 450 | 310 | 221 | 135 | 162 | 1,25 | - | 2,3 | 5,2 | <b>296,26</b> | <b>365,69</b> |

| Model | H  | L  | Thermal output      |          |          |          | Exp. | Classification                   | V               | M  | Price       |
|-------|----|----|---------------------|----------|----------|----------|------|----------------------------------|-----------------|----|-------------|
|       | mm | mm | EN 442 <sup>③</sup> | 70/55/24 | 55/45/24 | 55/45/20 | n    | Electric heating element<br>Watt | dm <sup>3</sup> | kg | Chrome<br>€ |

|                              |     |     |     |     |    |     |      |   |     |     |               |
|------------------------------|-----|-----|-----|-----|----|-----|------|---|-----|-----|---------------|
| <b>Chrome-plated version</b> |     |     |     |     |    |     |      |   |     |     |               |
| <b>SUBC-060-045</b>          | 613 | 450 | 205 | 145 | 88 | 106 | 1,27 | - | 2,3 | 5,0 | <b>776,48</b> |

| Model | H  | L  | Thermal output      |          |          |          | Exp. | Classification                   | V               | M  | Price                |
|-------|----|----|---------------------|----------|----------|----------|------|----------------------------------|-----------------|----|----------------------|
|       | mm | mm | EN 442 <sup>③</sup> | 70/55/24 | 55/45/24 | 55/45/20 | n    | Electric heating element<br>Watt | dm <sup>3</sup> | kg | Stainless steel<br>€ |

|                                |     |     |     |     |    |     |      |   |     |     |               |
|--------------------------------|-----|-----|-----|-----|----|-----|------|---|-----|-----|---------------|
| <b>Stainless-steel version</b> |     |     |     |     |    |     |      |   |     |     |               |
| <b>SUBI-060-045</b>            | 613 | 450 | 221 | 157 | 95 | 115 | 1,27 | - | 2,3 | 5,1 | <b>691,85</b> |

### Connection for dual energy operation with integrated electric heating element IHC

| Model | H  | L  | Thermal output      |          |          |          | Exp. | Classification                   | V               | M  | Price         | Price <sup>①</sup> |
|-------|----|----|---------------------|----------|----------|----------|------|----------------------------------|-----------------|----|---------------|--------------------|
|       | mm | mm | EN 442 <sup>③</sup> | 70/55/24 | 55/45/24 | 55/45/20 | n    | Electric heating element<br>Watt | dm <sup>3</sup> | kg | RAL 9016<br>€ | Cat. 1<br>€        |

|                        |      |     |     |     |     |     |      |     |     |      |               |                 |
|------------------------|------|-----|-----|-----|-----|-----|------|-----|-----|------|---------------|-----------------|
| <b>Painted version</b> |      |     |     |     |     |     |      |     |     |      |               |                 |
| <b>SUBSS130045MCZD</b> | 1261 | 450 | 509 | 363 | 222 | 267 | 1,25 | 500 | 4,5 | 8,6  | <b>752,50</b> | <b>940,62</b>   |
| <b>SUBSS150045MCZD</b> | 1549 | 450 | 615 | 438 | 268 | 322 | 1,25 | 600 | 5,4 | 10,6 | <b>882,68</b> | <b>1.103,35</b> |
| <b>SUBSS180045MCZD</b> | 1837 | 450 | 715 | 511 | 314 | 377 | 1,24 | 600 | 6,3 | 12,2 | <b>914,84</b> | <b>1.143,55</b> |
| <b>SUBSS130060MCZD</b> | 1261 | 600 | 639 | 455 | 279 | 335 | 1,25 | 600 | 5,4 | 10,5 | <b>820,22</b> | <b>1.025,28</b> |
| <b>SUBSS150060MCZD</b> | 1549 | 600 | 772 | 550 | 337 | 405 | 1,25 | 750 | 7,2 | 12,5 | <b>913,94</b> | <b>1.142,43</b> |
| <b>SUBSS180060MCZD</b> | 1837 | 600 | 898 | 642 | 395 | 473 | 1,24 | 900 | 7,7 | 14,7 | <b>993,66</b> | <b>1.242,08</b> |

| Model | H  | L  | Thermal output      |          |          |          | Exp. | Classification                   | V               | M  | Price       |
|-------|----|----|---------------------|----------|----------|----------|------|----------------------------------|-----------------|----|-------------|
|       | mm | mm | EN 442 <sup>③</sup> | 70/55/24 | 55/45/24 | 55/45/20 | n    | Electric heating element<br>Watt | dm <sup>3</sup> | kg | Chrome<br>€ |

|                              |      |     |     |     |     |     |      |     |     |      |                 |
|------------------------------|------|-----|-----|-----|-----|-----|------|-----|-----|------|-----------------|
| <b>Chrome-plated version</b> |      |     |     |     |     |     |      |     |     |      |                 |
| <b>SUBCS130045MCZD</b>       | 1261 | 450 | 336 | 238 | 145 | 174 | 1,27 | 300 | 4,5 | 8,4  | <b>1.463,25</b> |
| <b>SUBCS150045MCZD</b>       | 1549 | 450 | 413 | 293 | 178 | 214 | 1,27 | 300 | 5,4 | 10,1 | <b>1.687,06</b> |
| <b>SUBCS180045MCZD</b>       | 1837 | 450 | 486 | 345 | 209 | 252 | 1,27 | 300 | 6,3 | 11,8 | <b>1.851,01</b> |
| <b>SUBCS130060MCZD</b>       | 1261 | 600 | 408 | 290 | 177 | 213 | 1,26 | 300 | 5,4 | 10,2 | <b>1.536,71</b> |
| <b>SUBCS150060MCZD</b>       | 1549 | 600 | 502 | 357 | 218 | 262 | 1,26 | 300 | 7,2 | 12,3 | <b>1.759,31</b> |
| <b>SUBCS180060MCZD</b>       | 1837 | 600 | 590 | 419 | 256 | 308 | 1,26 | 600 | 7,7 | 14,3 | <b>1.938,53</b> |

| Model | H  | L  | Thermal output      |          |          |          | Exp. | Classification                   | V               | M  | Price                |
|-------|----|----|---------------------|----------|----------|----------|------|----------------------------------|-----------------|----|----------------------|
|       | mm | mm | EN 442 <sup>③</sup> | 70/55/24 | 55/45/24 | 55/45/20 | n    | Electric heating element<br>Watt | dm <sup>3</sup> | kg | Stainless steel<br>€ |

|                                |      |     |     |     |     |     |      |     |     |      |                 |
|--------------------------------|------|-----|-----|-----|-----|-----|------|-----|-----|------|-----------------|
| <b>Stainless-steel version</b> |      |     |     |     |     |     |      |     |     |      |                 |
| <b>SUBIS130045MCZD</b>         | 1261 | 450 | 370 | 262 | 159 | 192 | 1,27 | 300 | 4,5 | 8,7  | <b>1.605,79</b> |
| <b>SUBIS150045MCZD</b>         | 1549 | 450 | 445 | 315 | 192 | 231 | 1,27 | 300 | 5,4 | 10,4 | <b>1.890,46</b> |
| <b>SUBIS180045MCZD</b>         | 1837 | 450 | 523 | 370 | 224 | 270 | 1,28 | 500 | 6,3 | 12,2 | <b>2.166,85</b> |
| <b>SUBIS130060MCZD</b>         | 1261 | 600 | 447 | 318 | 194 | 233 | 1,26 | 300 | 5,4 | 10,4 | <b>1.917,86</b> |
| <b>SUBIS150060MCZD</b>         | 1549 | 600 | 538 | 383 | 235 | 282 | 1,25 | 500 | 7,2 | 12,4 | <b>2.272,89</b> |
| <b>SUBIS180060MCZD</b>         | 1837 | 600 | 633 | 454 | 280 | 335 | 1,23 | 600 | 7,7 | 14,4 | <b>2.600,64</b> |

① For special colours in categories 1 and 2, see “Special solutions” and “Colour chart”

③ Thermal output to EN 442, ΔT 50 K (75/65/20°C)

# Zehnder Subway



## Connection for dual energy operation with integrated electric heating element<sup>1)</sup>

| Model | H <sup>④</sup><br>mm | L<br>mm | Thermal output           |               |               |               | Exp.<br>n | Classification<br>Electric heating<br>element<br>Watt | V<br>dm <sup>3</sup> | M<br>kg | Price<br>RAL 9016<br>€ | Price <sup>①</sup><br>Cat. 1<br>€ |
|-------|----------------------|---------|--------------------------|---------------|---------------|---------------|-----------|-------------------------------------------------------|----------------------|---------|------------------------|-----------------------------------|
|       |                      |         | EN 442 <sup>③</sup><br>W | 70/55/24<br>W | 55/45/24<br>W | 55/45/20<br>W |           |                                                       |                      |         |                        |                                   |

### Painted version

|                |      |     |     |     |     |     |      |     |     |      |        |          |
|----------------|------|-----|-----|-----|-----|-----|------|-----|-----|------|--------|----------|
| SUBM-130-45/GD | 1291 | 450 | 509 | 363 | 222 | 267 | 1,25 | 500 | 4,5 | 8,6  | 762,94 | 953,68   |
| SUBM-150-45/GD | 1579 | 450 | 615 | 438 | 268 | 322 | 1,25 | 600 | 5,4 | 10,6 | 807,37 | 1.009,22 |
| SUBM-180-45/GD | 1867 | 450 | 715 | 511 | 314 | 377 | 1,24 | 600 | 6,3 | 12,2 | 844,56 | 1.055,70 |
| SUBM-130-60/GD | 1291 | 600 | 639 | 455 | 279 | 335 | 1,25 | 600 | 5,4 | 10,5 | 805,93 | 1.007,42 |
| SUBM-150-60/GD | 1579 | 600 | 772 | 550 | 337 | 405 | 1,25 | 750 | 7,2 | 12,5 | 859,33 | 1.074,17 |
| SUBM-180-60/GD | 1867 | 600 | 898 | 642 | 395 | 473 | 1,24 | 900 | 7,7 | 14,7 | 914,30 | 1.142,88 |

| Model | H <sup>④</sup><br>mm | L<br>mm | Thermal output           |               |               |               | Exp.<br>n | Classification<br>Electric heating<br>element<br>Watt | V<br>dm <sup>3</sup> | M<br>kg | Price<br>Chrome<br>€ |
|-------|----------------------|---------|--------------------------|---------------|---------------|---------------|-----------|-------------------------------------------------------|----------------------|---------|----------------------|
|       |                      |         | EN 442 <sup>③</sup><br>W | 70/55/24<br>W | 55/45/24<br>W | 55/45/20<br>W |           |                                                       |                      |         |                      |

### Chrome-plated version

|                 |      |     |     |     |     |     |      |     |     |      |          |
|-----------------|------|-----|-----|-----|-----|-----|------|-----|-----|------|----------|
| SUBMC-130-45/GD | 1261 | 450 | 336 | 238 | 145 | 174 | 1,27 | 300 | 4,5 | 8,4  | 1.957,59 |
| SUBMC-150-45/GD | 1549 | 450 | 413 | 293 | 178 | 214 | 1,27 | 300 | 5,4 | 10,1 | 2.308,26 |
| SUBMC-180-45/GD | 1837 | 450 | 486 | 345 | 209 | 252 | 1,27 | 300 | 6,3 | 11,8 | 2.662,40 |
| SUBMC-130-60/GD | 1261 | 600 | 408 | 290 | 177 | 213 | 1,26 | 300 | 5,4 | 10,2 | 2.064,46 |
| SUBMC-150-60/GD | 1549 | 600 | 502 | 357 | 218 | 262 | 1,26 | 300 | 7,2 | 12,3 | 2.566,90 |
| SUBMC-180-60/GD | 1837 | 600 | 590 | 419 | 256 | 308 | 1,26 | 600 | 7,7 | 14,3 | 2.798,97 |

| Model | H<br>mm | L<br>mm | Thermal output           |               |               |               | Exp.<br>n | Classification<br>Electric heating<br>element<br>Watt | V<br>dm <sup>3</sup> | M<br>kg | Price<br>Stainless steel<br>€ |
|-------|---------|---------|--------------------------|---------------|---------------|---------------|-----------|-------------------------------------------------------|----------------------|---------|-------------------------------|
|       |         |         | EN 442 <sup>③</sup><br>W | 70/55/24<br>W | 55/45/24<br>W | 55/45/20<br>W |           |                                                       |                      |         |                               |

### Stainless-steel version

|                 |      |     |     |     |     |     |      |     |     |      |          |
|-----------------|------|-----|-----|-----|-----|-----|------|-----|-----|------|----------|
| SUBMI-130-45/GD | 1261 | 450 | 370 | 262 | 159 | 192 | 1,27 | 300 | 4,5 | 8,7  | 1.459,99 |
| SUBMI-150-45/GD | 1549 | 450 | 445 | 315 | 192 | 231 | 1,27 | 300 | 5,4 | 10,4 | 1.646,61 |
| SUBMI-180-45/GD | 1837 | 450 | 523 | 370 | 224 | 270 | 1,28 | 500 | 6,3 | 12,2 | 1.839,39 |
| SUBMI-130-60/GD | 1261 | 600 | 447 | 318 | 194 | 233 | 1,26 | 300 | 5,4 | 10,4 | 1.702,38 |
| SUBMI-150-60/GD | 1549 | 600 | 538 | 383 | 235 | 282 | 1,25 | 500 | 7,2 | 12,4 | 1.914,13 |
| SUBMI-180-60/GD | 1837 | 600 | 633 | 454 | 280 | 335 | 1,23 | 600 | 7,7 | 14,4 | 2.141,78 |

<sup>1)</sup> Maximum operating pressure for dual energy operation: 4 bar

<sup>①</sup> For special colours in categories 1 and 2, see "Special solutions" and "Colour chart"

<sup>③</sup> Thermal output to EN 442, ΔT 50 K (75/65/20°C)

<sup>④</sup> Total height incl. electric heating element

For legend, see "Electric operation and Ecodesign Directive" on page 166

# Zehnder Subway



## Electric-only operation with new electric platform

| Model           | H <sup>Ⓜ</sup> | L   | Classification<br>Electric heating<br>element<br>Watt | Price RAL 9016<br>€                                                                                          |                            | Price Cat. 1 <sup>①</sup><br>€                                                                               |                            |
|-----------------|----------------|-----|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------|
|                 | mm             | mm  |                                                       | Heating element<br>IHC (C)  | Heating element<br>IHE (A) | Heating element<br>IHC (C)  | Heating element<br>IHE (A) |
| Painted version |                |     |                                                       |                                                                                                              |                            |                                                                                                              |                            |
| SUBSS130045E_ZD | 1261           | 450 | 500                                                   | 819,48                                                                                                       | 529,90                     | 1.024,35                                                                                                     | 662,37                     |
| SUBSS150045E_ZD | 1549           | 450 | 600                                                   | 922,81                                                                                                       | 582,45                     | 1.153,51                                                                                                     | 728,06                     |
| SUBSS180045E_ZD | 1837           | 450 | 750                                                   | 966,39                                                                                                       | 641,47                     | 1.207,99                                                                                                     | 801,84                     |
| SUBSS130060E_ZD | 1261           | 600 | 600                                                   | 857,50                                                                                                       | 586,76                     | 1.071,88                                                                                                     | 733,44                     |
| SUBSS150060E_ZD | 1549           | 600 | 750                                                   | 955,48                                                                                                       | 652,18                     | 1.194,35                                                                                                     | 815,22                     |
| SUBSS180060E_ZD | 1837           | 600 | 900                                                   | 1.038,83                                                                                                     | 746,07                     | 1.298,54                                                                                                     | 932,59                     |

| Model                 | H <sup>Ⓜ</sup> | L   | Classification<br>Electric heating<br>element<br>Watt | Price Chrome<br>€                                                                                            |                            |
|-----------------------|----------------|-----|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------|
|                       | mm             | mm  |                                                       | Heating element<br>IHC (C)  | Heating element<br>IHE (A) |
| Chrome-plated version |                |     |                                                       |                                                                                                              |                            |
| SUBCS130045E_ZD       | 1261           | 450 | 300                                                   | 1.529,76                                                                                                     | 1.287,28                   |
| SUBCS150045E_ZD       | 1549           | 450 | 300                                                   | 1.763,74                                                                                                     | 1.500,06                   |
| SUBCS180045E_ZD       | 1837           | 450 | 300                                                   | 1.935,15                                                                                                     | 1.664,01                   |
| SUBCS130060E_ZD       | 1261           | 600 | 300                                                   | 1.606,56                                                                                                     | 1.349,71                   |
| SUBCS150060E_ZD       | 1549           | 600 | 300                                                   | 1.839,28                                                                                                     | 1.572,31                   |
| SUBCS180060E_ZD       | 1837           | 600 | 600                                                   | 2.026,65                                                                                                     | 1.757,03                   |

| Model                   | H <sup>Ⓜ</sup> | L   | Classification<br>Electric heating<br>element<br>Watt | Price Stainless steel<br>€                                                                                     |                            |
|-------------------------|----------------|-----|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|----------------------------|
|                         | mm             | mm  |                                                       | Heating element<br>IHC (C)  | Heating element<br>IHE (A) |
| Stainless-steel version |                |     |                                                       |                                                                                                                |                            |
| SUBIS130045E_ZD         | 1261           | 450 | 300                                                   | 1.602,59                                                                                                       | 1.284,64                   |
| SUBIS150045E_ZD         | 1549           | 450 | 300                                                   | 1.825,37                                                                                                       | 1.512,37                   |
| SUBIS180045E_ZD         | 1837           | 450 | 500                                                   | 2.065,52                                                                                                       | 1.733,48                   |
| SUBIS130060E_ZD         | 1261           | 600 | 300                                                   | 1.851,99                                                                                                       | 1.534,28                   |
| SUBIS150060E_ZD         | 1549           | 600 | 500                                                   | 2.126,05                                                                                                       | 1.818,32                   |
| SUBIS180060E_ZD         | 1837           | 600 | 600                                                   | 2.395,29                                                                                                       | 2.080,51                   |

① For special colours in categories 1 and 2, see “Special solutions” and “Colour chart”  
 ② Total height w/o heating element. For IHC +128 mm, for IHE +50 mm.  
 For legend, see “Electric operation and Ecodesign Directive” on page 166

## Zehnder Subway



### Electric-only operation

| Model | H <sup>③</sup><br>mm | L<br>mm | Classification<br>Electric heating<br>element<br>Watt | Price<br>RAL 9016<br>€ | Price <sup>①</sup><br>Cat. 1<br>€ |
|-------|----------------------|---------|-------------------------------------------------------|------------------------|-----------------------------------|
|-------|----------------------|---------|-------------------------------------------------------|------------------------|-----------------------------------|

#### Painted version

|                |      |     |     |          |          |
|----------------|------|-----|-----|----------|----------|
| SUBE-130-45/GD | 1261 | 450 | 500 | 815,12   | 1.018,90 |
| SUBE-150-45/GD | 1549 | 450 | 600 | 885,59   | 1.106,99 |
| SUBE-180-45/GD | 1837 | 450 | 750 | 948,50   | 1.185,63 |
| SUBE-130-60/GD | 1261 | 600 | 600 | 882,17   | 1.102,71 |
| SUBE-150-60/GD | 1549 | 600 | 750 | 970,40   | 1.213,00 |
| SUBE-180-60/GD | 1837 | 600 | 900 | 1.035,31 | 1.294,14 |

| Model | H <sup>③</sup><br>mm | L<br>mm | Classification<br>Electric heating<br>element<br>Watt | Price<br>Chrome<br>€ |
|-------|----------------------|---------|-------------------------------------------------------|----------------------|
|-------|----------------------|---------|-------------------------------------------------------|----------------------|

#### Chrome-plated version

|                 |      |     |     |          |
|-----------------|------|-----|-----|----------|
| SUBEC-130-45/GD | 1261 | 450 | 300 | 1.909,72 |
| SUBEC-150-45/GD | 1549 | 450 | 300 | 2.252,26 |
| SUBEC-180-45/GD | 1837 | 450 | 300 | 2.662,40 |
| SUBEC-130-60/GD | 1261 | 600 | 300 | 2.064,46 |
| SUBEC-150-60/GD | 1549 | 600 | 300 | 2.504,31 |
| SUBEC-180-60/GD | 1837 | 600 | 600 | 2.729,68 |

| Model | H <sup>③</sup><br>mm | L<br>mm | Classification<br>Electric heating<br>element<br>Watt | Price<br>Stainless steel<br>€ |
|-------|----------------------|---------|-------------------------------------------------------|-------------------------------|
|-------|----------------------|---------|-------------------------------------------------------|-------------------------------|

#### Stainless-steel version

|                 |      |     |     |          |
|-----------------|------|-----|-----|----------|
| SUBEI-130-45/GD | 1261 | 450 | 300 | 1.591,68 |
| SUBEI-150-45/GD | 1549 | 450 | 300 | 1.828,23 |
| SUBEI-180-45/GD | 1837 | 450 | 500 | 2.053,99 |
| SUBEI-130-60/GD | 1261 | 600 | 300 | 1.840,41 |
| SUBEI-150-60/GD | 1549 | 600 | 500 | 2.141,62 |
| SUBEI-180-60/GD | 1837 | 600 | 600 | 2.396,33 |

① For special colours in categories 1 and 2, see "Special solutions" and "Colour chart"

③ Total height incl. electric heating element

For legend, see "Electric operation and Ecodesign Directive" on page 166

## Zehnder Subway

### Standard scope of delivery for operation on hot water central heating system

- Powder coating to DIN 55900, RAL 9016
- 4 x ½" connections for flow, return, left-hand or right-hand electric heating element (on site)
- Dual energy operation: Electric heating element RACY-S, pre-assembled on the right, with remote control device, incl. batteries, with selectable operating modes: manual (above room temperature), weekly programme, timer, off. Electric heating element cover in colour of radiator
- ½" chrome directional air vent
- Mounting accessories in colour of radiator
- Packaging

### Standard scope of delivery for electric operation

- Powder coating to DIN 55900, RAL 9016
- Filled with heat transfer fluid
- Mounting accessories and electric heating element control box cover in colour of radiator
- Packaging
- Version with heating element IHC: With built-in immersion heater in outer manifold and control unit with LED matrix display, control unit white, black or grey (depending on radiator colour), cable and plug in colour of control unit
- Version with heating element IHE: With built-in immersion heater in outer manifold, without control option, control unit in white (if radiator is white) or chrome (for all other radiator surfaces).
- Version with integrated heating element RACY-S: with remote control device, incl. battery, with selectable operating modes: manual (above room temperature), weekly programme, timer, off.

| Special solution on request (surcharge)                                                           | Article number | Price €            |
|---------------------------------------------------------------------------------------------------|----------------|--------------------|
| ▪ Special finish to category 2 (surcharge on cat. 1)                                              | U100011640     | 146,76             |
| ▪ Remote control EASY for IHC (RCE)*                                                              | 887970         | 133,38             |
| ▪ Surface in metal look: stainless-steel look (reduced output approx. 8%)                         | U100012332     | As in Cat. 1       |
| ▪ Room divider version with two wall brackets and foot support, white, chrome, special colour     | -              | 257,06             |
| ▪ Room divider version with two wall brackets without foot support, white, chrome, special colour | -              | 199,02             |
| ▪ Models for electric operation in room divider version                                           | -              | On request         |
| ▪ Zehnder valves, lockshield valves and connection fittings                                       | -              | See p. 159 onwards |
| ▪ Connection from bottom to bottom, central, spacing 150 mm                                       | U100062530     | 85,31              |

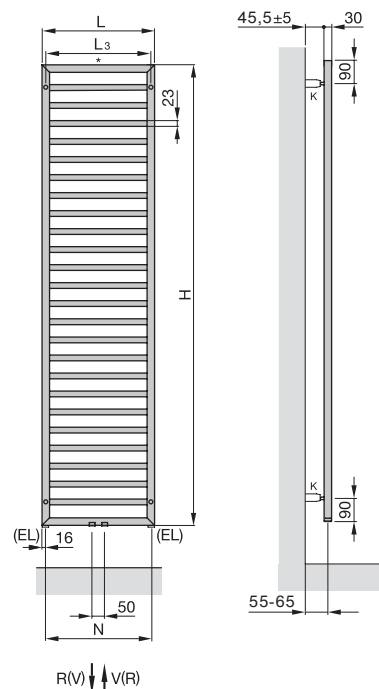


Remote control EASY can be ordered as accessory for heating element IHC.

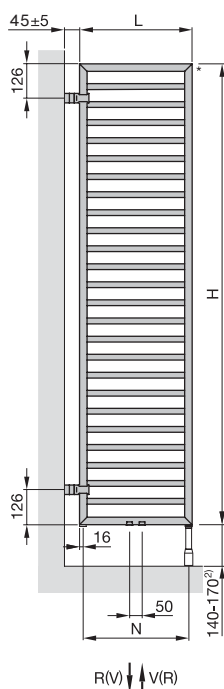
## Zehnder Subway

### Operation on hot water central heating system:

Wall mounting  
(with welded-on threaded bolts)

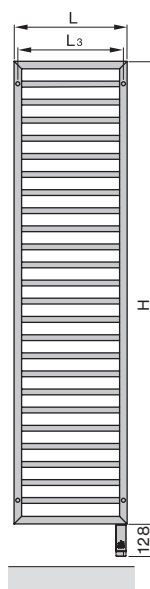


Room divider installation  
(special solution without  
welded-on threaded bolts) <sup>1)</sup>



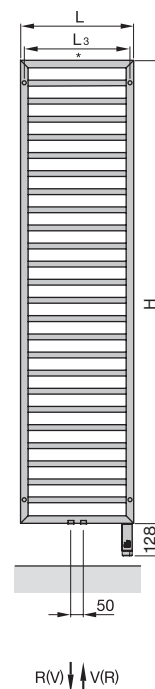
### Electric operation:

with heating element IHC



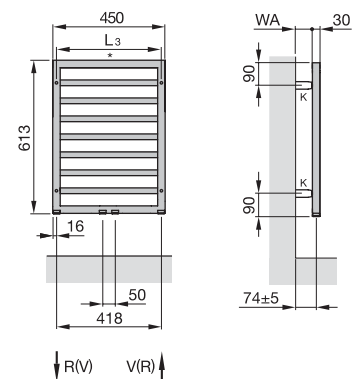
### Dual energy operation:

with heating element IHC  
(Factory installed)



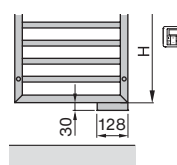
### Operation on central heating system:

Version for guest WC



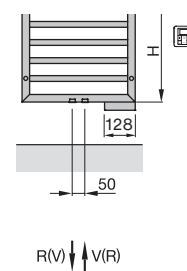
### Electric operation:

with heating element  
RACY-S



### Dual energy operation:

with heating element  
RACY-S  
(Factory installed)



- H = Height
- L = Length
- EL = Connection for electric heating element
- K = Bracket
- V = Flow 1/2"
- R = Return 1/2"
- \* = Venting 1/2"
- N = Connection centre
- WA = Wall clearance 40-50 mm
- L<sub>3</sub> = Fixing dimension, L - 30 mm

Dimensions in mm

- 1) The standard version of the radiator is not suitable for room divider installation
- 2) For installation with foot support in standard length

## Zehnder Forma Asym



Radiator colour: Traffic White

### Operation on hot water central heating system

Zehnder Forma Asym decorative radiator made from horizontally arranged precision steel tubes welded to vertically arranged round tubes. Invisible connection due to capstan welding technology.

Horizontal tubes each branch asymmetrically from the laterally arranged manifolds. Horizontal steel tubes Ø 25 mm, vertical header tubes Ø 38 mm.

Thermal output tested to EN 442, with CE marking.

With connections at bottom, 2 x ½" for flow/return, connection centre 50 mm. Alternatively with additional 2 x ½" centre connections, spacing 50 mm for flow/return. Radiator with powder coating, in colour RAL 9016 as standard, in special colour on request. Delivered ready to install with elegant wall brackets.

|                       |             |
|-----------------------|-------------|
| Operating pressure    | max. 10 bar |
| Operating temperature | max. 95 °C  |
| Height                | ..... mm    |
| Length                | ..... mm    |
| Model                 | .....       |

### Benefits

- Cross-connected tubes lend relaxed look
- Open access from both sides makes it very convenient for hanging and sliding towels in from the side
- Large wall clearance for snugly warm towels
- Diverse range of models with left-hand or right-hand version
- Dual energy operation possible with centre connections as an option



### Electric operation

Zehnder Forma Asym decorative radiator as multifunctional bathroom heater, electric-only, made from horizontally arranged precision steel tubes welded to vertically arranged round tubes with invisible welds due to capstan welding technology. Horizontal steel tubes Ø 25 mm, vertical header tubes Ø 38 mm. Delivered ready to install with elegant wall brackets. Standard version with powder coating, in colour RAL 9016, in special colour on request.

### Electric operation with heating element IHC

Heating element IHC with integrated control function and modular control concept. Basic functions can be set directly on the heating element. For an even more comfortable and easy control, remote control EASY (RCE, available as accessory) or the Zehnder Connect app can be used. Control unit colour in either white, grey or black, depending on radiator colour, built-in on outer collector tube. Connection cable and plug in radiator colour, protection class IP54.

### Electric operation with heating element IHE

Heating element IHE (without control function) for application in combination with on-site control (e. g. BMS systems). Control unit colour either white or chrome, depending on radiator colour, built-in on outer collector tube. Connection cable with Schuko plug in white or grey, protection class IP65.

### Electric operation with heating element RACY-C

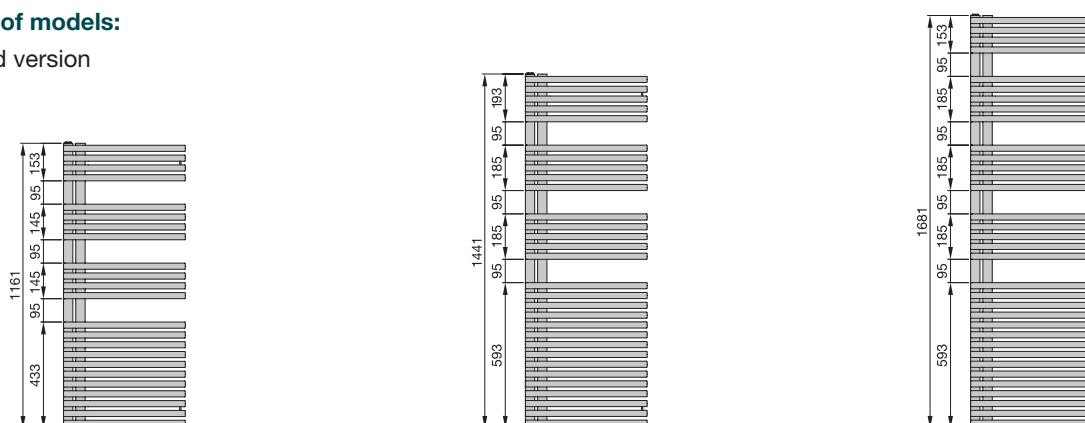
Heating element RACY-C, degree of protection IP44 (splash-proof), with Euro plug, installation at bottom left, cover in radiator colour. Separate, battery-operated remote control device model 2 for controlling the room temperature.



## Zehnder Forma Asym

### Overview of models:

Right-hand version



### Connection to hot water central heating system

| Model | H  | L  | EN 442 <sup>③</sup> | Thermal output |          |          | Exp. | Classification                | V               | M  | Price      | Price <sup>①</sup> |
|-------|----|----|---------------------|----------------|----------|----------|------|-------------------------------|-----------------|----|------------|--------------------|
|       | mm | mm | W                   | 70/55/24       | 55/45/24 | 55/45/20 | n    | Electric heating element Watt | dm <sup>3</sup> | kg | RAL 9016 € | Cat. 1 €           |

#### Painted version, right-hand version

|              |      |     |     |     |     |     |      |   |      |      |        |        |
|--------------|------|-----|-----|-----|-----|-----|------|---|------|------|--------|--------|
| LFAR-120-050 | 1161 | 496 | 547 | 389 | 237 | 285 | 1,26 | - | 7,0  | 12,1 | 373,68 | 467,09 |
| LFAR-150-050 | 1441 | 496 | 672 | 475 | 288 | 347 | 1,28 | - | 8,8  | 15,0 | 441,58 | 551,97 |
| LFAR-170-050 | 1681 | 496 | 778 | 552 | 335 | 404 | 1,27 | - | 10,1 | 17,1 | 473,19 | 591,49 |
| LFAR-120-060 | 1161 | 596 | 628 | 446 | 272 | 327 | 1,26 | - | 8,0  | 13,8 | 406,54 | 508,17 |
| LFAR-150-060 | 1441 | 596 | 772 | 544 | 328 | 396 | 1,29 | - | 10,0 | 17,2 | 479,98 | 599,98 |
| LFAR-170-060 | 1681 | 596 | 894 | 634 | 385 | 464 | 1,27 | - | 11,4 | 19,6 | 514,63 | 643,28 |

#### Painted version, left-hand version

|              |      |     |     |     |     |     |      |   |      |      |        |        |
|--------------|------|-----|-----|-----|-----|-----|------|---|------|------|--------|--------|
| LFAL-120-050 | 1161 | 496 | 547 | 389 | 237 | 285 | 1,26 | - | 7,0  | 12,1 | 373,68 | 467,09 |
| LFAL-150-050 | 1441 | 496 | 672 | 475 | 288 | 347 | 1,28 | - | 8,8  | 15,0 | 433,40 | 541,75 |
| LFAL-170-050 | 1681 | 496 | 778 | 552 | 335 | 404 | 1,27 | - | 10,1 | 17,1 | 473,19 | 591,49 |
| LFAL-120-060 | 1161 | 596 | 628 | 446 | 272 | 327 | 1,26 | - | 8,0  | 13,8 | 406,54 | 508,17 |
| LFAL-150-060 | 1441 | 596 | 772 | 544 | 328 | 396 | 1,29 | - | 10,0 | 17,2 | 471,41 | 589,26 |
| LFAL-170-060 | 1681 | 596 | 894 | 634 | 385 | 464 | 1,27 | - | 11,4 | 19,6 | 514,63 | 643,28 |

### Connection to hot water central heating system with 50 mm centre connections

| Model | H  | L  | EN 442 <sup>③</sup> | Thermal output |          |          | Exp. | Classification                | V               | M  | Price      | Price <sup>①</sup> |
|-------|----|----|---------------------|----------------|----------|----------|------|-------------------------------|-----------------|----|------------|--------------------|
|       | mm | mm | W                   | 70/55/24       | 55/45/24 | 55/45/20 | n    | Electric heating element Watt | dm <sup>3</sup> | kg | RAL 9016 € | Cat. 1 €           |

#### Painted version, right-hand version

|                 |      |     |     |     |     |     |      |     |      |      |        |        |
|-----------------|------|-----|-----|-----|-----|-----|------|-----|------|------|--------|--------|
| LFAR-120-050-05 | 1161 | 496 | 547 | 389 | 237 | 285 | 1,26 | 300 | 7,0  | 12,1 | 422,18 | 527,73 |
| LFAR-150-050-05 | 1441 | 496 | 672 | 475 | 288 | 347 | 1,28 | 600 | 8,8  | 15,0 | 491,31 | 614,14 |
| LFAR-170-050-05 | 1681 | 496 | 778 | 552 | 335 | 404 | 1,27 | 600 | 10,1 | 17,1 | 522,42 | 653,02 |
| LFAR-120-060-05 | 1161 | 596 | 628 | 446 | 272 | 327 | 1,26 | 600 | 8,0  | 13,8 | 457,35 | 571,69 |
| LFAR-150-060-05 | 1441 | 596 | 772 | 544 | 328 | 396 | 1,29 | 600 | 10,0 | 17,2 | 532,16 | 665,20 |
| LFAR-170-060-05 | 1681 | 596 | 894 | 634 | 385 | 464 | 1,27 | 900 | 11,4 | 19,6 | 555,92 | 694,90 |

#### Painted version, left-hand version

|                 |      |     |     |     |     |     |      |     |      |      |        |        |
|-----------------|------|-----|-----|-----|-----|-----|------|-----|------|------|--------|--------|
| LFAL-120-050-05 | 1161 | 496 | 547 | 389 | 237 | 285 | 1,26 | 300 | 7,0  | 12,1 | 422,18 | 527,73 |
| LFAL-150-050-05 | 1441 | 496 | 672 | 475 | 288 | 347 | 1,28 | 600 | 8,8  | 15,0 | 482,21 | 602,76 |
| LFAL-170-050-05 | 1681 | 496 | 778 | 552 | 335 | 404 | 1,27 | 600 | 10,1 | 17,1 | 522,42 | 653,02 |
| LFAL-120-060-05 | 1161 | 596 | 628 | 446 | 272 | 327 | 1,26 | 600 | 8,0  | 13,8 | 457,35 | 571,69 |
| LFAL-150-060-05 | 1441 | 596 | 772 | 544 | 328 | 396 | 1,29 | 600 | 10,0 | 17,2 | 522,65 | 653,32 |
| LFAL-170-060-05 | 1681 | 596 | 894 | 634 | 385 | 464 | 1,27 | 900 | 11,4 | 19,6 | 566,41 | 708,01 |

① For special colours in categories 1 and 2, see "Special solutions" and "Colour chart"

③ Thermal output according to EN 442, ΔT 50 K (75/65/20°C)

## Zehnder Forma Asym

### Standard scope of delivery for operation on hot water central heating system

- Powder coating to DIN 55900, RAL 9016
- 2 x ½" connections for flow, return
- ½" directional air vent
- Mounting accessories in colour of radiator
- Packaging



### Electric-only operation with new electric platform

| Model | H <sup>②</sup><br>mm | L<br>mm | Classification<br>Electric heating<br>element<br>Watt | Price RAL 9016<br>€        |                            | Price Cat. 1 <sup>①</sup><br>€ |                            |
|-------|----------------------|---------|-------------------------------------------------------|----------------------------|----------------------------|--------------------------------|----------------------------|
|       |                      |         |                                                       | Heating element<br>IHC (C) | Heating element<br>IHE (A) | Heating element<br>IHC (C)     | Heating element<br>IHE (A) |

#### Painted version, right-hand version

|                 |      |     |     |          |        |          |        |
|-----------------|------|-----|-----|----------|--------|----------|--------|
| LFASR120050E_ZD | 1161 | 496 | 400 | 961,48   | 570,12 | 1 201,86 | 712,65 |
| LFASR150050E_ZD | 1441 | 496 | 600 | 1.063,27 | 650,38 | 1 329,08 | 812,98 |
| LFASR170050E_ZD | 1681 | 496 | 900 | 1.185,58 | 736,58 | 1 481,97 | 920,73 |
| LFASR120060E_ZD | 1161 | 596 | 600 | 1.017,63 | 617,13 | 1 272,04 | 771,42 |
| LFASR150060E_ZD | 1441 | 596 | 900 | 1.153,60 | 729,72 | 1 442,00 | 912,14 |
| LFASR170060E_ZD | 1681 | 596 | 900 | 1.214,50 | 779,17 | 1 518,13 | 973,97 |

#### Painted version, left-hand version

|                 |      |     |     |          |        |          |        |
|-----------------|------|-----|-----|----------|--------|----------|--------|
| LFASL120050E_ZD | 1161 | 496 | 500 | 972,29   | 578,65 | 1.215,36 | 723,31 |
| LFASL150050E_ZD | 1441 | 496 | 600 | 1.050,76 | 650,38 | 1.313,45 | 812,98 |
| LFASL170050E_ZD | 1681 | 496 | 750 | 1.158,32 | 748,09 | 1.447,90 | 935,11 |
| LFASL120060E_ZD | 1161 | 596 | 600 | 1.017,63 | 617,13 | 1.272,04 | 771,42 |
| LFASL150060E_ZD | 1441 | 596 | 750 | 1.153,60 | 729,72 | 1.442,00 | 912,14 |
| LFASL170060E_ZD | 1681 | 596 | 900 | 1.200,38 | 791,35 | 1.500,47 | 989,19 |



### Electric-only operation

| Model | H <sup>③</sup><br>mm | L<br>mm | Classification<br>Electric heating<br>element<br>Watt | Price         |             |
|-------|----------------------|---------|-------------------------------------------------------|---------------|-------------|
|       |                      |         |                                                       | RAL 9016<br>€ | Cat. 1<br>€ |

#### Painted version, right-hand version

|                 |      |     |     |          |          |
|-----------------|------|-----|-----|----------|----------|
| LFAER-120-50/GD | 1186 | 496 | 500 | 1.036,31 | 1.295,39 |
| LFAER-150-50/GD | 1466 | 496 | 600 | 1.167,91 | 1.459,89 |
| LFAER-170-50/GD | 1706 | 496 | 750 | 1.216,02 | 1.520,02 |
| LFAER-120-60/GD | 1186 | 596 | 600 | 1.085,01 | 1.356,26 |
| LFAER-150-60/GD | 1466 | 596 | 750 | 1.224,30 | 1.530,38 |
| LFAER-170-60/GD | 1706 | 596 | 900 | 1.275,53 | 1.594,41 |

#### Painted version, left-hand version

|                 |      |     |     |          |          |
|-----------------|------|-----|-----|----------|----------|
| LFAEL-120-50/GD | 1186 | 496 | 500 | 1.036,31 | 1.295,39 |
| LFAEL-150-50/GD | 1466 | 496 | 600 | 1.167,91 | 1.459,89 |
| LFAEL-170-50/GD | 1706 | 496 | 750 | 1.216,02 | 1.520,02 |
| LFAEL-120-60/GD | 1186 | 596 | 600 | 1.085,01 | 1.356,26 |
| LFAEL-150-60/GD | 1466 | 596 | 750 | 1.224,30 | 1.530,38 |
| LFAEL-170-60/GD | 1706 | 596 | 900 | 1.275,53 | 1.594,41 |

### Standard scope of delivery for electric operation

- Powder coating to DIN 55900, RAL 9016
- Filled with non-flammable heat-transfer fluid (frost-proof to -10°C)
- Mounting accessories in colour of radiator
- Packaging
- Version with heating element IHC: With built-in immersion heater in outer manifold and control unit with LED matrix display, control unit white, black or grey (depending on radiator colour), cable and plug in colour of control unit
- Version with heating element IHE: With built-in immersion heater in outer manifold, without control option, control unit in white (if radiator is white ) or chrome (for all other radiator surfaces).
- Version with integrated heating element RACY-C: with remote control device, incl. battery, with selectable operating modes: manual (above room temperature), weekly programme, timer, off.

① For special colours in categories 1 and 2, see "Special solutions" and "Colour chart"

② Total height w/o heating element. For IHC +128 mm, for IHE +50 mm.

③ Total height incl. electric heating element

For legend, see "Electric operation and Ecodesign Directive" on page 166

## Zehnder Forma Asym

| Special solution on request (surcharge)                                    | Article number | Price €            |
|----------------------------------------------------------------------------|----------------|--------------------|
| ▪ Special finish to category 2 (surcharge on cat. 1)                       | 7600011640     | 146,76             |
| ▪ Remote control EASY for IHC (RCE)*                                       | 887970         | 133,38             |
| ▪ Surface in metal look: stainless-steel look (reduced output approx. 13%) | 7600012332     | As in Cat. 1       |
| ▪ Electric heating element for dual energy operation <sup>1)</sup>         | -              | See p. 152 onwards |
| ▪ Zehnder thermostat LH2, M 30 x 1,5, white                                | 819140         | 35,02              |
| ▪ Zehnder thermostat LH2, M 30 x 1,5, chrome                               | 819148         | 60,35              |
| ▪ Zehnder valves, lockshield valves and connection fittings                | -              | See p. 159 onwards |



Remote control EASY  
can be ordered as  
accessory for heating  
element IHC.

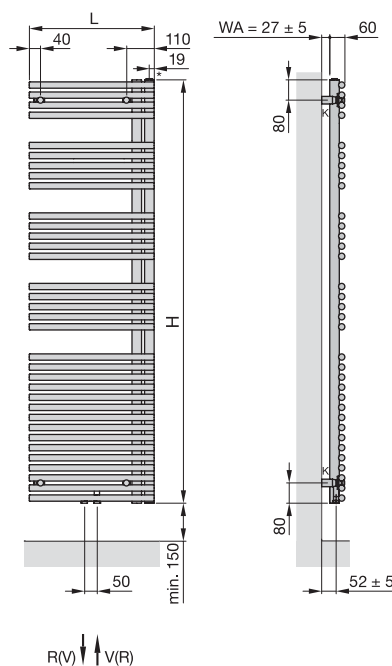
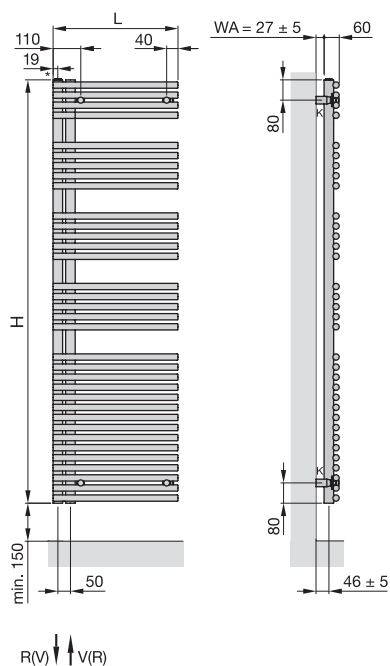
### Operation on hot water central heating system:

Wall mounting

Right-hand version

50 mm centre connections

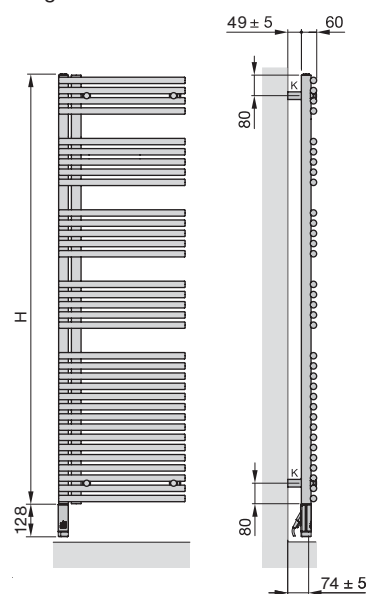
Left-hand version



### Electric operation:

with electric heating  
element IHC<sup>2)</sup>

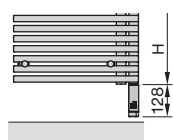
Right-hand version



### Electric operation:

with electric heating  
element IHC

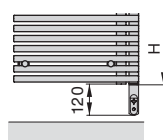
Left-hand version



### Electric operation:

with electric heating  
element DBM

Left-hand version



H = Height  
L = Length  
K = Bracket  
WA = Wall clearance  
V = Flow ½"  
R = Return ½"  
\* = Venting ½"

Dimensions in mm

## Zehnder Forma Spa



Radiator colour: Beige Quartz



### Operation on hot water central heating system

Zehnder Forma Spa decorative radiator made from horizontally arranged precision steel tubes welded to vertically arranged round tubes. Invisible connection due to capstan welding technology. Single or double-layer version. Horizontal steel tubes Ø 25 mm, vertical header tubes Ø 38 mm. Thermal output tested to EN 442, with CE marking. With centre connections, ½" for flow/return, connection centre 50 mm and outside left and right, ½" for electric heating element, with directional air vent. Radiator with powder coating, in colour RAL 9016 as standard, in special colour or chrome on request; with packaging. Delivered ready to install with elegant wall brackets.

|                       |             |
|-----------------------|-------------|
| Operating pressure    | max. 10 bar |
| Operating temperature | max. 110 °C |
| Height                | ..... mm    |
| Length                | ..... mm    |
| Model                 | .....       |

### Benefits

- Cross-connected tubes lend relaxed look
- Double-layer models for high thermal output
- Large wall clearance for snugly warm towels
- Centre connections
- Available with matching connection fittings
- Dual energy operation possible without T-piece

### Electric operation

Zehnder Forma Spa decorative radiator as multifunctional bathroom heater, electric-only, made from horizontally arranged precision steel tubes welded to vertically arranged round tubes with invisible welds due to capstan welding technology. Horizontal steel tubes Ø 25 mm, vertical header tubes Ø 38 mm. Delivered ready to install with elegant wall brackets. Standard version with powder coating, in colour RAL 9016, in special colour or chrome on request.

### Electric operation with heating element IHC

Heating element IHC with integrated control function and modular control concept. Basic functions can be set directly on the heating element. For an even more comfortable and easy control, remote control EASY (RCE, available as accessory) or the Zehnder Connect app can be used. Control unit colour in either white, grey or black, depending on radiator colour, built-in on outer collector tube. Connection cable an plug in radiator colour, protection class IP54.

### Electric operation with heating element IHE

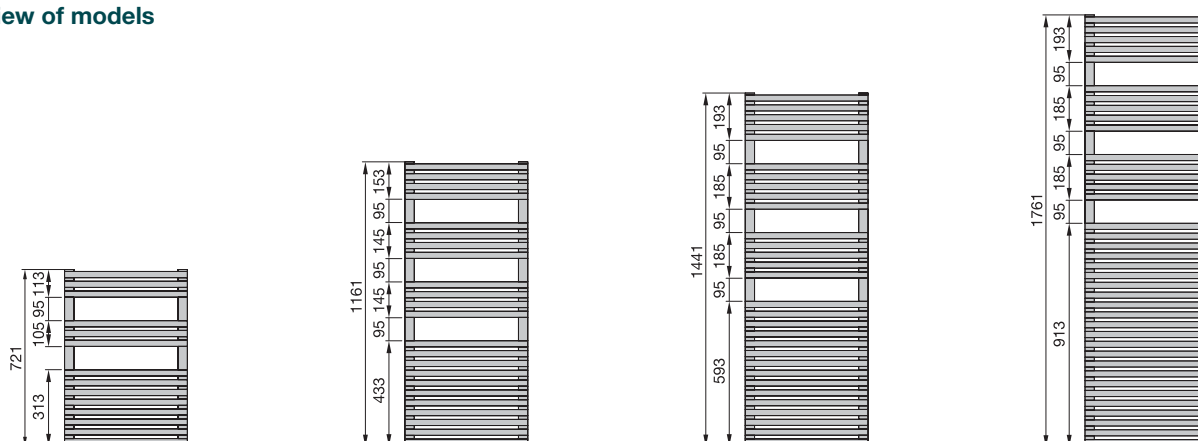
Heating element IHE (without control function) for application in combination with on-site control (e. g. BMS systems). Control unit colour either white or chrome, depending on radiator colour, built-in on outer collector tube. Connection cable with Schuko plug in white or grey, protection class IP65.

### Electric operation with heating element RACY-C

Heating element RACY-C, degree of protection IP44 (splash-proof), with Euro plug, installation at bottom left., cover in radiator colour. Separate, battery-operated remote control device model 2 for controlling the room temperature.

# Zehnder Forma Spa

## Overview of models



## Connection to hot water central heating system or for dual energy operation<sup>1)</sup>

| Model                                                           | H    | L   | Thermal output           |               |               |               | Exp. | Classification<br>Electric heating<br>element<br>Watt | V    | M    | Price<br>RAL 9016 | Price <sup>①</sup><br>Cat. 1 |
|-----------------------------------------------------------------|------|-----|--------------------------|---------------|---------------|---------------|------|-------------------------------------------------------|------|------|-------------------|------------------------------|
|                                                                 | mm   | mm  | EN 442 <sup>③</sup><br>W | 70/55/24<br>W | 55/45/24<br>W | 55/45/20<br>W |      |                                                       |      |      |                   |                              |
| Painted version, single-layer version, connection central 50 mm |      |     |                          |               |               |               |      |                                                       |      |      |                   |                              |
| LF-070-050-05                                                   | 721  | 496 | 378                      | 270           | 166           | 199           | 1,24 | 300                                                   | 4,2  | 7,4  | 346,01            | 432,51                       |
| LF-120-050-05                                                   | 1161 | 496 | 612                      | 437           | 269           | 322           | 1,24 | 600                                                   | 6,8  | 12,1 | 414,30            | 517,87                       |
| LF-150-050-05                                                   | 1441 | 496 | 796                      | 570           | 352           | 422           | 1,23 | 600                                                   | 8,7  | 15,6 | 480,43            | 600,54                       |
| LF-180-050-05                                                   | 1761 | 496 | 973                      | 699           | 433           | 518           | 1,22 | 900                                                   | 10,9 | 19,6 | 571,03            | 713,78                       |
| LF-070-060-05                                                   | 721  | 596 | 442                      | 318           | 197           | 235           | 1,22 | 300                                                   | 4,7  | 8,5  | 368,08            | 460,10                       |
| LF-120-060-05                                                   | 1161 | 596 | 707                      | 508           | 315           | 376           | 1,22 | 600                                                   | 7,7  | 13,9 | 467,19            | 583,98                       |
| LF-150-060-05                                                   | 1441 | 596 | 927                      | 668           | 416           | 496           | 1,21 | 900                                                   | 9,9  | 18,0 | 544,33            | 680,42                       |
| LF-180-060-05                                                   | 1761 | 596 | 1133                     | 814           | 505           | 603           | 1,22 | 900                                                   | 12,5 | 22,6 | 624,16            | 780,20                       |
| LF-180-075-05                                                   | 1761 | 746 | 1416                     | 1018          | 631           | 754           | 1,22 | 1200                                                  | 14,8 | 26,8 | 710,91            | 888,64                       |
| Painted version, double-layer version, connection central 50 mm |      |     |                          |               |               |               |      |                                                       |      |      |                   |                              |
| LFD-120-050-05                                                  | 1161 | 496 | 855                      | 604           | 370           | 444           | 1,25 | -                                                     | 10,8 | 19,9 | 565,30            | 706,63                       |
| LFD-150-050-05                                                  | 1441 | 496 | 1065                     | 776           | 474           | 569           | 1,26 | -                                                     | 14,3 | 26,3 | 680,00            | 850,00                       |
| LFD-180-050-05                                                  | 1761 | 496 | 1298                     | 923           | 563           | 677           | 1,26 | -                                                     | 17,9 | 32,6 | 808,22            | 1.010,28                     |
| LFD-120-060-05                                                  | 1161 | 596 | 1017                     | 721           | 442           | 530           | 1,25 | -                                                     | 12,6 | 23,1 | 631,78            | 789,73                       |
| LFD-180-060-05                                                  | 1761 | 596 | 1543                     | 1091          | 666           | 800           | 1,26 | -                                                     | 20,8 | 38,0 | 931,38            | 1.164,23                     |

<sup>①</sup> For special colours in categories 1 and 2, see “Special solutions” and “Colour chart”

<sup>③</sup> Thermal output to EN 442, ΔT 50 K (75/65/20°C)

## Zehnder Forma Spa

### Connection to hot water central heating system or for dual energy operation<sup>1)</sup>

| Model | H  | L  | Thermal output      |          |          |          | Exp. | Classification                | V               | M  | Price      | Price <sup>①</sup> |
|-------|----|----|---------------------|----------|----------|----------|------|-------------------------------|-----------------|----|------------|--------------------|
|       | mm | mm | EN 442 <sup>③</sup> | 70/55/24 | 55/45/24 | 55/45/20 | n    | Electric heating element Watt | dm <sup>3</sup> | kg | RAL 9016 € | Cat. 1 €           |

| Painted version, single-layered version, connection from bottom |      |     |      |      |     |     |      |      |      |      |        |        |
|-----------------------------------------------------------------|------|-----|------|------|-----|-----|------|------|------|------|--------|--------|
| LF-070-050                                                      | 721  | 496 | 378  | 270  | 166 | 199 | 1,24 | 300  | 4,2  | 7,0  | 295,61 | 363,65 |
| LF-120-050                                                      | 1161 | 496 | 612  | 437  | 269 | 322 | 1,24 | 300  | 6,8  | 12,1 | 359,10 | 448,87 |
| LF-150-050                                                      | 1441 | 496 | 796  | 422  | 352 | 422 | 1,24 | 600  | 8,8  | 15,7 | 437,60 | 547,01 |
| LF-180-050                                                      | 1761 | 496 | 973  | 699  | 433 | 518 | 1,24 | 900  | 11,0 | 19,6 | 523,38 | 636,06 |
| LF-070-060                                                      | 721  | 596 | 442  | 318  | 197 | 235 | 1,23 | 300  | 4,7  | 8,5  | 311,23 | 389,04 |
| LF-120-060                                                      | 1161 | 596 | 707  | 508  | 315 | 376 | 1,24 | 600  | 7,8  | 14,0 | 413,37 | 509,82 |
| LF-150-060                                                      | 1441 | 596 | 927  | 668  | 416 | 496 | 1,24 | 900  | 10,0 | 18,0 | 480,38 | 600,47 |
| LF-180-060                                                      | 1761 | 596 | 1133 | 814  | 505 | 603 | 1,24 | 900  | 12,5 | 22,6 | 559,31 | 699,14 |
| LF-180-075                                                      | 1761 | 746 | 1416 | 1018 | 631 | 754 | 1,24 | 1200 | 14,8 | 27,1 | 642,50 | 803,13 |

| Painted version, double-layered version, connection from bottom |      |     |      |      |     |     |      |   |      |      |        |          |
|-----------------------------------------------------------------|------|-----|------|------|-----|-----|------|---|------|------|--------|----------|
| LFD-120-050                                                     | 1161 | 496 | 855  | 604  | 370 | 444 | 1,25 | - | 10,8 | 19,9 | 518,23 | 647,79   |
| LFD-150-050                                                     | 1441 | 496 | 1065 | 776  | 474 | 569 | 1,26 | - | 14,3 | 26,3 | 650,15 | 812,69   |
| LFD-180-050                                                     | 1761 | 496 | 1285 | 923  | 563 | 677 | 1,26 | - | 17,9 | 32,6 | 763,13 | 939,24   |
| LFD-120-060                                                     | 1161 | 596 | 1017 | 721  | 442 | 530 | 1,25 | - | 12,6 | 23,1 | 578,48 | 723,11   |
| LFD-180-060                                                     | 1761 | 596 | 1543 | 1091 | 666 | 800 | 1,26 | - | 20,8 | 38,0 | 867,43 | 1.084,28 |

| Model | H  | L  | Thermal output      |          |          |          | Exp. | Classification                | V               | M  | Price    |
|-------|----|----|---------------------|----------|----------|----------|------|-------------------------------|-----------------|----|----------|
|       | mm | mm | EN 442 <sup>③</sup> | 70/55/24 | 55/45/24 | 55/45/20 | n    | Electric heating element Watt | dm <sup>3</sup> | kg | Chrome € |

| Chrome-plated version, connection central 50 mm |      |     |     |     |     |     |      |     |      |      |          |
|-------------------------------------------------|------|-----|-----|-----|-----|-----|------|-----|------|------|----------|
| LFC-070-050-05                                  | 721  | 496 | 254 | 181 | 111 | 133 | 1,28 | 300 | 4,2  | 7,4  | 556,09   |
| LFC-120-050-05                                  | 1161 | 496 | 402 | 283 | 170 | 205 | 1,30 | 300 | 6,8  | 12,1 | 816,39   |
| LFC-150-050-05                                  | 1441 | 496 | 512 | 362 | 219 | 264 | 1,25 | 300 | 8,7  | 15,6 | 1.050,22 |
| LFC-180-050-05                                  | 1761 | 496 | 636 | 447 | 269 | 325 | 1,29 | 600 | 10,9 | 19,6 | 1.288,22 |
| LFC-120-060-05                                  | 1161 | 596 | 464 | 333 | 207 | 247 | 1,25 | 300 | 7,7  | 13,9 | 938,08   |
| LFC-180-060-05                                  | 1761 | 596 | 744 | 522 | 312 | 378 | 1,29 | 600 | 12,4 | 22,6 | 1.440,42 |

| Model | H  | L  | Thermal output      |          |          |          | Exp. | Classification                | V               | M  | Price    |
|-------|----|----|---------------------|----------|----------|----------|------|-------------------------------|-----------------|----|----------|
|       | mm | mm | EN 442 <sup>③</sup> | 70/55/24 | 55/45/24 | 55/45/20 | n    | Electric heating element Watt | dm <sup>3</sup> | kg | Chrome € |

| Chrome-plated version, connection from bottom |      |     |     |     |     |     |      |     |      |      |          |
|-----------------------------------------------|------|-----|-----|-----|-----|-----|------|-----|------|------|----------|
| LFC-070-050                                   | 721  | 496 | 254 | 181 | 110 | 132 | 1,24 | 300 | 4,2  | 7,4  | 533,49   |
| LFC-120-050                                   | 1161 | 496 | 402 | 283 | 170 | 205 | 1,24 | 300 | 6,8  | 12,1 | 790,78   |
| LFC-150-050                                   | 1441 | 496 | 512 | 362 | 219 | 264 | 1,25 | 300 | 8,8  | 15,7 | 1.012,38 |
| LFC-180-050                                   | 1761 | 496 | 636 | 447 | 269 | 325 | 1,24 | 600 | 11,0 | 19,6 | 1.254,18 |
| LFC-120-060                                   | 1161 | 596 | 516 | 371 | 230 | 275 | 1,25 | 300 | 7,8  | 14,0 | 909,13   |

<sup>1)</sup> Maximum operating pressure for dual energy operation: 4 bar  
<sup>①</sup> For special colours in categories 1 and 2, see "Special solutions" and "Colour chart"  
<sup>③</sup> Thermal output to EN 442, ΔT 50 K (75/65/20°C)

## Zehnder Forma Spa

### Connection to hot water central heating & open heating system or for dual energy operation<sup>1)</sup>

| Model | H<br>mm | L<br>mm | Thermal output           |               |               |               | Exp.<br>n | Classification<br>Electric heating<br>element<br>Watt | V<br>dm <sup>3</sup> | M<br>kg | Price<br>Stainless steel<br>€ |
|-------|---------|---------|--------------------------|---------------|---------------|---------------|-----------|-------------------------------------------------------|----------------------|---------|-------------------------------|
|       |         |         | EN 442 <sup>③</sup><br>W | 70/55/24<br>W | 55/45/24<br>W | 55/45/20<br>W |           |                                                       |                      |         |                               |

#### Stainless steel version, connection from bottom - adaptable to open heating systems

|             |      |     |     |     |     |     |      |     |      |      |          |
|-------------|------|-----|-----|-----|-----|-----|------|-----|------|------|----------|
| LFI-070-050 | 721  | 496 | 267 | 190 | 116 | 140 | 1,25 | -   | 4,3  | 6,3  | 847,40   |
| LFI-120-050 | 1161 | 496 | 430 | 305 | 159 | 224 | 1,26 | 300 | 6,9  | 10,5 | 1.215,78 |
| LFI-150-050 | 1441 | 496 | 546 | 386 | 233 | 282 | 1,28 | 600 | 8,9  | 13,5 | 1.492,22 |
| LFI-180-050 | 1761 | 496 | 683 | 482 | 292 | 352 | 1,28 | 600 | 11,1 | 16,9 | 1.778,28 |
| LFI-120-060 | 1161 | 596 | 493 | 350 | 213 | 257 | 1,26 | 300 | 7,9  | 12,0 | 1.329,38 |



### Electric-only operation with new electric platform

| Model | H <sup>④</sup><br>mm | L<br>mm | Classification<br>Electric heating<br>element<br>Watt | Price RAL 9016<br>€        |                            | Price Cat. 1 <sup>①</sup><br>€ |                            |
|-------|----------------------|---------|-------------------------------------------------------|----------------------------|----------------------------|--------------------------------|----------------------------|
|       |                      |         |                                                       | Heating element<br>IHC (C) | Heating element<br>IHE (A) | Heating element<br>IHC (C)     | Heating element<br>IHE (A) |

#### Painted version

|                 |      |     |      |          |        |          |          |
|-----------------|------|-----|------|----------|--------|----------|----------|
| LFZSS070050E_ZD | 721  | 496 | 300  | 838,61   | 464,54 | 1.048,26 | 580,67   |
| LFZSS120050E_ZD | 1161 | 496 | 600  | 908,99   | 572,79 | 1.136,24 | 715,99   |
| LFZSS180050E_ZD | 1761 | 496 | 900  | 1.152,21 | 765,34 | 1.440,26 | 956,68   |
| LFZSS120060E_ZD | 1161 | 596 | 600  | 944,22   | 615,19 | 1.180,28 | 768,99   |
| LFZSS180060E_ZD | 1761 | 596 | 1200 | 1.197,36 | 845,83 | 1.496,70 | 1.057,29 |

| Model | H <sup>④</sup><br>mm | L<br>mm | Classification<br>Electric heating<br>element<br>Watt | Price Chrome<br>€          |                            |
|-------|----------------------|---------|-------------------------------------------------------|----------------------------|----------------------------|
|       |                      |         |                                                       | Heating element<br>IHC (C) | Heating element<br>IHE (A) |

#### Chrome-plated version

|                 |      |     |     |          |          |
|-----------------|------|-----|-----|----------|----------|
| LFZCS120050E_ZD | 1161 | 496 | 300 | 1.175,03 | 995,76   |
| LFZCS180050E_ZD | 1761 | 496 | 600 | 1.663,92 | 1.471,75 |

<sup>1)</sup> Maximum operating pressure for dual energy operation: 4 bar

<sup>①</sup> For special colours in categories 1 and 2, see "Special solutions" and "Colour chart"

<sup>③</sup> Thermal output to EN 442, ΔT 50 K (75/65/20°C)

<sup>④</sup> Total height w/o heating element. For IHC +128 mm, for IHE +50 mm.

For legend, see "Electric operation and Ecodesign Directive" on page 166



# Zehnder Forma Spa



## Electric-only operation

| Model | H <sup>③</sup><br>mm | L<br>mm | Classification<br>Electric heating<br>element<br>Watt | Price<br>RAL 9016<br>€ | Price <sup>①</sup><br>Cat. 1<br>€ |
|-------|----------------------|---------|-------------------------------------------------------|------------------------|-----------------------------------|
|-------|----------------------|---------|-------------------------------------------------------|------------------------|-----------------------------------|

| Painted version |      |     |     |          |          |
|-----------------|------|-----|-----|----------|----------|
| LFE-070-050/GD  | 746  | 496 | 300 | 820,85   | 1.026,06 |
| LFE-120-050/GD  | 1186 | 496 | 500 | 971,06   | 1.213,83 |
| LFE-180-050/GD  | 1786 | 496 | 900 | 1.250,92 | 1.563,65 |
| LFE-120-060/GD  | 1186 | 596 | 600 | 1.017,12 | 1.271,40 |
| LFE-180-060/GD  | 1786 | 596 | 900 | 1.312,36 | 1.640,45 |

| Model | H <sup>③</sup><br>mm | L<br>mm | Classification<br>Electric heating<br>element<br>Watt | Price<br>Chrome<br>€ |
|-------|----------------------|---------|-------------------------------------------------------|----------------------|
|-------|----------------------|---------|-------------------------------------------------------|----------------------|

| Chrome-plated version |      |     |     |          |
|-----------------------|------|-----|-----|----------|
| LFEC-120-050/GD       | 1186 | 496 | 300 | 1.203,29 |
| LFEC-180-050/GD       | 1786 | 496 | 600 | 1.602,95 |

## Standard scope of delivery for operation on hot water central heating system

- Powder coating to DIN 55900, RAL 9016
- 4 x ½" connections for flow, return, electric heating element
- ½" directional air vent
- Mounting accessories in colour of radiator
- Packaging

## Standard scope of delivery for electric operation

- Powder coating to DIN 55900, RAL 9016
- Filled with heat transfer fluid
- Mounting accessories in colour of radiator
- Packaging
- Version with heating element IHC: With built-in immersion heater in outer manifold and control unit with LED matrix display, control unit white, black or grey (depending on radiator colour), cable and plug in colour of control unit
- Version with heating element IHE: With built-in immersion heater in outer manifold, without control option, control unit in white (if radiator is white ) or chrome (for all other radiator surfaces).
- Version with integrated heating element RACY-C: with remote control device, incl. battery, with selectable operating modes: manual (above room temperature), weekly programme, timer, off.

| Special solution on request (surcharge)                                    | Article number | Price €            |
|----------------------------------------------------------------------------|----------------|--------------------|
| ▪ Special finish to category 2 (surcharge on cat. 1)                       | 7600011640     | 146,76             |
| ▪ Remote control EASY for IHC (RCE)*                                       | 887970         | 133,38             |
| ▪ Surface in metal look: stainless-steel look (reduced output approx. 13%) | 7600012332     | As in Cat. 1       |
| ▪ Electric heating element for dual energy operation                       | -              | See p. 152 onwards |
| ▪ Zehnder valves, lockshield valves and connection fittings                | -              | See p. 159 onwards |



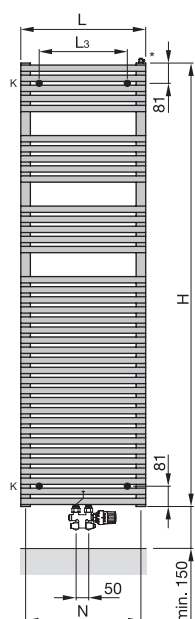
Remote control EASY can be ordered as accessory for heating element IHC.

1) Maximum operating pressure for dual energy operation: 4 bar  
 ① For special colours in categories 1 and 2, see "Special solutions" and "Colour chart"  
 ③ Total height incl. electric heating element  
 For legend, see "Electric operation and Ecodesign Directive" on page 166

## Zehnder Forma Spa

### Operation on hot water central heating system:

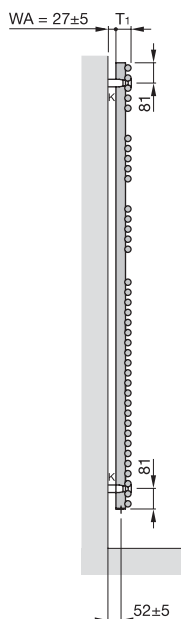
Wall mounting  
Single-layer



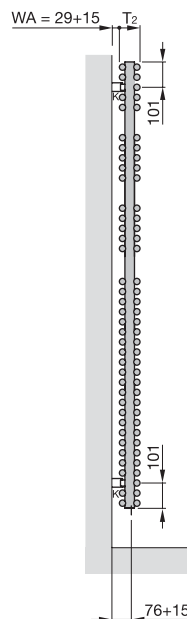
R(V) ↓ V(R)



Wall mounting  
Double-layered



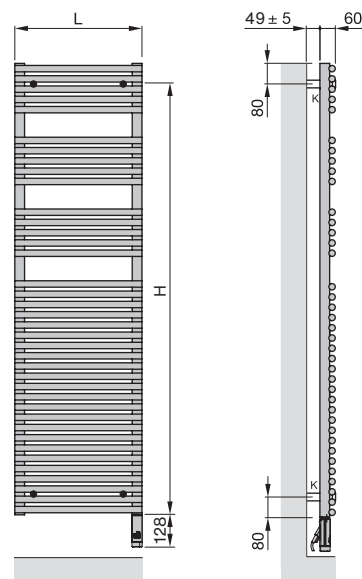
R(V) ↓ V(R)



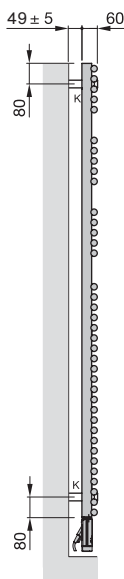
R(V) ↓ V(R)



### Electric operation: with electric heating element IHC<sup>2)</sup>



R(V) ↓ V(R)

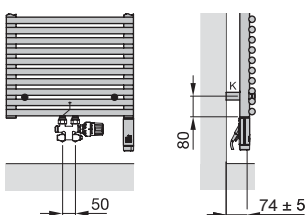


R(V) ↓ V(R)



### Dual energy operation<sup>1)</sup>:

Connection to hot water central  
heating system with electric  
heating element IHC

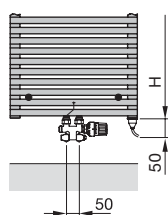


R(V) ↓ V(R)



### Dual energy operation<sup>1)</sup>:

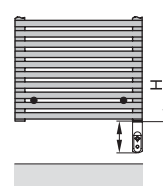
Connection to hot water central  
heating system with electric  
heating element IHE



R(V) ↓ V(R)



### Elektrobetrieb: with electric heating element DBM<sup>3)</sup>



R(V) ↓ V(R)



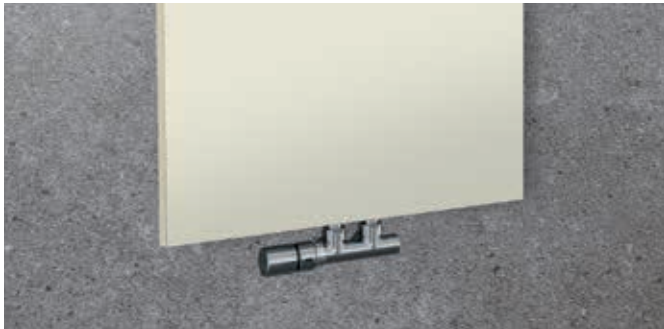
- H = Height
- L = Length
- T<sub>1</sub> = Depth 60 mm
- T<sub>2</sub> = Depth 82 mm
- K = Bracket
- WA = Wall clearance
- V = Flow ½"
- R = Return ½"
- \* = Venting ½"

Dimensions in mm

## Zehnder Fina Lean Bar



Radiator surface: Cream



### Operation on central heating system

Zehnder Fina Lean Bar decorative radiator with smooth front panel made of sheet steel in elegant and slim design, even surface and rounded sides for mounting desired towel rails. One towel rail included in scope of delivery. Heat output according to EN 442, with CE marking. With 2 x 1/2" female thread connection for flow/return at bottom centre, spacing 50 mm, air vent 1/2" at top in back. Radiator with powder coating, in colour RAL 9016 as standard, in special colour on request. Delivered ready to install with wall brackets and packaging.

|                       |              |
|-----------------------|--------------|
| Operating pressure    | max. 6.0 bar |
| Operating temperature | max. 110 °C  |
| Height                | ..... mm     |
| Length                | ..... mm     |
| Model                 | .....        |

### Benefits

- Slim, elegant design
- Easy to clean due to smooth surface
- Convenient hanging of towels with height-adjustable towel rail in chrome
- Optional: additional towel rail for hanging up more towels
- Pleasant warmth due to high proportion of radiation

### Electric-only operation

Zehnder Fina Lean Bar decorative radiator with smooth front panel made of sheet steel in elegant and slim design, even surface and rounded sides for mounting desired towel rails. One towel rail included in scope of delivery. Radiator with sheet steel on the back side, an inside heating wire and a graphite plate between heating wire and front for even and fast heat distribution. With CE marking. Separate, battery-operated remote control device model 2, heating element RACY-S without visible control components on the radiator. Splash-proof IP44, mains connection 230 V. Connection cable 1.2 m long with Schuko plug. Radiator with powder coating, in colour RAL 9016 as standard, in special colour on request. Delivered ready to install with wall brackets and packaging.

### Standard scope of delivery for operation on central heating system

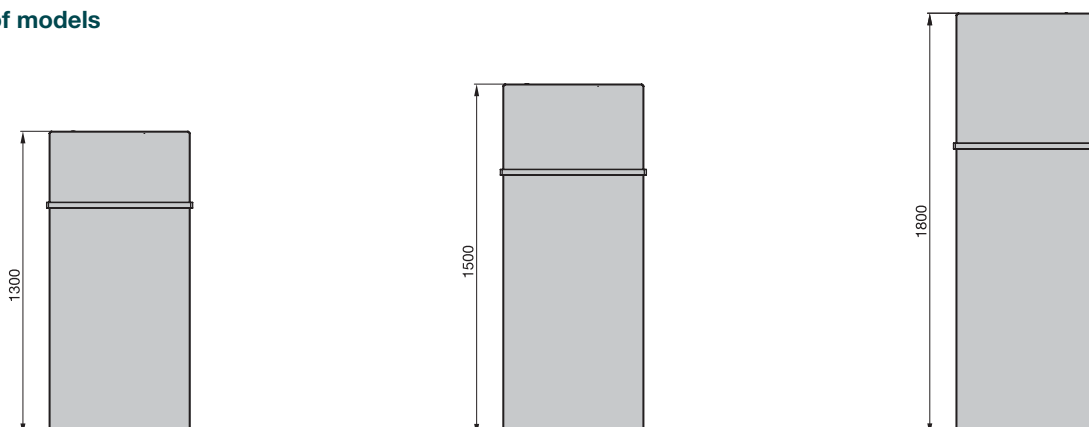
- Powder coating to DIN 55900, RAL 9016
- Towel rail in chrome
- 2 x 1/2" connections at bottom, centric 50 mm
- 1/2" air vent
- Mounting accessories in colour of radiator
- Packaging

### Special advantages for electric operation RACY-S

- Aesthetically appealing design due to concealed electric heating element
- Flexible control options: control device for wall mounting or base.
- Diverse adjustment options: Regulated room temperature or operation in energy-saving or frost-protection mode
- Customizable daily and weekly programmed for convenient, on-demand operation
- Energy-efficient and comfortable heating with innovative open window detection
- Low energy consumption of only 0.5 W in stand-by mode for increased energy efficiency
- Timer function for on-demand operation. Ready-to-plug for easy and quick installation

## Zehnder Fina Lean Bar

### Overview of models



### Connection to hot water central heating system

| Model | H<br>mm | L<br>mm | Thermal output           |               |               |               | Exp.<br>n | Output<br>electric<br>Watt | V<br>dm <sup>3</sup> | M<br>kg | Price<br>RAL 9016<br>€ | Price <sup>①</sup><br>Cat. 1<br>€ |
|-------|---------|---------|--------------------------|---------------|---------------|---------------|-----------|----------------------------|----------------------|---------|------------------------|-----------------------------------|
|       |         |         | EN 442 <sup>②</sup><br>W | 70/55/24<br>W | 55/45/24<br>W | 55/45/20<br>W |           |                            |                      |         |                        |                                   |

#### Painted version

|             |      |     |      |     |     |     |      |   |      |      |          |          |
|-------------|------|-----|------|-----|-----|-----|------|---|------|------|----------|----------|
| FIF-130-050 | 1300 | 500 | 620  | 444 | 274 | 328 | 1,23 | - | 0,90 | 20,9 | 942,39   | 1.177,99 |
| FIF-150-050 | 1500 | 500 | 717  | 516 | 321 | 383 | 1,21 | - | 1,10 | 23,7 | 969,51   | 1.211,89 |
| FIF-180-050 | 1800 | 500 | 863  | 619 | 382 | 458 | 1,23 | - | 1,30 | 28,7 | 1.010,18 | 1.262,73 |
| FIF-130-060 | 1300 | 600 | 723  | 519 | 321 | 384 | 1,23 | - | 1,20 | 24,7 | 969,51   | 1.211,89 |
| FIF-150-060 | 1500 | 600 | 837  | 600 | 371 | 444 | 1,23 | - | 1,40 | 28,3 | 996,63   | 1.245,79 |
| FIF-180-060 | 1800 | 600 | 1008 | 719 | 441 | 529 | 1,25 | - | 1,50 | 31,4 | 1.044,08 | 1.305,10 |
| FIF-130-070 | 1300 | 700 | 824  | 592 | 367 | 439 | 1,22 | - | 1,50 | 28,5 | 1.023,75 | 1.279,70 |
| FIF-150-070 | 1500 | 700 | 954  | 682 | 420 | 503 | 1,24 | - | 1,70 | 32,9 | 1.057,65 | 1.322,06 |
| FIF-180-070 | 1800 | 700 | 1148 | 814 | 495 | 596 | 1,27 | - | 1,80 | 39,6 | 1.105,11 | 1.381,38 |



### Electric-only operation

| Model | H<br>mm | L<br>mm | Output<br>electric<br>Watt | Price<br>RAL 9016<br>€ | Price <sup>①</sup><br>Cat. 1<br>€ |
|-------|---------|---------|----------------------------|------------------------|-----------------------------------|
|-------|---------|---------|----------------------------|------------------------|-----------------------------------|

#### Painted version

|                |      |     |     |          |          |
|----------------|------|-----|-----|----------|----------|
| FIFE-130-050/D | 1300 | 500 | 350 | 1.328,84 | 1.528,16 |
| FIFE-150-050/D | 1500 | 500 | 500 | 1.450,88 | 1.668,50 |
| FIFE-180-050/D | 1800 | 500 | 500 | 1.600,03 | 1.840,03 |
| FIFE-180-060/D | 1800 | 600 | 750 | 1.735,62 | 1.995,96 |
| FIFE-180-070/D | 1800 | 700 | 750 | 1.884,78 | 2.167,50 |

① For special colours in categories 1 and 2, see special solutions and colour chart

② Thermal output to EN 442, ΔT 50 K (75/65/20 °C)

For legend, see "Electric operation and Ecodesign Directive" on page 166 [\[1\]](#)

# Zehnder Fina Lean Bar

## Standard scope of delivery for operation on hot water heating system

- Powder coating to DIN 55900, RAL 9016
- Towel rail in chrome plated
- 2 x ½" connections, bottom center 50 mm
- 1 x ½" air vent
- Mounting accessories in colour of radiator
- Packaging

## Standard scope of delivery for electric operation

- Powder coating to DIN 55900, RAL 9016  
Remote control device, incl. battery, with selectable operating modes: manual (above room temperature), weekly programme, timer, off
- Towel rail in chrome plated
- Mounting accessories in colour of radiator
- Packaging

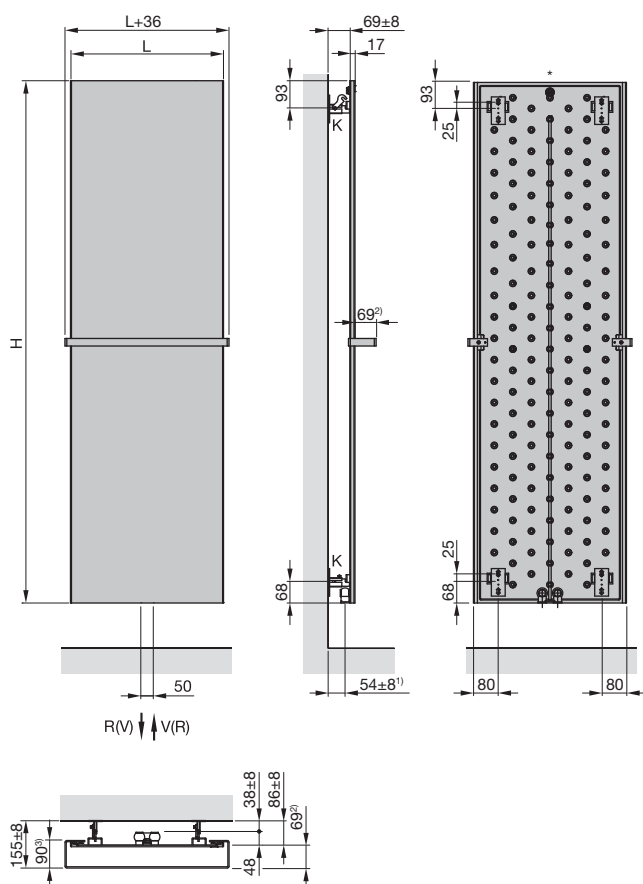
| Special solution on request (surcharge)                            | Article number | Price €            |
|--------------------------------------------------------------------|----------------|--------------------|
| ▪ Special finish to category 2 (surcharge on cat. 1)               | 7600011640     | 146,76             |
| ▪ Towel rail in chrome for radiator length 500 mm                  | 481408         | 162,72             |
| ▪ Zehnder thermostats                                              | -              | See page 158       |
| ▪ Zehnder valves, return screw connections and connection fittings | -              | See p. 159 onwards |

## Zehnder Fina Lean Bar

### Operation on central heating system:

Wall mounting

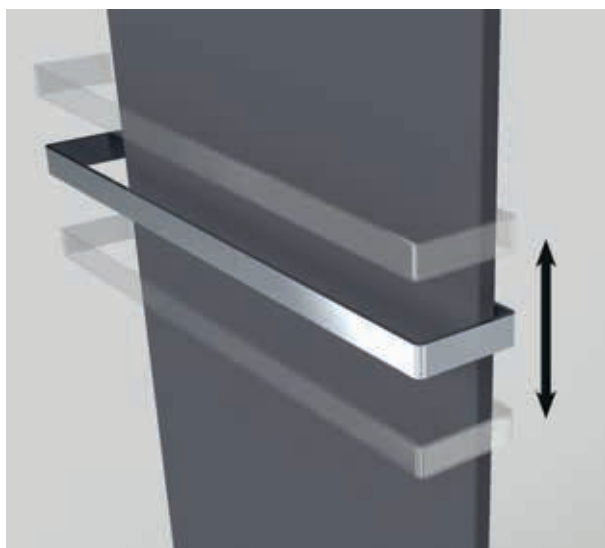
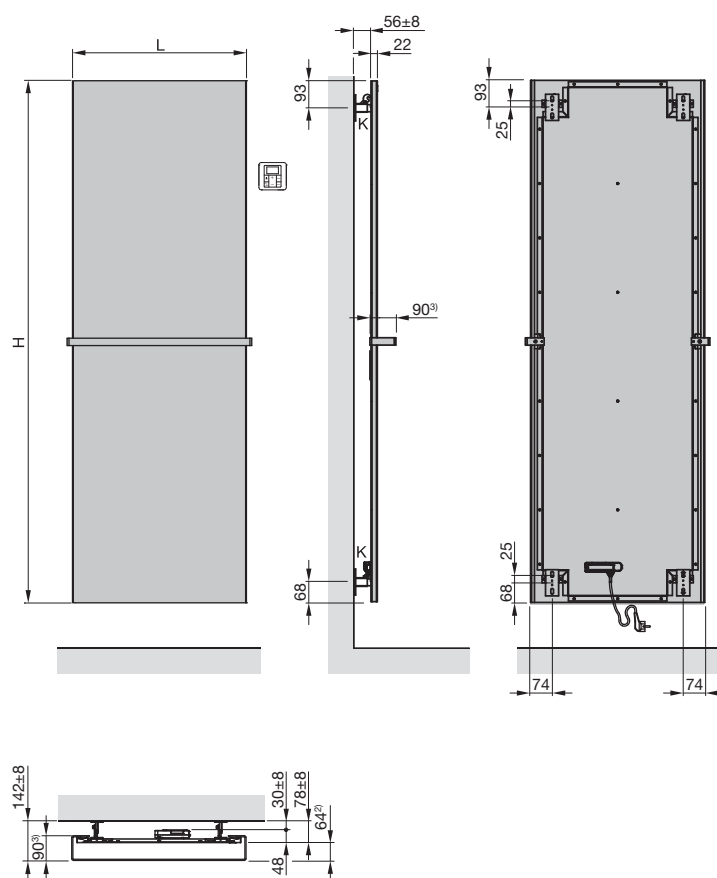
Back side



### Electric operation:

Wall mounting

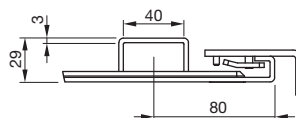
Back side



Towel rail is easy to adjust and can be positioned at any height.

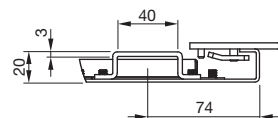
### Operation on central heating system:

Detail suspension lug



### Electric operation:

Detail suspension lug



- H = Height
- L = Length
- V = Flow 1/2"
- R = Return 1/2"
- \* = Venting 1/2"
- K = Bracket

Dimensions in mm

- 1) Distance from wall to middle of connection
- 2) Front edge of towel rail to front edge of radiator
- 3) Depth towel rail

# Zehnder Stalox



Radiator surface: Chrome



## Operation on hot water central heating & open heating systems

Zehnder Stalox decorative radiator made from V4A polished stainless steel comprising horizontally arranged round tubes welded with vertical, square manifold tubes. Square manifold tubes 30 x 30 mm, horizontal round tubes Ø 23 mm. Thermal output to EN 422, with CE marking. 2 x ½" connection at the ends of the manifold tubes for flow, return and air vent. Delivered ready to install with matching wall brackets in stainless steel look and packaging. Radiator also available with powder coating in colour RAL 9016.

|                       |             |
|-----------------------|-------------|
| Operating pressure    | max. 12 bar |
| Operating temperature | max. 120 °C |
| Height                | ..... mm    |
| Length                | ..... mm    |
| Model                 | .....       |

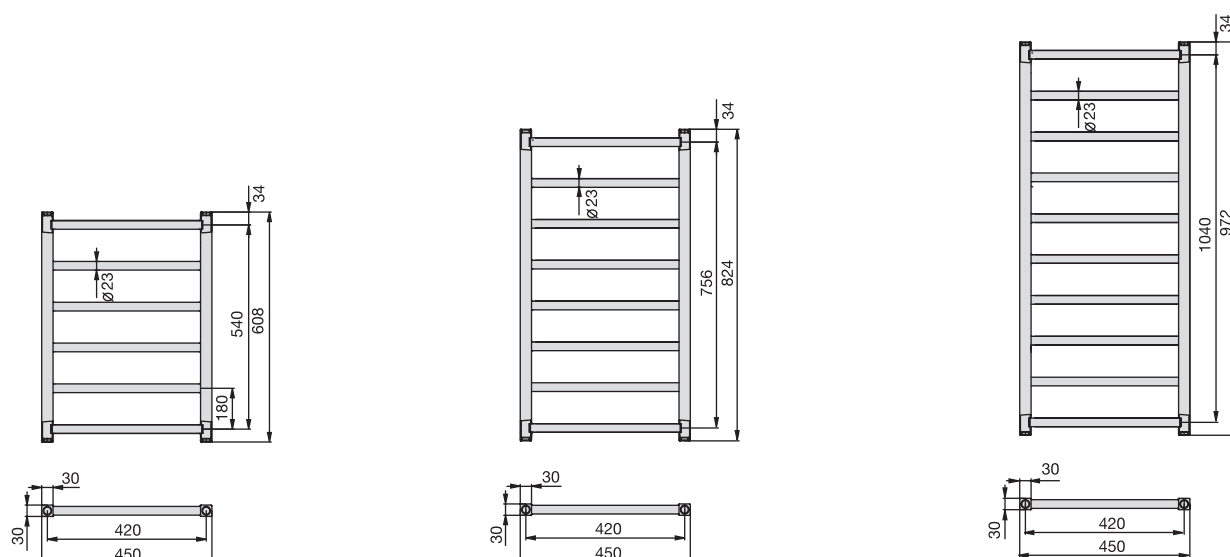
## Benefits

- For open heating system
- Entry-level model suitable for all types of tender businesses
- Small depth
- Flow and return freely selectable
- Classic design with square collectors
- Transparent look



# Zehnder Stalox

## Overview of models



## Connection to hot water central heating and open heating systems

| Model | H  | L  | EN 442 <sup>①</sup> | Thermal output |          |          | Exp. | Classification                   | V               | M  | Price         |
|-------|----|----|---------------------|----------------|----------|----------|------|----------------------------------|-----------------|----|---------------|
|       | mm | mm | W                   | 70/55/24       | 55/45/24 | 55/45/20 | n    | Electric heating element<br>Watt | dm <sup>3</sup> | kg | RAL 9016<br>€ |

| Painted version |      |     |     |     |     |     |      |     |     |     |        |
|-----------------|------|-----|-----|-----|-----|-----|------|-----|-----|-----|--------|
| STX-060-045     | 608  | 450 | 190 | 145 | 83  | 102 | 1,20 | -   | 1,7 | 3,4 | 459,48 |
| STX-080-045     | 824  | 450 | 247 | 189 | 108 | 133 | 1,20 | -   | 2,3 | 4,5 | 512,93 |
| STX-100-045     | 1040 | 450 | 310 | 237 | 135 | 166 | 1,21 | 300 | 2,8 | 5,6 | 612,31 |

| Model | H  | L  | EN 442 <sup>①</sup> | Thermal output |          |          | Exp. | Classification                   | V               | M  | Price                |
|-------|----|----|---------------------|----------------|----------|----------|------|----------------------------------|-----------------|----|----------------------|
|       | mm | mm | W                   | 70/55/24       | 55/45/24 | 55/45/20 | n    | Electric heating element<br>Watt | dm <sup>3</sup> | kg | Stainless steel<br>€ |

| High gloss stainless steel version |      |     |     |     |    |     |      |   |     |     |        |
|------------------------------------|------|-----|-----|-----|----|-----|------|---|-----|-----|--------|
| STXI-060-045                       | 608  | 450 | 125 | 96  | 55 | 68  | 1,17 | - | 1,6 | 3,7 | 654,89 |
| STXI-080-045                       | 824  | 450 | 167 | 128 | 73 | 88  | 1,25 | - | 2,2 | 4,9 | 754,30 |
| STXI-100-045                       | 1040 | 450 | 209 | 160 | 91 | 109 | 1,26 | - | 2,6 | 6,3 | 887,39 |

## Standard scope of delivery for hot water central heating & open heating system

- High gloss stainless steel or on powder coating to DN55900, RAL 9016 on request
- 2 x ½" connections at bottom on the manifold tube
- Air vent ¼"
- Mounting accessories in stainless steel look
- Packaging

| Special solution on request (surcharge)                     | Article number | Price €            |
|-------------------------------------------------------------|----------------|--------------------|
| ▪ Electric heating element for dual energy operation        | -              | See p. 152 onwards |
| ▪ Zehnder valves, lockshield valves and connection fittings | -              | See p. 159 onwards |

① Thermal output measured according to EN 442, ΔT 50 K (75/65/20 °C)

For legend, see "Electric operation and Ecodesign Directive" on page 166

# Zehnder Toga



Radiator surface: Chrome

## Operation on hot water central heating system

Zehnder Toga decorative radiator made from horizontally arranged precision steel tubes with vertical, fully welded D-profile tubes and invisible welds due to laser welding technology. Round tube Ø 23 mm, D-tube 30 x 35 mm.  
Thermal output tested to EN 442, with CE marking.  
Flow/return connection in centre ½" or outside left and right ½", connection 50 mm for connection fitting, connection for electric heating element 2 x ½" at bottom on D-profile tube; air vent to top ¼". Radiator with powder coating, in colour RAL 9016 as standard, in special colour on request.  
Delivered ready to install with matching wall brackets, packaging.

|                       |               |
|-----------------------|---------------|
| Operating pressure    | max. 11.5 bar |
| Operating temperature | max. 110 °C   |
| Height                | ..... mm      |
| Length                | ..... mm      |
| Model                 | .....         |

## Benefits

- Harmonious design through D-profile of vertical tubes
- Can be used as a room divider
- Large cut-outs
- High output due to internal tube design
- Wide range of models
- Top-grade chrome finish
- Easy access connection possible
- Versions for retrofitting



Radiator colour: Beach Gold  
Radiator colour: Traffic White

## Electric operation

Zehnder Toga designer radiator, electric-only, made from horizontally arranged precision steel tubes with vertical, fully welded D-profile tubes and invisible welds due to laser welding technology. Delivered ready to install with elegant wall brackets. Standard version with powder coating in colour RAL 9016, in special colour or chrome on request, with packaging.

## Electric operation with heating element IHC

Heating element IHC with integrated control function and modular control concept. Basic functions can be set directly on the heating element. For an even more comfortable and easy control, remote control EASY (RCE, available as accessory) or the Zehnder Connect app can be used. Control unit colour in either white, grey or black, depending on radiator colour, built-in on right collector tube. Connection cable an plug in radiator colour, protection class IP54.

## Electric operation with heating element IHE

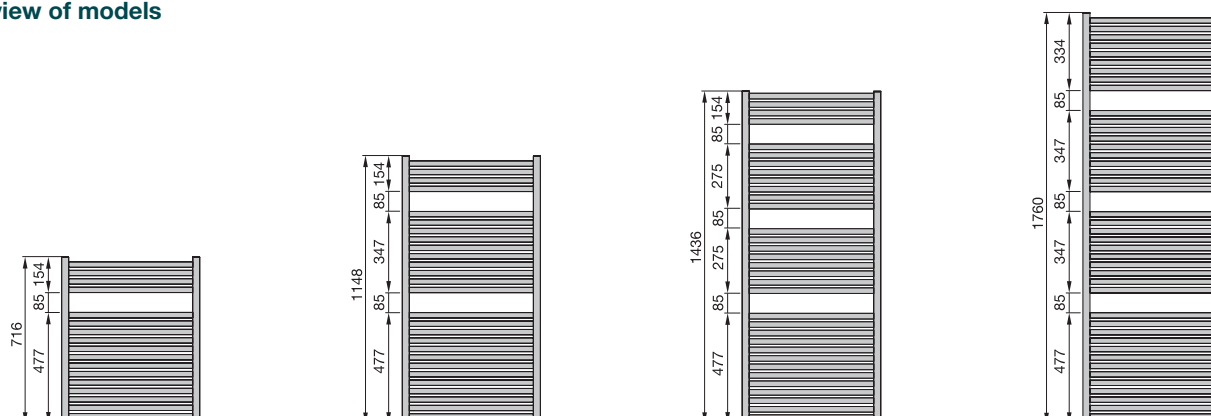
Heating element IHE (without control function) for application in combination with on-site control (e. g. BMS systems). Control unit colour either white or chrome, depending on radiator colour, built-in on right collector tube. Connection cable with Schuko plug in white or grey, protection class IP65.

## Electric operation with heating element RACY-C

Heating element RACY-C, degree of protection IP44 (splash-proof), with Euro plug, installation at bottom left, cover in radiator colour. Separate, battery-operated remote control device model 2 for controlling the room temperature.

# Zehnder Toga

## Overview of models



## Connection to hot water central heating system or for dual energy operation<sup>1)</sup>

| Model | H  | L  | Thermal output      | Exp. | Classification           | V               | M  | Price    | Price <sup>①</sup> |
|-------|----|----|---------------------|------|--------------------------|-----------------|----|----------|--------------------|
|       | mm | mm | EN 442 <sup>②</sup> |      | Electric heating element | dm <sup>3</sup> | kg | RAL 9016 | Cat. 1             |
|       |    |    | W                   | n    | Watt                     |                 |    | €        | €                  |

| Painted version, connection from below |      |      |      |      |     |     |      |      |      |      |        |        |
|----------------------------------------|------|------|------|------|-----|-----|------|------|------|------|--------|--------|
| TG-070-045                             | 716  | 450  | 347  | 249  | 154 | 184 | 1,20 | 300  | 3,4  | 6,2  | 272,06 | 340,07 |
| TG-120-045                             | 1148 | 450  | 539  | 385  | 237 | 284 | 1,22 | 300  | 5,5  | 9,7  | 331,79 | 414,74 |
| TG-180-045                             | 1760 | 450  | 823  | 588  | 362 | 434 | 1,25 | 600  | 8,4  | 16,3 | 463,19 | 578,98 |
| TG-070-050                             | 716  | 500  | 381  | 273  | 169 | 202 | 1,20 | 300  | 3,7  | 6,7  | 297,66 | 372,07 |
| TG-120-050                             | 1148 | 500  | 592  | 423  | 260 | 312 | 1,22 | 300  | 6,0  | 10,5 | 343,71 | 429,63 |
| TG-150-050                             | 1436 | 500  | 736  | 527  | 326 | 386 | 1,24 | 600  | 7,3  | 13,1 | 451,61 | 564,51 |
| TG-180-050                             | 1760 | 500  | 904  | 646  | 397 | 476 | 1,25 | 600  | 9,1  | 17,3 | 476,85 | 596,07 |
| TG-070-060                             | 716  | 600  | 449  | 323  | 200 | 239 | 1,20 | 300  | 4,3  | 7,8  | 331,79 | 414,74 |
| TG-120-060                             | 1148 | 600  | 696  | 497  | 306 | 367 | 1,22 | 600  | 6,9  | 12,0 | 357,40 | 446,75 |
| TG-150-060                             | 1436 | 600  | 866  | 621  | 383 | 454 | 1,24 | 600  | 8,5  | 14,8 | 477,42 | 596,78 |
| TG-180-060                             | 1760 | 600  | 1063 | 762  | 470 | 563 | 1,25 | 900  | 10,6 | 19,4 | 493,93 | 617,40 |
| TG-120-075                             | 1148 | 750  | 849  | 608  | 376 | 450 | 1,22 | 600  | 8,6  | 13,9 | 391,51 | 489,39 |
| TG-180-075                             | 1760 | 750  | 1297 | 932  | 578 | 690 | 1,24 | 1200 | 12,8 | 22,5 | 540,01 | 675,01 |
| TG-180-100                             | 1760 | 1000 | 1675 | 1210 | 756 | 901 | 1,22 | 1200 | 16,5 | 27,7 | 594,55 | 743,20 |

| Model | H  | L  | Thermal output      | Exp. | Classification           | V               | M  | Price    | Price <sup>①</sup> |
|-------|----|----|---------------------|------|--------------------------|-----------------|----|----------|--------------------|
|       | mm | mm | EN 442 <sup>②</sup> |      | Electric heating element | dm <sup>3</sup> | kg | RAL 9016 | Cat. 1             |
|       |    |    | W                   | n    | Watt                     |                 |    | €        | €                  |

| Painted version, connection central 50 mm |      |      |      |      |     |     |      |      |      |      |        |        |
|-------------------------------------------|------|------|------|------|-----|-----|------|------|------|------|--------|--------|
| TG-070-045-05                             | 716  | 450  | 347  | 249  | 154 | 184 | 1,20 | 300  | 3,4  | 6,5  | 344,72 | 430,90 |
| TG-120-045-05                             | 1148 | 450  | 539  | 385  | 237 | 284 | 1,22 | 300  | 5,5  | 10,0 | 404,46 | 505,59 |
| TG-180-045-05                             | 1760 | 450  | 823  | 588  | 362 | 434 | 1,25 | 600  | 8,4  | 16,6 | 535,87 | 669,84 |
| TG-070-050-05                             | 716  | 500  | 381  | 273  | 169 | 202 | 1,20 | 300  | 3,7  | 7,0  | 370,32 | 462,90 |
| TG-120-050-05                             | 1148 | 500  | 592  | 423  | 260 | 312 | 1,22 | 300  | 6,0  | 10,8 | 416,41 | 520,51 |
| TG-150-050-05                             | 1436 | 500  | 736  | 527  | 326 | 386 | 1,24 | 600  | 7,3  | 13,4 | 515,41 | 644,27 |
| TG-180-050-05                             | 1760 | 500  | 904  | 646  | 397 | 476 | 1,25 | 600  | 9,1  | 17,6 | 549,51 | 686,89 |
| TG-070-060-05                             | 716  | 600  | 449  | 323  | 200 | 239 | 1,20 | 300  | 4,3  | 8,1  | 404,46 | 505,59 |
| TG-120-060-05                             | 1148 | 600  | 696  | 497  | 306 | 367 | 1,22 | 600  | 6,9  | 12,3 | 430,07 | 537,60 |
| TG-150-060-05                             | 1436 | 600  | 866  | 621  | 383 | 454 | 1,24 | 600  | 8,5  | 15,1 | 530,75 | 663,44 |
| TG-180-060-05                             | 1760 | 600  | 1063 | 762  | 470 | 563 | 1,25 | 900  | 10,6 | 19,7 | 566,55 | 708,19 |
| TG-120-075-05                             | 1148 | 750  | 849  | 608  | 376 | 450 | 1,22 | 600  | 8,6  | 14,2 | 464,21 | 580,25 |
| TG-180-075-05                             | 1760 | 750  | 1297 | 932  | 578 | 690 | 1,24 | 1200 | 12,8 | 22,8 | 612,65 | 765,82 |
| TG-180-100-05                             | 1760 | 1000 | 1675 | 1210 | 756 | 901 | 1,22 | 1200 | 16,5 | 28,0 | 667,27 | 834,09 |

<sup>1)</sup> Maximum operating pressure for dual energy operation: 4 bar

<sup>①</sup> For special colours in categories 1 and 2, see "Special solutions" and "Colour chart"

<sup>②</sup> Thermal output measured according to EN 442, ΔT 50 K (75/65/20 °C)

## Zehnder Toga

### Connection to hot water central heating system or for dual energy operation<sup>1)</sup>

| Model | H<br>mm | L<br>mm | Thermal output            |               |               | Exp.<br>n | Classification<br>Electric heating<br>element<br>Watt | V<br>dm <sup>3</sup> | M<br>kg | Price<br>Chrome<br>€ |
|-------|---------|---------|---------------------------|---------------|---------------|-----------|-------------------------------------------------------|----------------------|---------|----------------------|
|       |         |         | EN 442 <sup>2)</sup><br>W | 70/55/24<br>W | 55/45/24<br>W |           |                                                       |                      |         |                      |

#### Chrome-plated version, connection from bottom

|             |      |     |     |     |     |      |     |      |      |          |
|-------------|------|-----|-----|-----|-----|------|-----|------|------|----------|
| TGC-070-050 | 716  | 500 | 240 | 169 | 101 | 1,30 | 300 | 3,7  | 6,7  | 968,92   |
| TGC-120-050 | 1148 | 500 | 379 | 267 | 160 | 1,30 | 300 | 5,8  | 10,5 | 1.142,02 |
| TGC-150-050 | 1436 | 500 | 478 | 335 | 201 | 1,31 | 300 | 7,4  | 13,1 | 1.380,89 |
| TGC-180-050 | 1760 | 500 | 596 | 419 | 252 | 1,30 | 300 | 9,3  | 17,3 | 1.508,17 |
| TGC-120-060 | 1148 | 600 | 451 | 317 | 190 | 1,30 | 300 | 6,9  | 12,0 | 1.224,13 |
| TGC-180-060 | 1760 | 600 | 709 | 499 | 299 | 1,30 | 600 | 10,8 | 19,4 | 1.615,42 |



### Electric-only operation with new electric platform

| Model | H <sup>3)</sup><br>mm | L<br>mm | Classification<br>Electric heating<br>element<br>Watt | Price RAL 9016<br>€        |                            | Price Cat. 1 <sup>1)</sup><br>€ |                            |
|-------|-----------------------|---------|-------------------------------------------------------|----------------------------|----------------------------|---------------------------------|----------------------------|
|       |                       |         |                                                       | Heating element<br>IHC (C) | Heating element<br>IHE (A) | Heating element<br>IHC (C)      | Heating element<br>IHE (A) |

#### Painted version

|                 |      |     |      |        |        |          |        |
|-----------------|------|-----|------|--------|--------|----------|--------|
| TGZSS070050E_ZD | 716  | 500 | 300  | 629,81 | 419,79 | 715,38   | 501,64 |
| TGZSS120050E_ZD | 1148 | 500 | 600  | 694,27 | 475,62 | 793,07   | 570,13 |
| TGZSS150050E_ZD | 1436 | 500 | 600  | 818,35 | 594,31 | 948,19   | 718,50 |
| TGZSS180050E_ZD | 1760 | 500 | 900  | 858,88 | 632,24 | 995,98   | 763,38 |
| TGZSS120060E_ZD | 1148 | 600 | 600  | 710,01 | 490,68 | 812,76   | 588,96 |
| TGZSS180060E_ZD | 1760 | 600 | 900  | 878,52 | 651,02 | 1.020,51 | 786,84 |
| TGZSS180075E_ZD | 1760 | 750 | 1200 | 937,26 | 722,71 | 1.092,51 | 871,21 |

| Model | H <sup>3)</sup><br>mm | L<br>mm | Classification<br>Electric heating<br>element<br>Watt | Price Chrome<br>€          |                            |
|-------|-----------------------|---------|-------------------------------------------------------|----------------------------|----------------------------|
|       |                       |         |                                                       | Heating element<br>IHC (C) | Heating element<br>IHE (A) |

#### Chrome-plated version

|                 |      |     |     |          |          |
|-----------------|------|-----|-----|----------|----------|
| TGZCS120050E_ZD | 1148 | 500 | 400 | 1.612,32 | 1.366,22 |
| TGZCS150050E_ZD | 1436 | 500 | 400 | 1.887,02 | 1.628,98 |
| TGZCS180060E_ZD | 1760 | 600 | 600 | 2.168,23 | 1.897,96 |

<sup>1)</sup> For special colours in categories 1 and 2, see “Special solutions” and “Colour chart”

<sup>2)</sup> Thermal output to EN 442, ΔT 50 K (75/65/20°C)

<sup>3)</sup> Total height w/o heating element. For IHC +128 mm, for IHE +50 mm.

For legend, see “Electric operation and Ecodesign Directive” on page 166

## Zehnder Toga



### Electric-only operation

| Model | H <sup>①</sup><br>mm | L<br>mm | Classification<br>Electric heating<br>element<br>Watt | Price<br>RAL 9016<br>€ | Price <sup>②</sup><br>Cat. 1<br>€ |
|-------|----------------------|---------|-------------------------------------------------------|------------------------|-----------------------------------|
|-------|----------------------|---------|-------------------------------------------------------|------------------------|-----------------------------------|

#### Painted version

|               |      |     |      |          |          |
|---------------|------|-----|------|----------|----------|
| TE-070-050/GD | 716  | 500 | 300  | 713,35   | 820,36   |
| TE-120-050/GD | 1148 | 500 | 600  | 846,45   | 973,42   |
| TE-150-050/GD | 1436 | 500 | 750  | 996,63   | 1.146,13 |
| TE-180-050/GD | 1760 | 500 | 900  | 1.090,49 | 1.254,06 |
| TE-120-060/GD | 1148 | 600 | 600  | 872,06   | 1.002,87 |
| TE-180-060/GD | 1760 | 600 | 1200 | 1.138,27 | 1.309,03 |
| TE-180-075/GD | 1760 | 750 | 1500 | 1.274,78 | 1.466,00 |

| Model | H <sup>①</sup><br>mm | L<br>mm | Classification<br>Electric heating<br>element<br>Watt | Price<br>Chrome<br>€ |
|-------|----------------------|---------|-------------------------------------------------------|----------------------|
|-------|----------------------|---------|-------------------------------------------------------|----------------------|

#### Chrome-plated version

|                |      |     |     |          |
|----------------|------|-----|-----|----------|
| TEC-120-050/GD | 1148 | 500 | 300 | 1.836,28 |
| TEC-150-050/GD | 1436 | 500 | 500 | 2.177,59 |
| TEC-180-060/GD | 1760 | 600 | 750 | 2.467,72 |

### Standard scope of delivery for operation on hot water central heating system

- Powder coating to DIN 55900, RAL 9016
- 2 x ½" connections for flow, return
- Retrofit model: 2 x ½" at side, 1 x ½" at bottom
- ¼" directional air vent, right
- Mounting accessories in colour of radiator
- Packaging

### Standard scope of delivery for electric operation

- Powder coating to DIN 55900, RAL 9016
- Filled with heat transfer fluid
- Mounting accessories in colour of radiator
- Packaging
- Version with heating element IHC: With built-in immersion heater in outer manifold and control unit with LED matrix display, control unit white, black or grey (depending on radiator colour), cable and plug in colour of control unit
- Version with heating element IHE: With built-in immersion heater in outer manifold, without control option, control unit in white (if radiator is white ) or chrome (for all other radiator surfaces).
- Version with integrated heating element RACY-C: with remote control device, incl. battery, with selectable operating modes: manual (above room temperature), weekly programme, timer, off.

① For special colours in categories 1 and 2, see "Special solutions" and "Colour chart"

② Total height incl. electric heating element

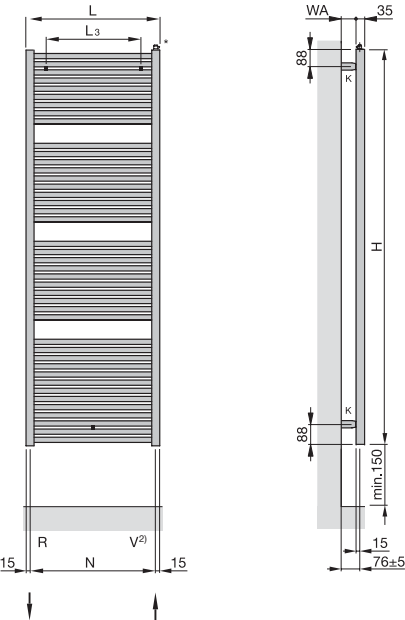
For legend, see "Electric operation and Ecodesign Directive" on page 166 [\[1\]](#)

# Zehnder Toga

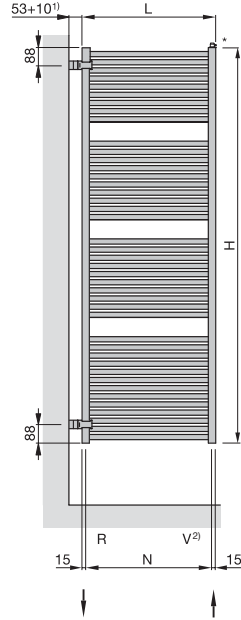
| Special solution on request (surcharge)                                        | Article number | Price €            |
|--------------------------------------------------------------------------------|----------------|--------------------|
| ▪ Special finish to category 2 (surcharge on cat. 1)                           | 2800011640     | 146,76             |
| ▪ Remote control EASY for IHC (RCE)*                                           | 887970         | 133,38             |
| ▪ Surface in metal look: stainless-steel look (reduced output approx. 13%)     | 2800012332     | As in Cat. 1       |
| ▪ Use as room divider with separate mounting accessories                       | -              | See page 138       |
| ▪ Retrofit model with optional lateral connections (same side or opposite-end) | -              | 186,33             |
| ▪ Electric heating element and T-piece for dual energy operation               | -              | See p. 152 onwards |
| ▪ Accessories                                                                  | -              | See page 145       |
| ▪ Lambswool cleaning brush                                                     | 601040         | 60,41              |
| ▪ Zehnder valves, lockshield valves and connection fittings                    | -              | See p. 159 onwards |
| ▪ Wall mounting accessories for extended wall clearance up to 130 mm, white    | 952021         | 117,37             |

## Operation on hot water central heating system:

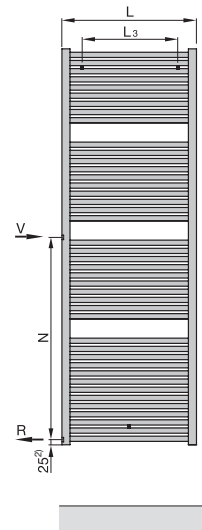
Wall mounting



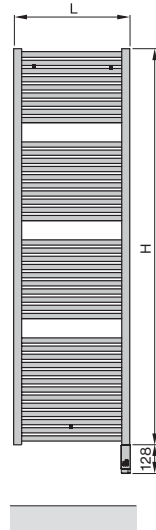
Room divider installation



Retrofit model, connections left

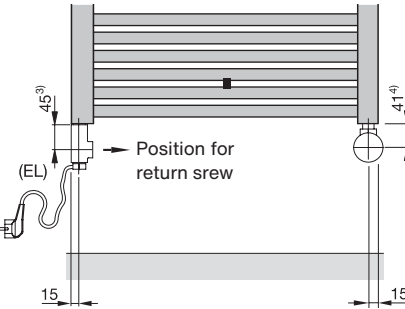


Electric operation:  
with heating element IHC



## Dual energy operation:

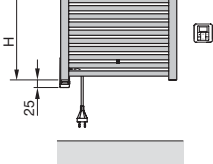
Connection to hot water central heating system with electric heating element (fig. with IHE) and T-piece in return



- H = Height
- L = Length
- EL = Connection for electric heating element (on return side)
- K = Bracket
- V = Flow 1/2"
- R = Return 1/2"
- \* = Venting 1/4"
- N = Connection centre
- L3 = Fixing dimension, L - 150 mm
- WA = Wall clearance 59 ± 5 mm

Dimensions in mm

Electric operation:  
with heating element RACY-C



1) Extension to 103 mm possible with room divider mounting set for increased wall distance, see page 138.  
 2) For custom boss spacing, return connection 34 mm from bottom  
 3) Measurement valid for T-piece long; changes do 20 mm when using T-piece short  
 4) Measurement for Design Line Valve type B  
 5) Changing flow and return possible when changing the dip tube from right to left  
 For legend, see "Electric operation and Ecodesign Directive" on page 166

Remote control EASY can be ordered as accessory for heating element IHC.

# Zehnder Zeta



Radiator colour: Traffic White

## Connecting to hot water central heating system

Subtle elegance and clear lines. With the flat design of its horizontal tube elements 60 x 9 mm, Zehnder Zeta combines form and function in the bathroom. The generous clearance between the sets of tubes makes hanging and warming towels easy. The radiator is available in white and with a quality chrome finish.

|                            |              |
|----------------------------|--------------|
| Maximum operating pressure | max. 4.0 bar |
| Operating temperature      | max. 90 °C   |
| Height                     | ..... mm     |
| Length                     | ..... mm     |
| Model                      | .....        |

## Benefits

- Radiator with flat design
- Flexible installation through right and left connection options

## Standard scope of delivery

- Powder coating to DIN 55900, RAL 9016
- 4 x 1/2" connections for flow/ return, air vents
- 1 x blind plug 1/2"
- 1 x air vent 1/2"
- Accessories in colour of radiator
- Packaging



Radiator surface: Chrome / Zeta Black Matt with Musa Eco

## Electric-only operation

Subtle elegance and clear lines. With the flat design of its horizontal tube elements 60 x 9 mm, Zehnder Zeta combines form and function in the bathroom. The generous clearance between the sets of tubes makes hanging and warming towels easy. With built-in electric heating element Musa Eco. Protection class IP 44 (splash-proof), for mains power supply of 230 V. Connection cable (1,3 m) with Euro plug. Installation at bottom right. Decorative radiator filled with heat transfer fluid. Delivered ready to install with elegant wall brackets. Standard version with powder coating, in colour RAL 9016, black matt or chrome finish.

## Benefits

- High energy efficiency due to compliance with the European Ecodesign Directive reduces energy costs
- User-friendly control device allows simple operation
- Customisable daily and weekly programmes for convenient, on-demand operation
- Increased safety with keylock

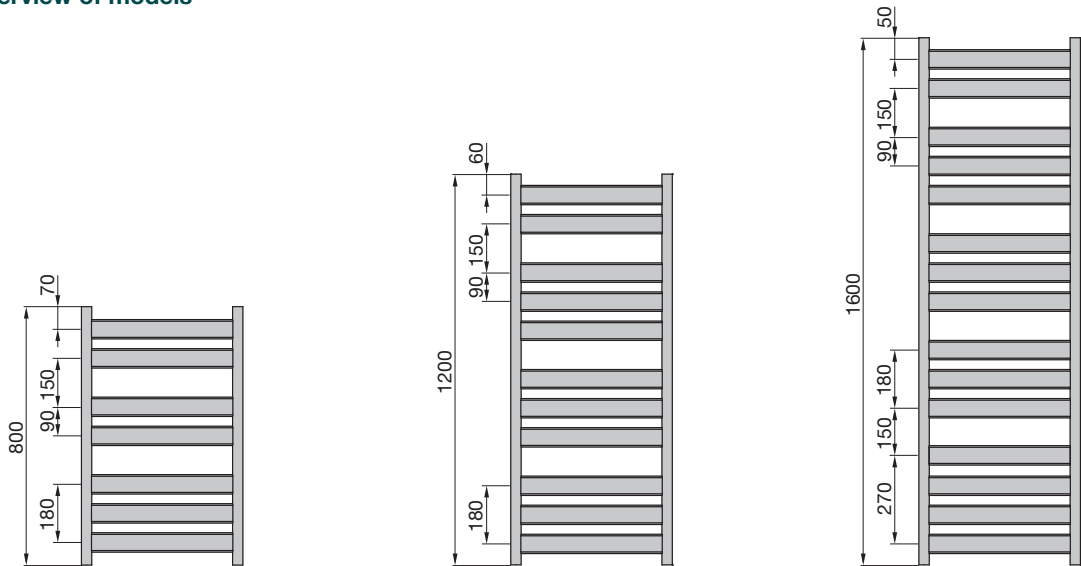
## Standard scope of delivery

- Powder coating to DIN 55900, RAL 9016
- Filled with heat transfer liquid
- With integrated electric heating element MUSA Eco with seven operational modes: comfort, night, anti-freeze, fil-pilot, chrono, timer- 2h, stand-by, right-mounted
- Mounting accessories in colour of radiator
- Packaging



## Zehnder Zeta

### Overview of models



### Connection to hot water central heating system

| Model | H<br>mm | L<br>mm | Thermal output           |               |               | Exp.<br>n | Classification<br>Electric heating<br>element<br>Watt | V<br>dm <sup>3</sup> | M<br>kg | Price<br>RAL 9016<br>€ |
|-------|---------|---------|--------------------------|---------------|---------------|-----------|-------------------------------------------------------|----------------------|---------|------------------------|
|       |         |         | EN 442 <sup>①</sup><br>W | 70/55/24<br>W | 55/45/24<br>W |           |                                                       |                      |         |                        |

| Painted version (White RAL 9016) |      |     |     |     |     |     |      |     |     |      |        |
|----------------------------------|------|-----|-----|-----|-----|-----|------|-----|-----|------|--------|
| ZET-080-050                      | 800  | 500 | 322 | 230 | 141 | 170 | 1,24 | 300 | 2,2 | 6,4  | 263,43 |
| ZET-120-050                      | 1200 | 500 | 476 | 340 | 209 | 253 | 1,24 | 300 | 3,7 | 10,1 | 335,27 |
| ZET-160-050                      | 1600 | 500 | 647 | 463 | 285 | 340 | 1,23 | 600 | 4,6 | 13,3 | 423,58 |
| ZET-080-060                      | 800  | 600 | 377 | 271 | 168 | 201 | 1,22 | 300 | 2,6 | 7,4  | 279,88 |
| ZET-120-060                      | 1200 | 600 | 566 | 405 | 249 | 298 | 1,22 | 300 | 4,4 | 11,3 | 360,73 |
| ZET-160-060                      | 1600 | 600 | 746 | 533 | 328 | 397 | 1,23 | 600 | 5,5 | 15,3 | 463,97 |

| Model | H<br>mm | L<br>mm | EN 442 <sup>①</sup><br>W | Thermal output |               |               | Exp.<br>n | Classification<br>Electric heating<br>element<br>Watt | V<br>dm <sup>3</sup> | M<br>kg | Price<br>Anthracite<br>€ |
|-------|---------|---------|--------------------------|----------------|---------------|---------------|-----------|-------------------------------------------------------|----------------------|---------|--------------------------|
|       |         |         |                          | 70/55/24<br>W  | 55/45/24<br>W | 55/45/20<br>W |           |                                                       |                      |         |                          |

| Painted version (Black matt RAL 9205) |      |     |     |     |     |     |      |     |     |      |        |
|---------------------------------------|------|-----|-----|-----|-----|-----|------|-----|-----|------|--------|
| ZET-120-050-9205                      | 1200 | 500 | 476 | 340 | 209 | 253 | 1,24 | 300 | 3,7 | 10,1 | 368,98 |

| Model | H<br>mm | L<br>mm | EN 442 <sup>①</sup><br>W | Thermal output |               |               | Exp.<br>n | Classification<br>Electric heating<br>element<br>Watt | V<br>dm <sup>3</sup> | M<br>kg | Price<br>Chrome<br>€ |
|-------|---------|---------|--------------------------|----------------|---------------|---------------|-----------|-------------------------------------------------------|----------------------|---------|----------------------|
|       |         |         |                          | 70/55/24<br>W  | 55/45/24<br>W | 55/45/20<br>W |           |                                                       |                      |         |                      |

| Chrome-plated version |      |     |     |     |     |     |      |     |     |      |        |
|-----------------------|------|-----|-----|-----|-----|-----|------|-----|-----|------|--------|
| ZETC-080-050          | 800  | 500 | 203 | 144 | 88  | 106 | 1,26 | -   | 2,2 | 6,4  | 428,05 |
| ZETC-120-050          | 1200 | 500 | 303 | 214 | 130 | 156 | 1,28 | 300 | 3,7 | 10,0 | 526,86 |
| ZETC-160-050          | 1600 | 500 | 394 | 279 | 169 | 205 | 1,27 | 300 | 4,6 | 13,2 | 670,53 |
| ZETC-080-060          | 800  | 600 | 235 | 168 | 103 | 123 | 1,25 | -   | 2,6 | 7,4  | 453,51 |
| ZETC-120-060          | 1200 | 600 | 353 | 250 | 151 | 183 | 1,27 | 300 | 4,4 | 11,4 | 571,74 |
| ZETC-160-060          | 1600 | 600 | 457 | 322 | 194 | 237 | 1,28 | 300 | 5,5 | 15,3 | 727,39 |

① Thermal output measured according to EN 442, ΔT 50 K (75/65/20 °C)

## Zehnder Zeta

### Electric only operation with Musa Eco

| Model | H  | L  | Classification<br>Electric heating<br>element<br>Watt | V               | M  | Price<br>RAL 9016<br>€ |
|-------|----|----|-------------------------------------------------------|-----------------|----|------------------------|
|       | mm | mm |                                                       | dm <sup>3</sup> | kg |                        |

#### Painted version (White RAL 9016)

|                 |      |     |     |     |      |        |
|-----------------|------|-----|-----|-----|------|--------|
| ZETE-080-050/MQ | 800  | 500 | 300 | 3,2 | 8,9  | 367,57 |
| ZETE-095-050/MQ | 950  | 500 | 400 | 3,5 | 10,7 | 400,40 |
| ZETE-120-050/MQ | 1200 | 500 | 500 | 4,6 | 13,7 | 442,28 |
| ZETE-120-060/MQ | 1200 | 600 | 600 | 5,5 | 15,3 | 468,76 |
| ZETE-160-060/MQ | 1600 | 600 | 750 | 7,0 | 20,5 | 576,13 |

| Model | H  | L  | Classification<br>Electric heating<br>element<br>Watt | V               | M  | Price<br>RAL 9205<br>€ |
|-------|----|----|-------------------------------------------------------|-----------------|----|------------------------|
|       | mm | mm |                                                       | dm <sup>3</sup> | kg |                        |

#### Painted version (Black matt RAL 9205)

|                       |      |     |     |     |      |        |
|-----------------------|------|-----|-----|-----|------|--------|
| ZETBE-080-050/MQ-9205 | 800  | 500 | 300 | 3,2 | 8,9  | 395,20 |
| ZETBE-095-050/MQ-9205 | 950  | 500 | 400 | 3,5 | 10,7 | 431,60 |
| ZETBE-120-050/MQ-9205 | 1200 | 500 | 500 | 4,6 | 13,7 | 477,34 |
| ZETBE-160-060/MQ-9205 | 1600 | 600 | 750 | 7,0 | 20,5 | 624,00 |

| Model | H  | L  | Classification<br>Electric heating<br>element<br>Watt | V               | M  | Price<br>Chrome<br>€ |
|-------|----|----|-------------------------------------------------------|-----------------|----|----------------------|
|       | mm | mm |                                                       | dm <sup>3</sup> | kg |                      |

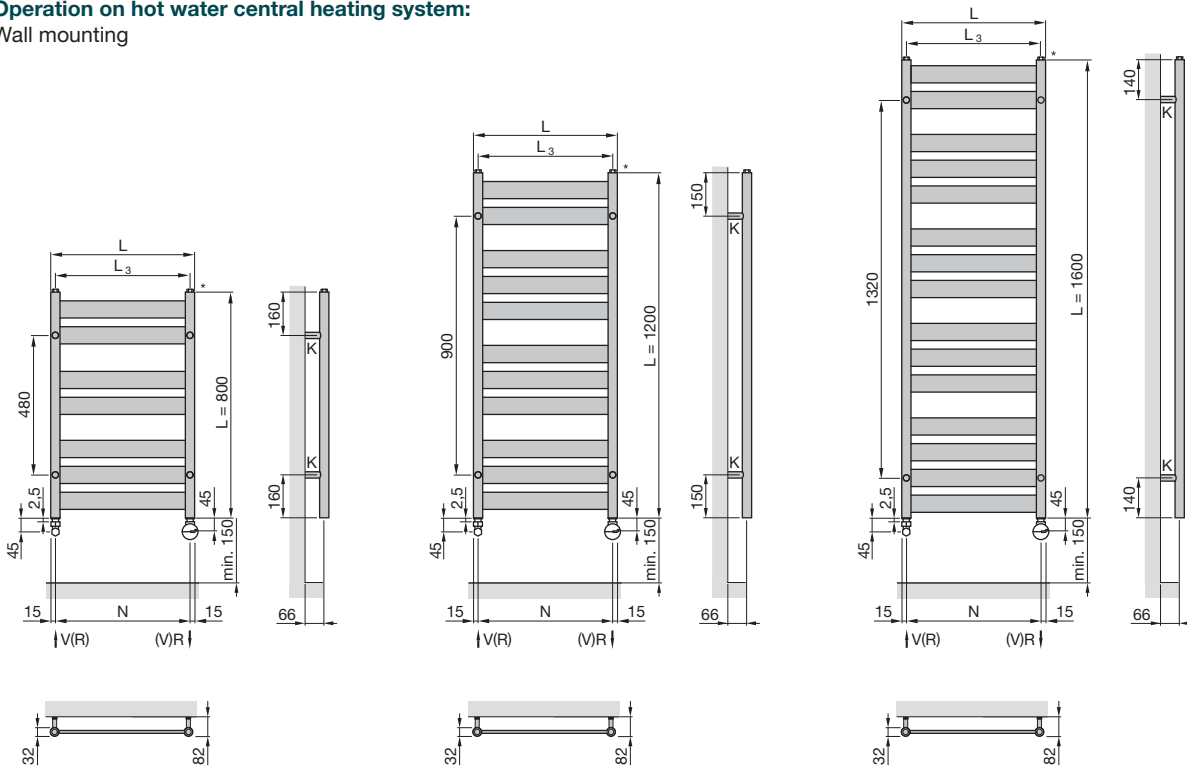
#### Chrome-plated version

|                  |      |     |     |     |      |        |
|------------------|------|-----|-----|-----|------|--------|
| ZETCE-080-050/MQ | 800  | 500 | 150 | 3,2 | 8,9  | 538,77 |
| ZETCE-095-050/MQ | 950  | 500 | 200 | 3,5 | 10,8 | 577,20 |
| ZETCE-120-050/MQ | 1200 | 500 | 300 | 4,6 | 13,7 | 641,53 |
| ZETCE-120-060/MQ | 1200 | 600 | 300 | 5,5 | 15,4 | 688,21 |
| ZETCE-160-060/MQ | 1600 | 600 | 400 | 7,0 | 20,6 | 850,09 |

## Zehnder Zeta

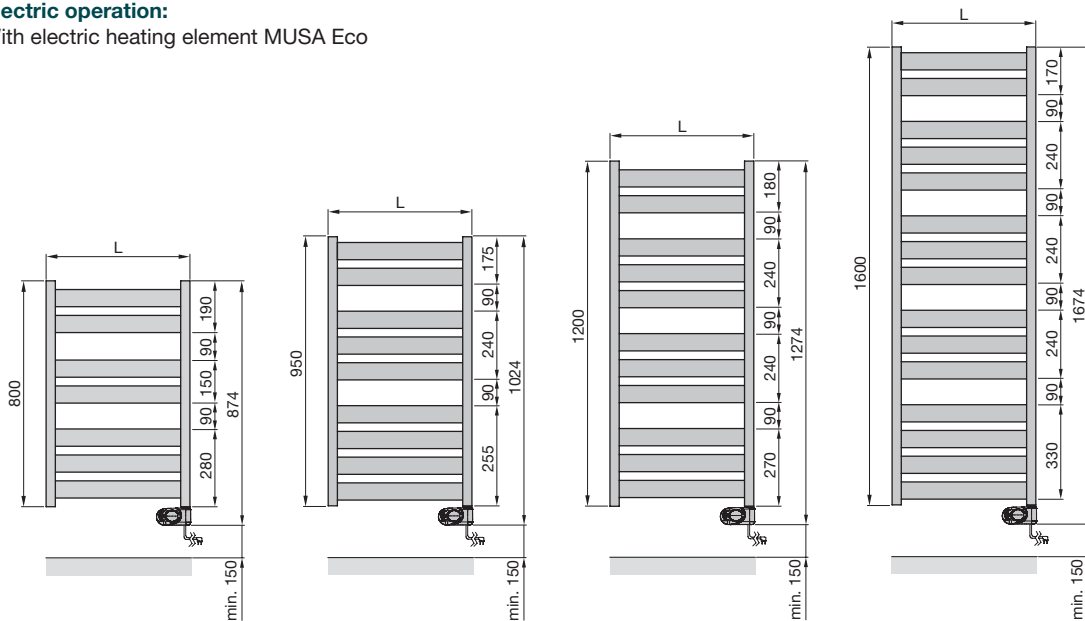
### Operation on hot water central heating system:

Wall mounting



### Electric operation:

With electric heating element MUSA Eco



H = Height  
L = Length  
K = Bracket  
V = Flow ½"  
R = Return ½"  
N = Boss spacing,  
L - 32 mm  
L<sub>3</sub> = Length - 32 mm

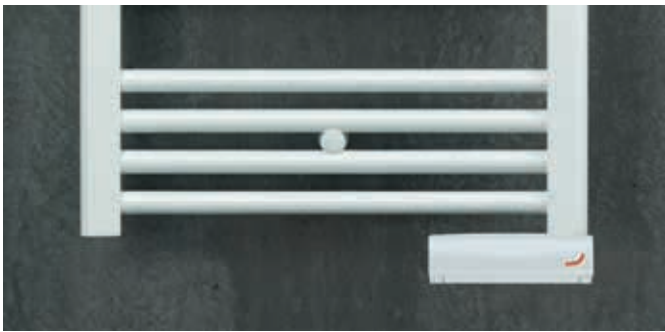
Dimensions in mm

| Special solution on request (surcharge)                     | Article number | Price €            |
|-------------------------------------------------------------|----------------|--------------------|
| ▪ Electric heating element for dual energy operation        | -              | See p. 152 onwards |
| ▪ Zehnder valves, lockshield valves and connection fittings | -              | See p. 159 onwards |
| ▪ Zehnder thermostats                                       | -              | See page 158       |

# Zehnder Virando



Radiator surface: Beach Gold



Radiator for electric operation with TIMERMemo

## Hot water operation

Clarity and class. Zehnder Virando has what any lover of modern style looks for. A clear design, with horizontal and straight tube elements allows for ample space for hanging towels. Zehnder Virando designer radiator made from horizontally arranged precision steel tubes with vertical D-profile tubes. Round tubes Ø 23 mm, D-tubes 30 x 40 mm. Available in almost any colour and finish from the Zehnder colour chart. Delivered ready to install with matching wall brackets, packaging.

|                            |             |
|----------------------------|-------------|
| Maximum operating pressure | max. 12 bar |
| Operating temperature      | max. 120 °C |
| Height                     | ..... mm    |
| Length                     | ..... mm    |
| Model                      | .....       |

## Benefits

- Timeless design creates an aesthetic accent
- Generous spaces between the tubes convenient for hanging towels
- Top-grade chrome finish
- Ample spaces between tubes make cleaning easy
- Flexible installation due to 50 mm centre connections

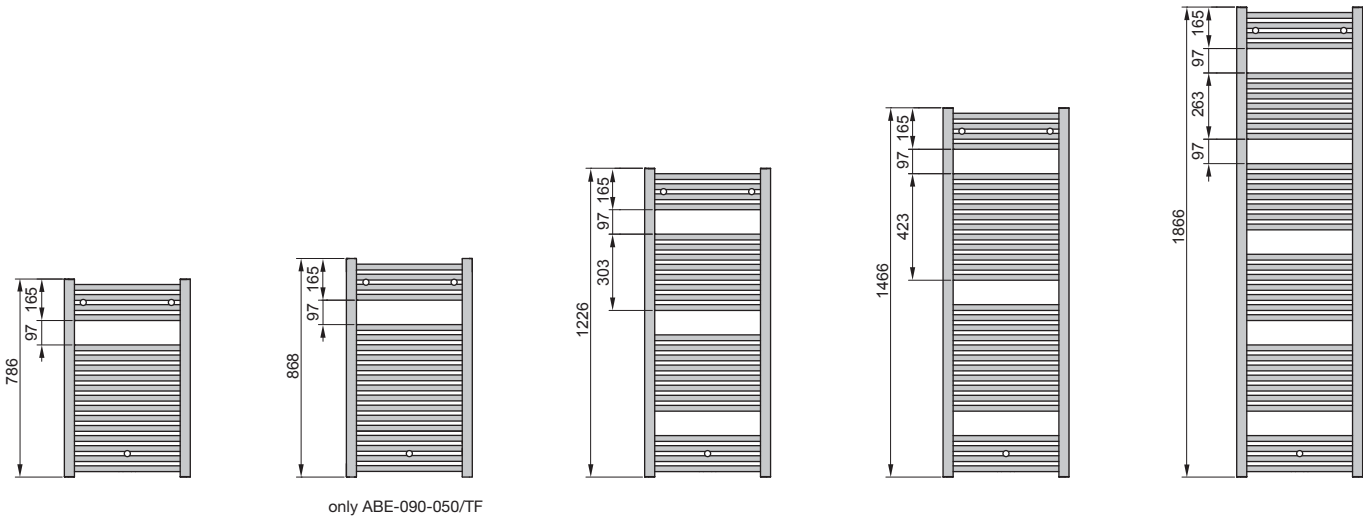
## Special benefits for electric operation with TIMERMemo

- Energy-efficient and comfortable heating via innovative “open window detection”
- Low energy consumption of only 0,5 W in stand-by mode for increased energy efficiency
- Operation by smartphone with Zehnder Control app
- Comfortable operation as needed by customisable daily and weekly programme
- Timer function for on-demand operation
- With flying lead to connect in accordance with local electrical regulations



# Zehnder Virando

## Overview of models



## Connection to hot water central heating system or for dual energy operation

| Model                                   | H<br>mm | L<br>mm | EN 442 <sup>①</sup><br>W | Thermal output |               |               | Exp.<br>n | Classification<br>Electric heating<br>element<br>Watt | V<br>dm <sup>3</sup> | M<br>kg | Price<br>RAL 9016<br>€ | Price<br>Cat. 1<br>€ | Price<br>Cat. 2<br>€ |
|-----------------------------------------|---------|---------|--------------------------|----------------|---------------|---------------|-----------|-------------------------------------------------------|----------------------|---------|------------------------|----------------------|----------------------|
|                                         |         |         |                          | 70/55/24<br>W  | 55/45/24<br>W | 55/45/20<br>W |           |                                                       |                      |         |                        |                      |                      |
| Painted version, connection from bottom |         |         |                          |                |               |               |           |                                                       |                      |         |                        |                      |                      |
| AB-080-045                              | 786     | 450     | 344                      | 244            | 149           | 179           | 1,26      | 300                                                   | 3,6                  | 5,6     | 123,48                 | 152,43               | 225,81               |
| AB-120-045                              | 1226    | 450     | 505                      | 358            | 218           | 262           | 1,27      | 300                                                   | 5,3                  | 8,2     | 175,42                 | 219,28               | 292,66               |
| AB-080-050                              | 786     | 500     | 379                      | 269            | 164           | 197           | 1,26      | 300                                                   | 3,9                  | 6,0     | 130,60                 | 156,89               | 230,27               |
| AB-120-050                              | 1226    | 500     | 552                      | 391            | 237           | 286           | 1,27      | 300                                                   | 5,7                  | 9,0     | 180,79                 | 225,99               | 299,37               |
| AB-150-050                              | 1466    | 500     | 678                      | 481            | 293           | 353           | 1,27      | 600                                                   | 7,2                  | 11,0    | 230,88                 | 288,60               | 321,33               |
| AB-180-050                              | 1866    | 500     | 830                      | 590            | 360           | 433           | 1,26      | 600                                                   | 8,7                  | 13,5    | 230,09                 | 287,62               | 361,00               |
| AB-080-060                              | 786     | 600     | 448                      | 318            | 194           | 234           | 1,26      | 300                                                   | 4,6                  | 7,0     | 142,90                 | 171,70               | 236,97               |
| AB-120-060                              | 1226    | 600     | 648                      | 460            | 280           | 337           | 1,26      | 600                                                   | 6,6                  | 10,0    | 189,69                 | 237,12               | 310,50               |
| AB-150-060                              | 1466    | 600     | 794                      | 565            | 346           | 415           | 1,25      | 600                                                   | 8,2                  | 12,7    | 213,06                 | 261,06               | 334,44               |
| AB-180-060                              | 1866    | 600     | 978                      | 697            | 427           | 512           | 1,25      | 900                                                   | 9,9                  | 16,0    | 252,08                 | 303,05               | 376,43               |
| AB-120-075                              | 1226    | 750     | 791                      | 562            | 343           | 412           | 1,26      | 600                                                   | 7,9                  | 12,4    | 208,04                 | 260,05               | 333,43               |
| AB-150-075                              | 1466    | 750     | 968                      | 691            | 424           | 509           | 1,24      | 900                                                   | 9,7                  | 15,2    | 244,72                 | 305,90               | 379,28               |
| AB-180-075                              | 1866    | 750     | 1230                     | 879            | 540           | 648           | 1,24      | 900                                                   | 11,7                 | 18,4    | 286,22                 | 357,78               | 431,16               |

| Model                                     | H<br>mm | L<br>mm | EN 442 <sup>①</sup><br>W | Thermal output |               |               | Exp.<br>n | Classification<br>Electric heating<br>element<br>Watt | V<br>dm <sup>3</sup> | M<br>kg | Price<br>RAL 9016<br>€ | Price<br>Cat. 1<br>€ | Price<br>Cat. 2<br>€ |
|-------------------------------------------|---------|---------|--------------------------|----------------|---------------|---------------|-----------|-------------------------------------------------------|----------------------|---------|------------------------|----------------------|----------------------|
|                                           |         |         |                          | 70/55/24<br>W  | 55/45/24<br>W | 55/45/20<br>W |           |                                                       |                      |         |                        |                      |                      |
| Painted version, connection central 50 mm |         |         |                          |                |               |               |           |                                                       |                      |         |                        |                      |                      |
| AB-080-045-05                             | 786     | 450     | 344                      | 244            | 149           | 179           | 1,26      | 300                                                   | 3,6                  | 5,9     | 140,76                 | 175,95               | 249,33               |
| AB-080-050-05                             | 786     | 500     | 379                      | 269            | 164           | 197           | 1,26      | 300                                                   | 3,9                  | 6,3     | 148,56                 | 180,55               | 253,93               |
| AB-120-050-05                             | 1226    | 500     | 552                      | 393            | 240           | 288           | 1,26      | 300                                                   | 5,7                  | 9,3     | 214,22                 | 251,73               | 325,11               |
| AB-150-050-05                             | 1466    | 500     | 678                      | 481            | 293           | 353           | 1,27      | 600                                                   | 7,2                  | 11,3    | 219,47                 | 274,34               | 347,72               |
| AB-180-050-05                             | 1866    | 500     | 830                      | 590            | 360           | 433           | 1,26      | 600                                                   | 8,7                  | 13,8    | 252,13                 | 315,16               | 388,54               |
| AB-120-060-05                             | 1226    | 600     | 648                      | 460            | 281           | 337           | 1,26      | 600                                                   | 6,6                  | 10,3    | 248,60                 | 263,15               | 336,53               |
| AB-150-060-05                             | 1466    | 600     | 794                      | 565            | 346           | 415           | 1,25      | 600                                                   | 8,2                  | 13,0    | 230,22                 | 287,78               | 361,16               |
| AB-180-060-05                             | 1866    | 600     | 978                      | 697            | 427           | 512           | 1,25      | 900                                                   | 9,9                  | 16,3    | 270,04                 | 331,08               | 404,46               |

① Thermal output measured according to EN 442, ΔT 50 K (75/65/20 °C)

## Zehnder Virando

### Connection to hot water central heating system or for dual energy operation

| Model | H<br>mm | L<br>mm | Thermal output           |               |               |               | Exp.<br>n | Classification<br>Electric heating<br>element<br>Watt | V<br>dm <sup>3</sup> | M<br>kg | Price<br>Chrome<br>€ |
|-------|---------|---------|--------------------------|---------------|---------------|---------------|-----------|-------------------------------------------------------|----------------------|---------|----------------------|
|       |         |         | EN 442 <sup>①</sup><br>W | 70/55/24<br>W | 55/45/24<br>W | 55/45/20<br>W |           |                                                       |                      |         |                      |

#### Chrome-plated version, connection from below

|             |      |     |     |     |     |     |      |     |     |      |        |
|-------------|------|-----|-----|-----|-----|-----|------|-----|-----|------|--------|
| ABC-080-050 | 786  | 500 | 277 | 198 | 122 | 146 | 1,24 | -   | 3,9 | 6,0  | 402,68 |
| ABC-120-050 | 1226 | 500 | 403 | 286 | 174 | 209 | 1,27 | 300 | 5,7 | 9,0  | 545,88 |
| ABC-150-050 | 1466 | 500 | 483 | 345 | 212 | 254 | 1,24 | 300 | 7,2 | 11,0 | 656,30 |
| ABC-180-050 | 1866 | 500 | 606 | 433 | 266 | 319 | 1,24 | 600 | 8,7 | 14,0 | 784,68 |
| ABC-080-060 | 786  | 600 | 327 | 234 | 144 | 172 | 1,24 | 300 | 4,6 | 7,0  | 454,98 |
| ABC-120-060 | 1226 | 600 | 473 | 336 | 205 | 247 | 1,26 | 300 | 6,6 | 10,0 | 620,22 |
| ABC-150-060 | 1466 | 600 | 558 | 399 | 245 | 294 | 1,24 | 300 | 8,2 | 12,7 | 750,68 |
| ABC-180-060 | 1866 | 600 | 714 | 509 | 312 | 374 | 1,25 | 600 | 9,9 | 16,0 | 897,36 |

| Model | H<br>mm | L<br>mm | Thermal output           |               |               |               | Exp.<br>n | Classification<br>Electric heating<br>element<br>Watt | V<br>dm <sup>3</sup> | M<br>kg | Price<br>Chrome<br>€ |
|-------|---------|---------|--------------------------|---------------|---------------|---------------|-----------|-------------------------------------------------------|----------------------|---------|----------------------|
|       |         |         | EN 442 <sup>①</sup><br>W | 70/55/24<br>W | 55/45/24<br>W | 55/45/20<br>W |           |                                                       |                      |         |                      |

#### Chrome-plated version, connection central 50 mm

|                |      |     |     |     |     |     |      |     |     |      |        |
|----------------|------|-----|-----|-----|-----|-----|------|-----|-----|------|--------|
| ABC-080-050-05 | 786  | 500 | 277 | 198 | 122 | 146 | 1,24 | -   | 3,9 | 6,0  | 434,34 |
| ABC-120-050-05 | 1226 | 500 | 403 | 286 | 174 | 209 | 1,27 | 300 | 5,7 | 9,0  | 577,54 |
| ABC-150-050-05 | 1466 | 500 | 483 | 345 | 212 | 254 | 1,24 | 300 | 7,2 | 11,0 | 687,92 |
| ABC-180-050-05 | 1866 | 500 | 606 | 433 | 266 | 319 | 1,24 | 600 | 8,7 | 14,0 | 816,26 |
| ABC-080-060-05 | 786  | 600 | 327 | 234 | 144 | 172 | 1,24 | 300 | 4,6 | 7,0  | 486,64 |
| ABC-120-060-05 | 1226 | 600 | 473 | 336 | 205 | 247 | 1,26 | 300 | 6,6 | 10,0 | 651,74 |
| ABC-150-060-05 | 1466 | 600 | 558 | 399 | 245 | 294 | 1,24 | 300 | 8,2 | 12,7 | 782,18 |
| ABC-180-060-05 | 1866 | 600 | 714 | 509 | 312 | 374 | 1,25 | 600 | 9,9 | 16,0 | 928,90 |

### Electric-only operation with TIMERMEMO

| Model | H <sup>②</sup><br>mm | L <sup>③</sup><br>mm | Classification<br>Electric heating<br>element<br>Watt | Price<br>RAL 9016<br>€ | Price<br>Cat. 1<br>€ | Price<br>Cat. 2<br>€ |
|-------|----------------------|----------------------|-------------------------------------------------------|------------------------|----------------------|----------------------|
|-------|----------------------|----------------------|-------------------------------------------------------|------------------------|----------------------|----------------------|

#### Painted version

|                |      |     |      |        |        |        |
|----------------|------|-----|------|--------|--------|--------|
| ABE-090-050/TF | 916  | 509 | 500  | 317,99 | 365,68 | 439,06 |
| ABE-120-050/TF | 1276 | 509 | 750  | 367,08 | 422,14 | 495,52 |
| ABE-150-060/TF | 1516 | 609 | 1000 | 419,41 | 482,32 | 555,70 |

Available in almost any colour and finish from the Zehnder colour chart, see page 174.  
Control unit TIMERMEMO in white.

#### Standard scope of delivery for hot water operation

- Powder coating to DIN 55900, RAL 9016
- 4 x ½" connections for flow, return, air vent and plug
- 1 air vent ½" and 1 blind plug ½"
- Mounting accessories in colour of radiator
- Packaging

#### Standard scope of delivery for electric operation

- Powder coating to DIN 55900, RAL 9016
- Filled with heat transfer liquid
- With integrated electric heating element and control unit TIMERMEMO in white, right-mounted
- Mounting accessories in colour of radiator
- Packaging

① Thermal output measured according to EN 442, ΔT 50 K (75/65/20 °C)

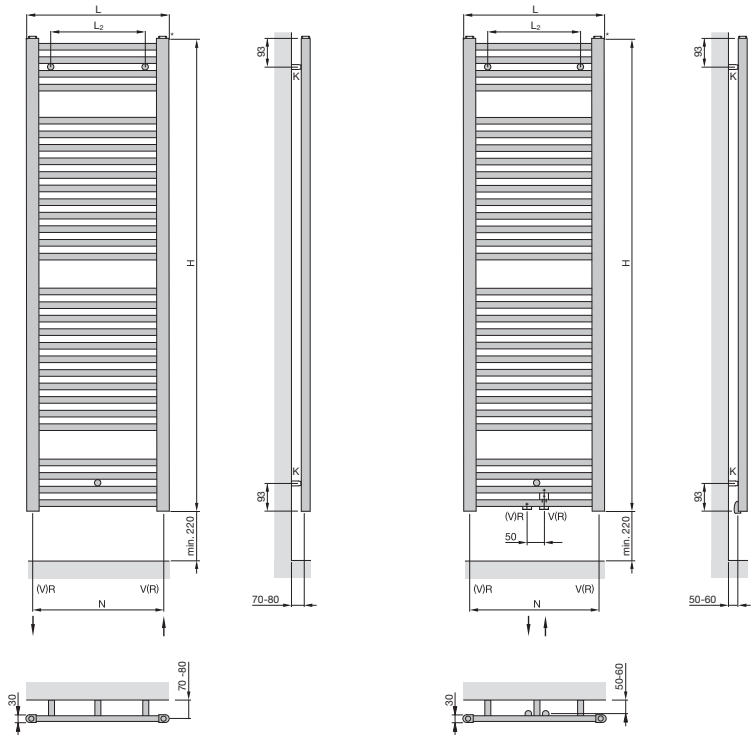
② Total height incl. immersion heater

③ Total length incl. immersion heater

# Zehnder Virando

Hot water operation:  
Wall mounting

Wall mounting  
centre connections 50 mm



- H = Height
- L = Length
- K = Bracket
- V = Flow 1/2"
- R = Return 1/2"
- N = Boss spacing, L - 44 mm
- L<sub>2</sub> = Length - 150 mm

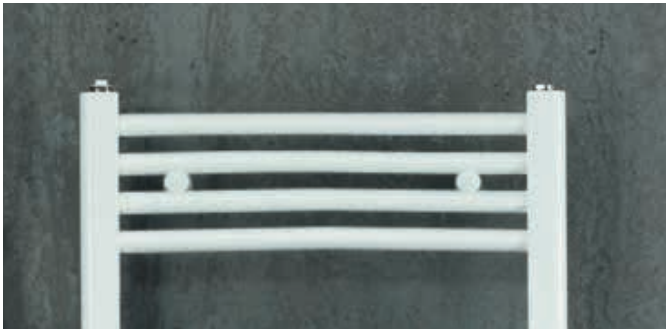
Dimensions in mm



# Zehnder Virando Bow



Radiator surface: *Ruby Red*



## Hot water operation

Clarity and class. Zehnder Virando Bow has what any lover of modern style looks for. A clear design, with horizontal and straight tube elements allows for ample space for hanging towels.

Zehnder Virando Bow designer radiator made from horizontally arranged precision curved steel tubes with vertical D-profile tubes. Round tubes Ø 23 mm, D-tubes 30 x 40 mm. Available in almost any colour and finish from the Zehnder colour chart. Delivered ready to install with matching wall brackets, packaging.

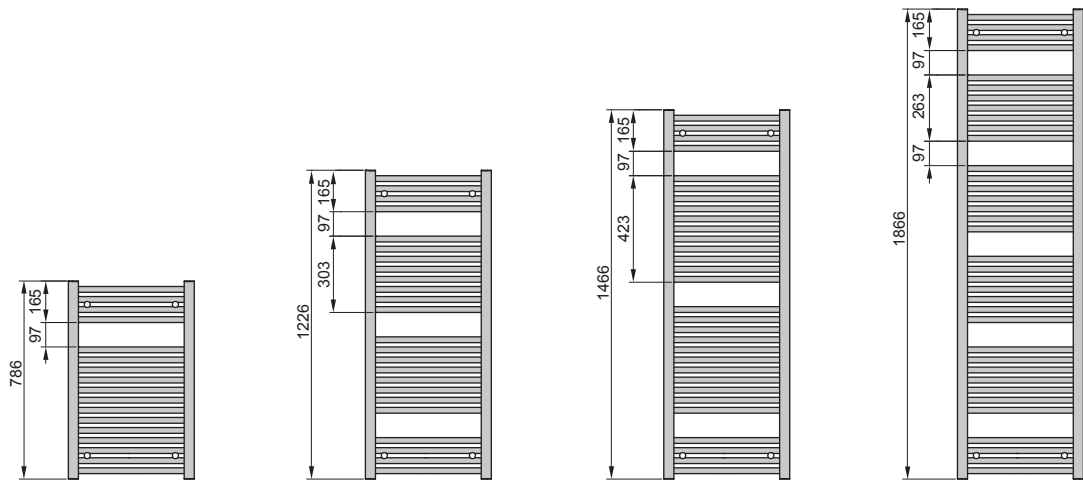
|                            |             |
|----------------------------|-------------|
| Maximum operating pressure | max. 12 bar |
| Operating temperature      | max. 120 °C |
| Height                     | ..... mm    |
| Length                     | ..... mm    |
| Model                      | .....       |

## Benefits

- Timeless design creates an aesthetic accent
- Generous spaces between the tubes convenient for hanging towels
- Top-grade chrome finish
- Ample spaces between tubes make cleaning easy
- Flexible installation due to 50 mm centre connections

# Zehnder Virando Bow

## Overview of models



## Connection to hot water central heating system or for dual energy operation

| Model | H  | L  | EN 442 | Thermal output |          |          | Exp. | Classification                | V               | M  | Price      | Price    | Price    |
|-------|----|----|--------|----------------|----------|----------|------|-------------------------------|-----------------|----|------------|----------|----------|
|       | mm | mm | W      | 70/55/24       | 55/45/24 | 55/45/20 | n    | Electric heating element Watt | dm <sup>3</sup> | kg | RAL 9016 € | Cat. 1 € | Cat. 2 € |

| Painted version, connection from bottom |      |     |      |     |     |     |      |     |      |      |        |        |        |
|-----------------------------------------|------|-----|------|-----|-----|-----|------|-----|------|------|--------|--------|--------|
| ABT-080-050                             | 786  | 494 | 398  | 283 | 173 | 208 | 1,26 | 300 | 4,0  | 6,2  | 142,03 | 177,53 | 250,91 |
| ABT-120-050                             | 1226 | 494 | 567  | 405 | 248 | 298 | 1,25 | 300 | 5,9  | 9,0  | 198,96 | 248,70 | 322,08 |
| ABT-150-050                             | 1466 | 494 | 689  | 491 | 301 | 361 | 1,25 | 600 | 7,1  | 11,1 | 217,10 | 271,37 | 344,75 |
| ABT-180-050                             | 1866 | 494 | 828  | 589 | 360 | 433 | 1,26 | 600 | 8,8  | 13,4 | 249,71 | 312,14 | 385,52 |
| ABT-080-060                             | 786  | 595 | 463  | 331 | 204 | 244 | 1,24 | 300 | 4,6  | 7,1  | 147,55 | 184,43 | 257,81 |
| ABT-120-060                             | 1226 | 595 | 658  | 469 | 288 | 345 | 1,25 | 600 | 6,7  | 10,3 | 208,15 | 260,19 | 333,57 |
| ABT-150-060                             | 1466 | 595 | 803  | 573 | 351 | 421 | 1,25 | 600 | 8,1  | 12,7 | 227,83 | 284,78 | 358,16 |
| ABT-180-060                             | 1866 | 595 | 966  | 687 | 419 | 504 | 1,26 | 900 | 10,0 | 15,4 | 262,49 | 328,11 | 401,49 |
| ABT-120-075                             | 1226 | 747 | 799  | 570 | 350 | 419 | 1,25 | 600 | 8,0  | 12,2 | 209,82 | 262,28 | 335,66 |
| ABT-150-075                             | 1466 | 747 | 978  | 698 | 428 | 514 | 1,25 | 900 | 9,7  | 15,2 | 247,14 | 308,93 | 382,31 |
| ABT-180-075                             | 1866 | 747 | 1178 | 836 | 509 | 612 | 1,27 | 900 | 11,8 | 18,4 | 288,56 | 360,70 | 434,08 |

| Model | H  | L  | EN 442 | Thermal output |          |          | Exp. | Classification                | V               | M  | Price      | Price    | Price    |
|-------|----|----|--------|----------------|----------|----------|------|-------------------------------|-----------------|----|------------|----------|----------|
|       | mm | mm | W      | 70/55/24       | 55/45/24 | 55/45/20 | n    | Electric heating element Watt | dm <sup>3</sup> | kg | RAL 9016 € | Cat. 1 € | Cat. 2 € |

| Painted version, connection central 50 mm |      |     |      |     |     |     |      |     |      |      |        |        |        |
|-------------------------------------------|------|-----|------|-----|-----|-----|------|-----|------|------|--------|--------|--------|
| ABT-080-050-05                            | 786  | 494 | 398  | 283 | 173 | 208 | 1,24 | 300 | 4,0  | 6,5  | 157,19 | 196,49 | 269,87 |
| ABT-120-050-05                            | 1226 | 494 | 567  | 405 | 248 | 298 | 1,25 | 300 | 5,9  | 9,3  | 214,12 | 267,65 | 341,03 |
| ABT-150-050-05                            | 1466 | 494 | 689  | 491 | 301 | 361 | 1,25 | 600 | 7,1  | 11,4 | 232,22 | 290,28 | 363,66 |
| ABT-180-050-05                            | 1866 | 494 | 828  | 589 | 360 | 433 | 1,26 | 600 | 8,8  | 13,7 | 264,86 | 331,08 | 404,46 |
| ABT-080-060-05                            | 786  | 595 | 463  | 331 | 204 | 244 | 1,24 | 300 | 4,6  | 7,4  | 162,67 | 203,34 | 276,72 |
| ABT-120-060-05                            | 1226 | 595 | 658  | 469 | 288 | 345 | 1,25 | 600 | 6,7  | 10,6 | 223,30 | 279,13 | 352,51 |
| ABT-150-060-05                            | 1466 | 595 | 803  | 573 | 351 | 421 | 1,25 | 600 | 8,1  | 13,0 | 243,02 | 303,78 | 377,16 |
| ABT-180-060-05                            | 1866 | 595 | 966  | 687 | 419 | 504 | 1,26 | 900 | 10,0 | 15,7 | 277,63 | 347,04 | 420,42 |
| ABT-120-075-05                            | 1226 | 747 | 799  | 570 | 350 | 419 | 1,25 | 600 | 8,0  | 12,5 | 227,78 | 284,73 | 358,11 |
| ABT-150-075-05                            | 1466 | 747 | 978  | 698 | 428 | 514 | 1,25 | 900 | 9,7  | 15,5 | 265,06 | 331,33 | 404,71 |
| ABT-180-075-05                            | 1866 | 747 | 1178 | 836 | 509 | 612 | 1,27 | 900 | 11,8 | 18,7 | 306,52 | 383,15 | 456,53 |

① Thermal output measured according to EN 442, ΔT 50 K (75/65/20 °C)

## Zehnder Virando Bow

### Connection to hot water central heating system or for dual energy operation

| Model | H<br>mm | L<br>mm | Thermal output           |               |               |               | Exp.<br>n | Classification<br>Electric heating<br>element<br>Watt | V<br>dm <sup>3</sup> | M<br>kg | Price<br>Chrome<br>€ |
|-------|---------|---------|--------------------------|---------------|---------------|---------------|-----------|-------------------------------------------------------|----------------------|---------|----------------------|
|       |         |         | EN 442 <sup>Ⓢ</sup><br>W | 70/55/24<br>W | 55/45/24<br>W | 55/45/20<br>W |           |                                                       |                      |         |                      |

#### Chrome-plated version, connection from below

|              |      |     |     |     |     |     |      |     |      |      |        |
|--------------|------|-----|-----|-----|-----|-----|------|-----|------|------|--------|
| ABTC-080-050 | 786  | 494 | 276 | 196 | 119 | 144 | 1,26 | -   | 4,0  | 6,2  | 414,68 |
| ABTC-120-050 | 1226 | 494 | 411 | 291 | 177 | 213 | 1,27 | 300 | 5,9  | 9,0  | 555,96 |
| ABTC-150-050 | 1466 | 494 | 485 | 346 | 212 | 254 | 1,25 | 300 | 7,1  | 11,1 | 669,44 |
| ABTC-180-050 | 1866 | 494 | 611 | 435 | 265 | 319 | 1,26 | 600 | 8,8  | 13,4 | 785,20 |
| ABTC-080-060 | 786  | 595 | 326 | 231 | 141 | 170 | 1,26 | 300 | 4,6  | 7,1  | 466,08 |
| ABTC-120-060 | 1226 | 595 | 484 | 344 | 209 | 252 | 1,26 | 300 | 6,7  | 10,3 | 629,74 |
| ABTC-150-060 | 1466 | 595 | 572 | 407 | 249 | 299 | 1,25 | 300 | 8,1  | 12,7 | 763,20 |
| ABTC-180-060 | 1866 | 595 | 720 | 512 | 313 | 376 | 1,26 | 600 | 10,0 | 15,4 | 904,34 |

| Model | H<br>mm | L<br>mm | Thermal output           |               |               |               | Exp.<br>n | Classification<br>Electric heating<br>element<br>Watt | V<br>dm <sup>3</sup> | M<br>kg | Price<br>Chrome<br>€ |
|-------|---------|---------|--------------------------|---------------|---------------|---------------|-----------|-------------------------------------------------------|----------------------|---------|----------------------|
|       |         |         | EN 442 <sup>Ⓢ</sup><br>W | 70/55/24<br>W | 55/45/24<br>W | 55/45/20<br>W |           |                                                       |                      |         |                      |

#### Chrome-plated version, connection central 50 mm

|                 |      |     |     |     |     |     |      |     |      |      |        |
|-----------------|------|-----|-----|-----|-----|-----|------|-----|------|------|--------|
| ABTC-080-050-05 | 786  | 494 | 276 | 196 | 119 | 144 | 1,26 | -   | 4,0  | 6,5  | 446,26 |
| ABTC-120-050-05 | 1226 | 494 | 411 | 292 | 178 | 214 | 1,26 | 300 | 5,9  | 9,3  | 587,44 |
| ABTC-150-050-05 | 1466 | 494 | 485 | 346 | 212 | 254 | 1,25 | 300 | 7,1  | 11,4 | 700,94 |
| ABTC-180-050-05 | 1866 | 494 | 611 | 435 | 265 | 319 | 1,26 | 600 | 8,8  | 13,7 | 824,30 |
| ABTC-080-060-05 | 786  | 595 | 326 | 231 | 141 | 170 | 1,26 | 300 | 4,6  | 7,4  | 497,58 |
| ABTC-120-060-05 | 1226 | 595 | 484 | 344 | 209 | 252 | 1,26 | 300 | 6,7  | 10,6 | 661,36 |
| ABTC-150-060-05 | 1466 | 595 | 572 | 407 | 249 | 299 | 1,25 | 300 | 8,1  | 13,0 | 794,68 |
| ABTC-180-060-05 | 1866 | 595 | 720 | 513 | 314 | 377 | 1,25 | 600 | 10,0 | 15,7 | 936,00 |

### Standard scope of delivery for hot water operation

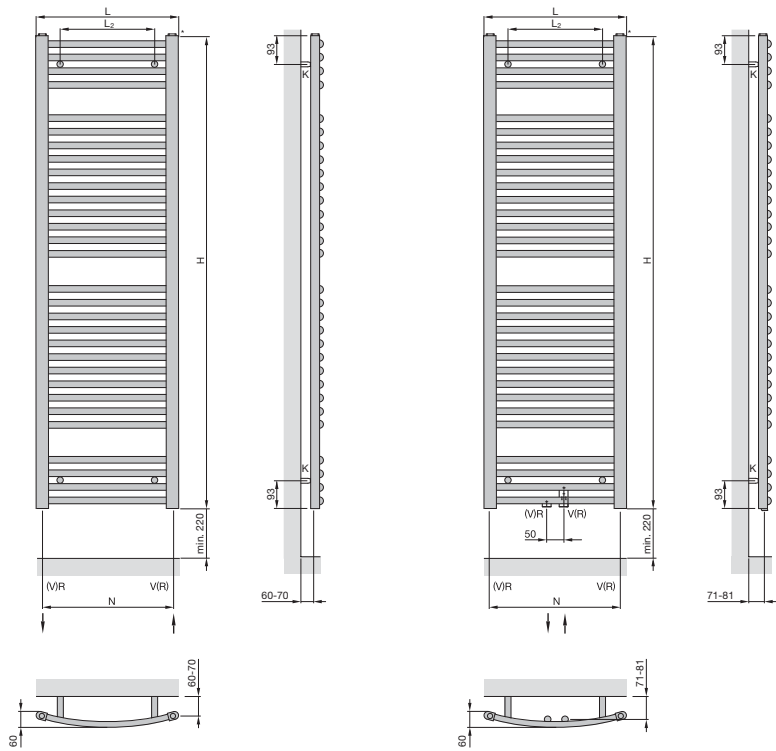
- Powder coating to DIN 55900, RAL 9016
- 4 x ½" connections for flow, return, air vent and plug
- 1 air vent ½" and 1 blind plug ½"
- Mounting accessories in colour of radiator
- Packaging

Ⓢ Thermal output measured according to EN 442, ΔT 50 K (75/65/20 °C)

# Zehnder Virando Bow

Hot water operation:  
Wall mounting

Wall mounting  
centre connections 50 mm



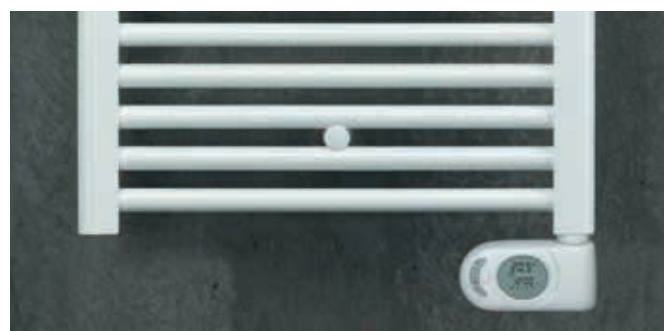
- H = Height
- L = Length
- K = Bracket
- V = Flow 1/2"
- R = Return 1/2"
- N = Boss spacing, L - 44 mm
- L<sub>2</sub> = Length - 150 mm

Dimensions in mm

## Zehnder Aura



Radiator colour: Traffic White



Radiator for electric operation with Musa Eco

### Operation on hot water central heating system

Zehnder Aura decorative radiator made from horizontally arranged precision steel tubes with vertical D-profile tubes. Round tube Ø 22 mm, D-tube 30 x 40 mm. Thermal output tested to EN 422, with CE marking. 4 x ½" for flow/return in the manifold tube with air vent ¼". Alternatively with centre connections ½", distance 50 mm, flow and return freely selectable. Delivered ready to install with matching wall brackets. Radiator with powder coating, in colour RAL 9016 as standard and in chrome, with packaging.

|                            |               |
|----------------------------|---------------|
| Maximum operating pressure | max. 10.0 bar |
| Operating temperature      | max. 90 °C    |
| Height                     | ..... mm      |
| Length                     | ..... mm      |
| Model                      | .....         |

### Benefits

- Harmonious design through D-profile of vertical tubes
- Large cut-outs
- Top-grade chrome finish
- Easy to clean
- Entry-level model for all types of tender businesses
- Dual energy operation possible with T-piece

### Standard scope of delivery

- Powder coating to DIN55900, RAL 9016
- 2 x ½" connections for flow, return or
- 4 x ½" connections for flow, return, electric heating element
- 1 x blind plug ½" or
- 3 x blind plug ½" with middle connection
- 1 x air vent ½"
- Accessories in colour of radiator
- Packaging

### Electric operation

Zehnder Aura decorative radiator made from horizontally arranged precision steel tubes with vertical D-profile tubes. Round tube Ø 22 mm, D-tube 30 x 40 mm. With built-in electric heating element Musa Eco. Protection class IP 44 (splash-proof), for mains power supply of 230 V. Connection cable (1,3 m) with Euro plug.

Installation at bottom right. Decorative radiator filled with heat transfer fluid.

Delivered ready to install with elegant wall brackets. Standard version with powder coating, in colour RAL 9016, in special colour on request.

### Benefits

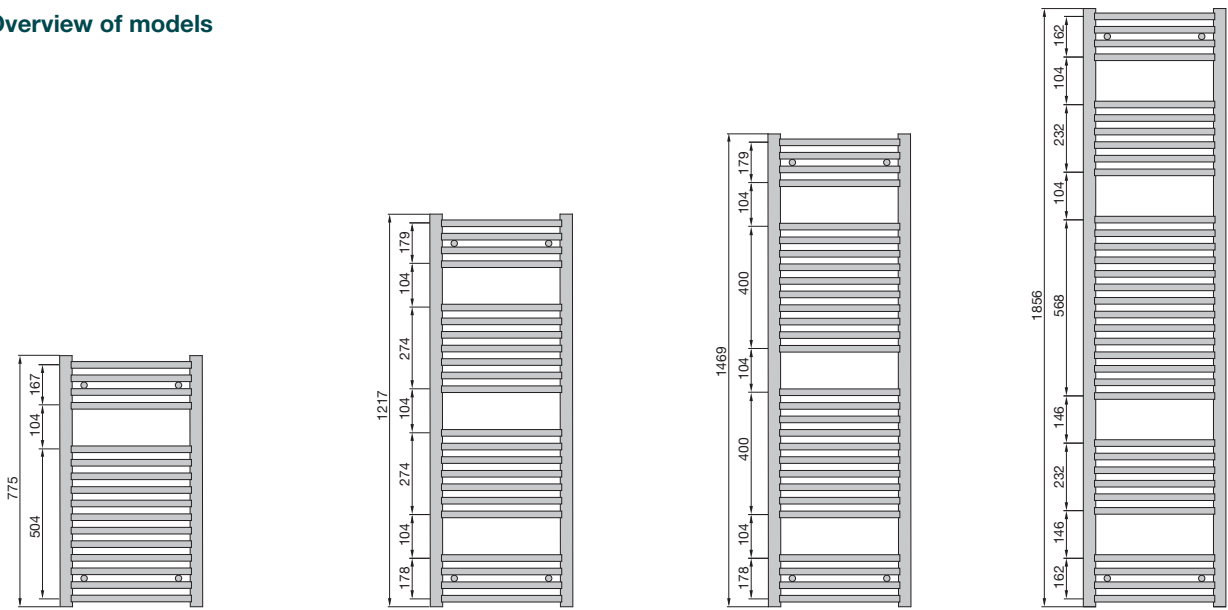
- High energy efficiency due to compliance with the European Ecodesign Directive reduces energy costs
- User-friendly control device allows simple operation
- Customisable daily and weekly programmes for convenient, on-demand operation
- Increased safety with keylock

### Standard scope of delivery

- Powder coating to DIN 55900, RAL 9016
- Filled with heat transfer liquid
- With integrated electric heating element MUSA Eco with seven operational modes: comfort, night, anti-freeze, fil-pilot, chrono, timer- 2h, stand-by, right-mounted
- Mounting accessories in colour of radiator
- Packaging

# Zehnder Aura

## Overview of models



## Connection to hot water central heating system or for dual energy operation

| Model | H  | L  | EN 442 <sup>③</sup> | Thermal output |          |          | Exp. | Classification                | V               | M  | Price      |
|-------|----|----|---------------------|----------------|----------|----------|------|-------------------------------|-----------------|----|------------|
|       | mm | mm | W                   | 70/55/24       | 55/45/24 | 55/45/20 | n    | Electric heating element Watt | dm <sup>3</sup> | kg | RAL 9016 € |

| Painted version, connection from bottom |      |     |     |     |     |     |      |     |     |      |        |
|-----------------------------------------|------|-----|-----|-----|-----|-----|------|-----|-----|------|--------|
| PBN-080-045                             | 775  | 450 | 327 | 234 | 146 | 176 | 1,20 | 300 | 3,4 | 5,3  | 106,04 |
| PBN-120-045                             | 1217 | 450 | 468 | 335 | 207 | 248 | 1,23 | 300 | 4,8 | 7,7  | 152,54 |
| PBN-150-045                             | 1469 | 450 | 575 | 410 | 253 | 303 | 1,24 | 300 | 6,0 | 9,6  | 168,05 |
| PBN-180-045                             | 1856 | 450 | 719 | 511 | 314 | 379 | 1,24 | 600 | 7,4 | 12,0 | 192,29 |
| PBN-080-050                             | 775  | 500 | 358 | 257 | 161 | 193 | 1,20 | 300 | 3,6 | 5,8  | 109,14 |
| PBN-120-050                             | 1217 | 500 | 512 | 365 | 225 | 271 | 1,23 | 300 | 5,2 | 8,3  | 157,21 |
| PBN-150-050                             | 1469 | 500 | 631 | 449 | 276 | 332 | 1,24 | 600 | 6,5 | 10,4 | 172,49 |
| PBN-180-050                             | 1856 | 500 | 788 | 560 | 344 | 415 | 1,24 | 600 | 8,0 | 12,8 | 200,08 |
| PBN-080-060                             | 775  | 600 | 418 | 303 | 190 | 226 | 1,19 | 300 | 4,1 | 6,6  | 113,80 |
| PBN-120-060                             | 1217 | 600 | 598 | 424 | 262 | 317 | 1,23 | 600 | 5,9 | 9,6  | 164,95 |
| PBN-150-060                             | 1469 | 600 | 740 | 525 | 324 | 392 | 1,23 | 600 | 7,4 | 11,9 | 181,61 |
| PBN-180-060                             | 1856 | 600 | 925 | 656 | 404 | 487 | 1,24 | 900 | 9,1 | 14,6 | 210,82 |

| Model | H  | L  | EN 442 <sup>③</sup> | Thermal output |          |          | Exp. | Classification                | V               | M  | Price      |
|-------|----|----|---------------------|----------------|----------|----------|------|-------------------------------|-----------------|----|------------|
|       | mm | mm | W                   | 70/55/24       | 55/45/24 | 55/45/20 | n    | Electric heating element Watt | dm <sup>3</sup> | kg | RAL 9016 € |

| Painted version, connection central 50 mm |      |     |     |     |     |     |      |     |     |      |        |
|-------------------------------------------|------|-----|-----|-----|-----|-----|------|-----|-----|------|--------|
| PBN-080-045-05                            | 775  | 450 | 327 | 234 | 146 | 176 | 1,20 | 300 | 3,4 | 5,3  | 122,40 |
| PBN-120-045-05                            | 1217 | 450 | 468 | 335 | 207 | 248 | 1,23 | 300 | 4,8 | 7,7  | 170,31 |
| PBN-150-045-05                            | 1469 | 450 | 575 | 410 | 253 | 303 | 1,24 | 300 | 6,0 | 9,6  | 186,28 |
| PBN-180-045-05                            | 1856 | 450 | 719 | 511 | 314 | 379 | 1,24 | 600 | 7,4 | 12,0 | 211,27 |
| PBN-080-050-05                            | 775  | 500 | 358 | 257 | 161 | 193 | 1,20 | 300 | 3,6 | 5,8  | 125,60 |
| PBN-120-050-05                            | 1217 | 500 | 512 | 365 | 225 | 271 | 1,23 | 300 | 5,2 | 8,3  | 175,11 |
| PBN-150-050-05                            | 1469 | 500 | 631 | 449 | 276 | 332 | 1,24 | 600 | 6,5 | 10,4 | 190,84 |
| PBN-180-050-05                            | 1856 | 500 | 788 | 560 | 344 | 415 | 1,24 | 600 | 8,0 | 12,8 | 219,24 |
| PBN-080-060-05                            | 775  | 600 | 418 | 303 | 190 | 226 | 1,19 | 300 | 4,1 | 6,6  | 130,38 |
| PBN-120-060-05                            | 1217 | 600 | 598 | 424 | 262 | 317 | 1,23 | 600 | 5,9 | 9,6  | 183,06 |
| PBN-150-060-05                            | 1469 | 600 | 740 | 525 | 324 | 392 | 1,23 | 600 | 7,4 | 11,9 | 200,19 |
| PBN-180-060-05                            | 1856 | 600 | 925 | 656 | 404 | 487 | 1,24 | 900 | 9,1 | 14,6 | 230,31 |

③ Thermal output measured according to EN 442, ΔT 50 K (75/65/20 °C)

## Zehnder Aura

### Connection to hot water central heating system or for dual energy operation

| Model                                              | H    | L   | EN 442 <sup>③</sup><br>W | Thermal output |               |               | Exp.<br>n | Classification<br>Electric heating<br>element<br>Watt | V<br>dm <sup>3</sup> | M<br>kg | Price<br>Chrome<br>€ |
|----------------------------------------------------|------|-----|--------------------------|----------------|---------------|---------------|-----------|-------------------------------------------------------|----------------------|---------|----------------------|
|                                                    | mm   | mm  |                          | 70/55/24<br>W  | 55/45/24<br>W | 55/45/20<br>W |           |                                                       |                      |         |                      |
| Painted version black matt, connection from bottom |      |     |                          |                |               |               |           |                                                       |                      |         |                      |
| PBN-080-045-9205                                   | 775  | 450 | 327                      | 234            | 146           | 176           | 1,20      | -                                                     | 3,40                 | 5,30    | 132,55               |
| PBN-120-045-9205                                   | 1217 | 450 | 468                      | 335            | 207           | 248           | 1,23      | -                                                     | 4,80                 | 7,70    | 190,68               |
| PBN-150-045-9205                                   | 1469 | 450 | 575                      | 410            | 253           | 303           | 1,24      | -                                                     | 6,00                 | 9,60    | 210,07               |
| PBN-180-045-9205                                   | 1856 | 450 | 719                      | 511            | 314           | 379           | 1,24      | -                                                     | 7,40                 | 12,00   | 240,37               |
| PBN-080-050-9205                                   | 775  | 500 | 358                      | 257            | 161           | 193           | 1,20      | -                                                     | 3,60                 | 5,80    | 136,42               |
| PBN-120-050-9205                                   | 1217 | 500 | 512                      | 365            | 225           | 271           | 1,23      | -                                                     | 5,20                 | 8,30    | 196,51               |
| PBN-150-050-9205                                   | 1469 | 500 | 631                      | 449            | 276           | 332           | 1,24      | -                                                     | 6,50                 | 10,40   | 215,61               |
| PBN-180-050-9205                                   | 1856 | 500 | 788                      | 560            | 344           | 415           | 1,24      | -                                                     | 8,00                 | 12,80   | 250,10               |
| PBN-080-060-9205                                   | 775  | 600 | 418                      | 303            | 190           | 226           | 1,19      | -                                                     | 4,10                 | 6,60    | 142,25               |
| PBN-120-060-9205                                   | 1217 | 600 | 598                      | 424            | 262           | 317           | 1,23      | -                                                     | 5,90                 | 9,60    | 206,18               |
| PBN-150-060-9205                                   | 1469 | 600 | 740                      | 525            | 324           | 392           | 1,23      | -                                                     | 7,40                 | 11,90   | 227,01               |
| PBN-180-060-9205                                   | 1856 | 600 | 925                      | 656            | 404           | 487           | 1,24      | -                                                     | 9,10                 | 14,60   | 263,53               |

### Connection to hot water central heating system or for dual energy operation

| Model                                         | H    | L   | EN 442 <sup>③</sup><br>W | Thermal output |               |               | Exp.<br>n | Classification<br>Electric heating<br>element<br>Watt | V<br>dm <sup>3</sup> | M<br>kg | Price<br>Chrome<br>€ |
|-----------------------------------------------|------|-----|--------------------------|----------------|---------------|---------------|-----------|-------------------------------------------------------|----------------------|---------|----------------------|
|                                               | mm   | mm  |                          | 70/55/24<br>W  | 55/45/24<br>W | 55/45/20<br>W |           |                                                       |                      |         |                      |
| Chrome-plated version, connection from bottom |      |     |                          |                |               |               |           |                                                       |                      |         |                      |
| PBCN-080-045                                  | 775  | 450 | 206                      | 145            | 87            | 105           | 1,30      | -                                                     | 3,4                  | 5,5     | 208,26               |
| PBCN-120-045                                  | 1217 | 450 | 303                      | 213            | 128           | 155           | 1,30      | 300                                                   | 4,8                  | 8,0     | 283,68               |
| PBCN-150-045                                  | 1469 | 450 | 368                      | 259            | 155           | 188           | 1,30      | 300                                                   | 6,0                  | 9,8     | 332,14               |
| PBCN-180-045                                  | 1856 | 450 | 468                      | 329            | 198           | 239           | 1,30      | 300                                                   | 7,4                  | 12,2    | 389,17               |
| PBCN-080-050                                  | 775  | 500 | 230                      | 161            | 98            | 119           | 1,28      | -                                                     | 3,6                  | 5,9     | 214,70               |
| PBCN-120-050                                  | 1217 | 500 | 330                      | 232            | 140           | 169           | 1,29      | 300                                                   | 5,2                  | 8,5     | 292,45               |
| PBCN-150-050                                  | 1469 | 500 | 407                      | 284            | 171           | 209           | 1,29      | 300                                                   | 6,5                  | 10,5    | 342,42               |
| PBCN-180-050                                  | 1856 | 500 | 513                      | 360            | 217           | 262           | 1,30      | 300                                                   | 8,0                  | 13,0    | 401,21               |
| PBCN-080-060                                  | 775  | 600 | 271                      | 195            | 119           | 142           | 1,25      | -                                                     | 4,1                  | 6,7     | 220,72               |
| PBCN-120-060                                  | 1217 | 600 | 390                      | 273            | 165           | 201           | 1,28      | 300                                                   | 5,9                  | 9,6     | 301,49               |
| PBCN-150-060                                  | 1469 | 600 | 481                      | 338            | 204           | 248           | 1,28      | 300                                                   | 7,4                  | 11,9    | 355,75               |
| PBCN-180-060                                  | 1856 | 600 | 607                      | 425            | 257           | 312           | 1,29      | 600                                                   | 9,1                  | 14,7    | 424,67               |

| Model                                           | H    | L   | EN 442 <sup>③</sup><br>W | Thermal output |               |               | Exp.<br>n | Classification<br>Electric heating<br>element<br>Watt | V<br>dm <sup>3</sup> | M<br>kg | Price<br>Chrome<br>€ |
|-------------------------------------------------|------|-----|--------------------------|----------------|---------------|---------------|-----------|-------------------------------------------------------|----------------------|---------|----------------------|
|                                                 | mm   | mm  |                          | 70/55/24<br>W  | 55/45/24<br>W | 55/45/20<br>W |           |                                                       |                      |         |                      |
| Chrome-plated version, connection central 50 mm |      |     |                          |                |               |               |           |                                                       |                      |         |                      |
| PBCN-120-045-05                                 | 1217 | 450 | 303                      | 213            | 128           | 155           | 1,30      | 300                                                   | 4,8                  | 8,0     | 306,74               |
| PBCN-150-045-05                                 | 1469 | 450 | 368                      | 259            | 155           | 188           | 1,30      | 300                                                   | 6,0                  | 9,8     | 356,92               |
| PBCN-180-045-05                                 | 1856 | 450 | 468                      | 329            | 198           | 239           | 1,30      | 300                                                   | 7,4                  | 12,2    | 416,00               |
| PBCN-080-050-05                                 | 775  | 500 | 230                      | 161            | 98            | 119           | 1,28      | -                                                     | 3,6                  | 5,9     | 234,33               |
| PBCN-120-050-05                                 | 1217 | 500 | 330                      | 232            | 140           | 169           | 1,29      | 300                                                   | 5,2                  | 8,5     | 314,42               |
| PBCN-150-050-05                                 | 1469 | 500 | 407                      | 284            | 171           | 209           | 1,29      | 300                                                   | 6,5                  | 10,5    | 365,85               |
| PBCN-180-050-05                                 | 1856 | 500 | 513                      | 360            | 217           | 262           | 1,30      | 300                                                   | 8,0                  | 13,0    | 426,40               |
| PBCN-120-060-05                                 | 1217 | 600 | 390                      | 273            | 165           | 201           | 1,28      | 300                                                   | 5,9                  | 9,6     | 323,70               |
| PBCN-150-060-05                                 | 1469 | 600 | 481                      | 338            | 204           | 248           | 1,28      | 300                                                   | 7,4                  | 11,9    | 379,62               |
| PBCN-180-060-05                                 | 1856 | 600 | 607                      | 425            | 257           | 312           | 1,29      | 600                                                   | 9,1                  | 14,7    | 450,61               |

③ Thermal output measured according to EN 442, ΔT 50 K (75/65/20 °C)



# Zehnder Aura

## Electric-only operation

| Model | H <sup>③</sup><br>mm | L<br>mm | Classification<br>Electric heating<br>element<br>Watt | Price<br>RAL 9016<br>€ |
|-------|----------------------|---------|-------------------------------------------------------|------------------------|
|-------|----------------------|---------|-------------------------------------------------------|------------------------|

| Painted version |      |     |      |        |
|-----------------|------|-----|------|--------|
| PBEZ-080-40/MQ  | 786  | 400 | 300  | 252,06 |
| PBEZ-090-50/MQ  | 906  | 500 | 500  | 276,51 |
| PBEZ-120-50/MQ  | 1226 | 500 | 750  | 319,20 |
| PBEZ-180-50/MQ  | 1866 | 500 | 1000 | 398,25 |
| PBEZ-120-60/MQ  | 1226 | 600 | 750  | 333,44 |
| PBEZ-150-60/MQ  | 1466 | 600 | 1000 | 364,70 |
| PBEZ-180-60/MQ  | 1866 | 600 | 1000 | 419,39 |



| Model | H <sup>③</sup><br>mm | L<br>mm | Classification<br>Electric heating<br>element<br>Watt | Price<br>Chrome<br>€ |
|-------|----------------------|---------|-------------------------------------------------------|----------------------|
|-------|----------------------|---------|-------------------------------------------------------|----------------------|

| Chrome-plated version |      |     |     |        |
|-----------------------|------|-----|-----|--------|
| PBECZ-080-40/MQ       | 786  | 400 | 150 | 294,65 |
| PBECZ-090-50/MQ       | 906  | 500 | 200 | 324,66 |
| PBECZ-120-50/MQ       | 1226 | 500 | 300 | 378,70 |
| PBECZ-180-50/MQ       | 1866 | 500 | 500 | 478,10 |
| PBECZ-120-60/MQ       | 1226 | 600 | 400 | 397,07 |
| PBECZ-150-60/MQ       | 1466 | 600 | 400 | 432,05 |
| PBECZ-180-60/MQ       | 1866 | 600 | 600 | 505,20 |

| Model | H <sup>③</sup><br>mm | H + Musa<br>Eco<br>mm | L<br>mm | Classification<br>Electric heating<br>element<br>Watt | Price<br>(gross)<br>€ |
|-------|----------------------|-----------------------|---------|-------------------------------------------------------|-----------------------|
|-------|----------------------|-----------------------|---------|-------------------------------------------------------|-----------------------|

| Black matt version |      |      |     |      |        |
|--------------------|------|------|-----|------|--------|
| PBEBZ-080-40/MQ    | 786  | 860  | 400 | 300  | 272,21 |
| PBEBZ-090-50/MQ    | 906  | 980  | 500 | 500  | 298,64 |
| PBEBZ-120-50/MQ    | 1226 | 1300 | 500 | 750  | 347,91 |
| PBEBZ-150-60/MQ    | 1466 | 1540 | 600 | 1000 | 397,50 |

| Special solution on request (surcharge)                                                                                                    | Article number | Price €            |
|--------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------|
| ▪ Electric heating element for dual energy operation  | -              | See p. 152 onwards |
| ▪ Zehnder valves, lockshield valves and connection fittings                                                                                | -              | See p. 159 onwards |
| ▪ Zehnder thermostat LH2, M 30 x 1,5, white                                                                                                | 819140         | 35,02              |
| ▪ Zehnder thermostat LH2, M 30 x 1,5, chrome                                                                                               | 819148         | 60,35              |

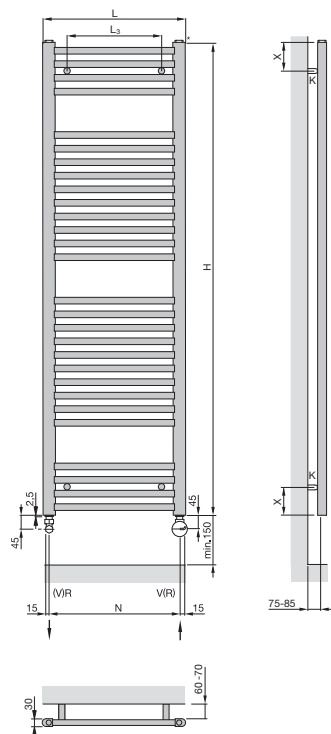
③ Thermal output measured according to EN 442, ΔT 50 K (75/65/20 °C)

For legend, see “Electric operation and Ecodesign Directive” on page 166 

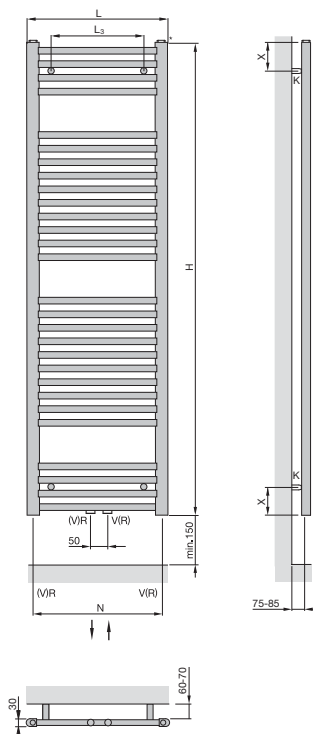
## Zehnder Aura

### Operation on hot water central heating system:

Wall mounting

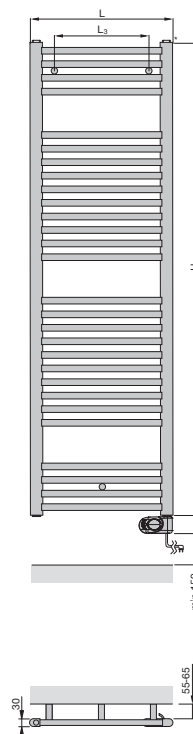


Wall mounting  
centre connections 50 mm



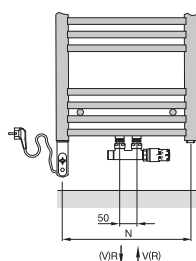
### Electric operation:

with electric heating element  
Musa Eco



### Dual energy operation:

with valve block 50 mm angled  
and electric heating element DBM



H = Height  
L = Length  
K = Bracket  
V = Flow 1/2"  
R = Return 1/2"  
N = Boss spacing, L - 50 mm  
L3 = Length - 150 mm  
X = Fixing point

Dimensions in mm

### Hot water central heating version

| H (mm) | X (mm) |
|--------|--------|
| 775    | 94     |
| 1217   | 105    |
| 1469   | 105    |
| 1856   | 88     |

### Electric operation

| H (mm) | H with controller (mm) | X (mm) |
|--------|------------------------|--------|
| 786    | 860                    | 93     |
| 906    | 980                    | 93     |
| 1226   | 1300                   | 93     |
| 1466   | 1540                   | 93     |
| 1866   | 1940                   | 93     |

Zehnder Aura Bow

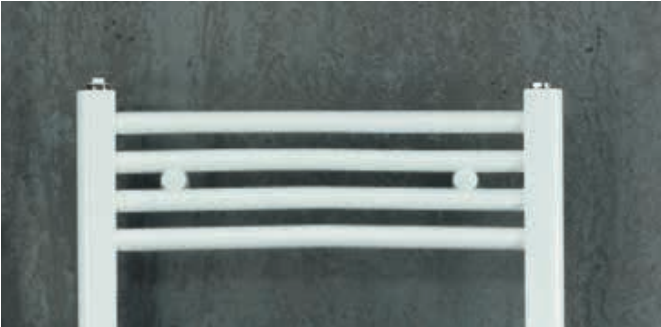


Radiator surface: Chrome

Operation on hot water central heating system

Zehnder Aura Bow decorative radiator made from horizontally arranged precision steel curved tubes with vertical D-profile tubes. Round tube Ø 22 mm, D-tube 30 x 40 mm. Thermal output tested to EN 422, with CE marking. 4 x ½" for flow/return in the manifold tube with air vent ¼". Alternatively with centre connections ½", distance 50 mm, flow and return freely selectable. Delivered ready to install with matching wall brackets. Radiator with powder coating, in colour RAL 9016 as standard and in chrome, with packaging.

|                            |               |
|----------------------------|---------------|
| Maximum operating pressure | max. 10.0 bar |
| Operating temperature      | max. 90 °C    |
| Height                     | ..... mm      |
| Length                     | ..... mm      |
| Model                      | .....         |



Benefits

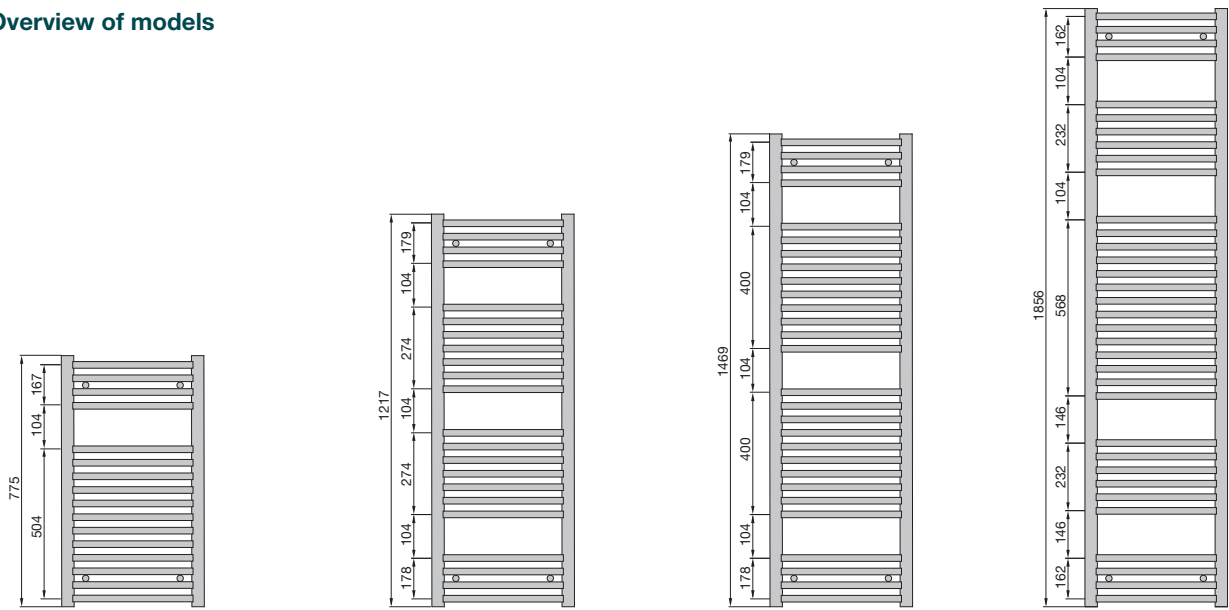
- Harmonious design
- Large cut-outs
- Top-grade chrome finish
- Easy to clean
- Entry-level model for all types of tender businesses
- Attractive curvature

Standard scope of delivery

- Powder coating to DIN 55900, RAL 9016
- 2 x ½" connections for flow, return or
- 4 x ½" connections for flow, return, electric heating element
- 1 x blind plug ½" or
- 3 x blind plug ½" with middle connection
- 1 x air vent ½"
- Accessories in colour of radiator
- Packaging

# Zehnder Aura Bow

## Overview of models



## Connection to hot water central heating system or for dual energy operation

| Model | H  | L  | EN 442 <sup>③</sup> | Thermal output |          |          | Exp. | Classification                | V               | M  | Price      |
|-------|----|----|---------------------|----------------|----------|----------|------|-------------------------------|-----------------|----|------------|
|       | mm | mm | W                   | 70/55/24       | 55/45/24 | 55/45/20 | n    | Electric heating element Watt | dm <sup>3</sup> | kg | RAL 9016 € |

| Painted version, connection from bottom |      |     |     |     |     |     |      |     |     |      |        |
|-----------------------------------------|------|-----|-----|-----|-----|-----|------|-----|-----|------|--------|
| PBTN-080-050                            | 775  | 494 | 358 | 257 | 161 | 193 | 1,20 | 300 | 3,6 | 5,8  | 123,50 |
| PBTN-120-050                            | 1217 | 494 | 512 | 365 | 225 | 271 | 1,23 | 300 | 5,2 | 8,3  | 173,01 |
| PBTN-150-050                            | 1469 | 494 | 631 | 450 | 276 | 332 | 1,24 | 600 | 6,5 | 10,4 | 188,78 |
| PBTN-180-050                            | 1856 | 494 | 788 | 560 | 344 | 415 | 1,24 | 600 | 8,0 | 12,8 | 217,14 |
| PBTN-120-060                            | 1217 | 595 | 598 | 424 | 262 | 317 | 1,23 | 600 | 5,9 | 9,6  | 181,00 |
| PBTN-150-060                            | 1469 | 595 | 740 | 525 | 324 | 392 | 1,23 | 600 | 7,4 | 11,9 | 198,11 |
| PBTN-180-060                            | 1856 | 595 | 925 | 656 | 404 | 487 | 1,24 | 900 | 9,1 | 14,6 | 228,25 |

| Model | H  | L  | EN 442 <sup>③</sup> | Thermal output |          |          | Exp. | Classification                | V               | M  | Price      |
|-------|----|----|---------------------|----------------|----------|----------|------|-------------------------------|-----------------|----|------------|
|       | mm | mm | W                   | 70/55/24       | 55/45/24 | 55/45/20 | n    | Electric heating element Watt | dm <sup>3</sup> | kg | RAL 9016 € |

| Painted version, connection central 50 mm |      |     |     |     |     |     |      |     |     |      |        |
|-------------------------------------------|------|-----|-----|-----|-----|-----|------|-----|-----|------|--------|
| PBTN-080-050-05                           | 775  | 494 | 358 | 257 | 161 | 193 | 1,20 | 300 | 3,6 | 5,8  | 136,69 |
| PBTN-120-050-05                           | 1217 | 494 | 512 | 365 | 225 | 271 | 1,23 | 300 | 5,2 | 8,3  | 186,19 |
| PBTN-150-050-05                           | 1469 | 494 | 631 | 450 | 276 | 332 | 1,24 | 600 | 6,5 | 10,4 | 201,93 |
| PBTN-180-050-05                           | 1856 | 494 | 788 | 560 | 344 | 415 | 1,24 | 600 | 8,0 | 12,8 | 230,31 |
| PBTN-080-060-05                           | 775  | 595 | 418 | 303 | 190 | 226 | 1,19 | 300 | 4,1 | 6,6  | 141,45 |
| PBTN-120-060-05                           | 1217 | 595 | 598 | 424 | 262 | 317 | 1,23 | 600 | 5,9 | 9,6  | 194,17 |
| PBTN-150-060-05                           | 1469 | 595 | 740 | 525 | 324 | 392 | 1,23 | 600 | 7,4 | 11,9 | 211,32 |
| PBTN-180-060-05                           | 1856 | 595 | 925 | 656 | 404 | 487 | 1,24 | 900 | 9,1 | 14,6 | 241,42 |

③ Thermal output measured according to EN 442, ΔT 50 K (75/65/20 °C)

## Zehnder Aura Bow

### Connection to hot water central heating system or for dual energy operation

| Model | H<br>mm | L<br>mm | EN 442 <sup>③</sup><br>W | Thermal output |               |               | Exp.<br>n | Classification<br>Electric heating<br>element<br>Watt | V<br>dm <sup>3</sup> | M<br>kg | Price<br>Chrome<br>€ |
|-------|---------|---------|--------------------------|----------------|---------------|---------------|-----------|-------------------------------------------------------|----------------------|---------|----------------------|
|       |         |         |                          | 70/55/24<br>W  | 55/45/24<br>W | 55/45/20<br>W |           |                                                       |                      |         |                      |

| Chrome-plated version, connection from bottom |      |     |     |     |     |     |      |     |     |      |        |
|-----------------------------------------------|------|-----|-----|-----|-----|-----|------|-----|-----|------|--------|
| PBTCN-080-050                                 | 775  | 494 | 230 | 161 | 98  | 119 | 1,28 | -   | 3,6 | 5,9  | 238,88 |
| PBTCN-120-050                                 | 1217 | 494 | 330 | 232 | 140 | 169 | 1,29 | 300 | 5,2 | 8,5  | 309,66 |
| PBTCN-150-050                                 | 1469 | 494 | 407 | 284 | 171 | 209 | 1,29 | 300 | 6,5 | 10,5 | 359,65 |
| PBTCN-180-050                                 | 1856 | 494 | 513 | 360 | 217 | 262 | 1,30 | 300 | 8,0 | 13,0 | 418,41 |
| PBTCN-080-060                                 | 775  | 595 | 271 | 195 | 119 | 142 | 1,25 | -   | 4,1 | 6,7  | 237,95 |
| PBTCN-120-060                                 | 1217 | 595 | 390 | 273 | 165 | 201 | 1,28 | 300 | 5,9 | 9,6  | 318,72 |
| PBTCN-150-060                                 | 1469 | 595 | 481 | 338 | 204 | 248 | 1,28 | 300 | 7,4 | 11,9 | 372,98 |
| PBTCN-180-060                                 | 1856 | 595 | 607 | 425 | 257 | 312 | 1,29 | 600 | 9,1 | 14,7 | 441,89 |

| Special solution on request (surcharge)                                                                                                  | Article number | Price €            |
|------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------|
| ▪ Electric heating element for dual energy operation  | -              | See p. 152 onwards |
| ▪ Zehnder valves, lockshield valves and connection fittings                                                                              | -              | See p. 159 onwards |
| ▪ Zehnder thermostat LH2, M 30 x 1,5, white                                                                                              | 819140         | 35,02              |
| ▪ Zehnder thermostat LH2, M 30 x 1,5, chrome                                                                                             | 819148         | 60,35              |

③ Thermal output measured according to EN 442, ΔT 50 K (75/65/20 °C)  
For legend, see “Electric operation and Ecodesign Directive” on page 166 

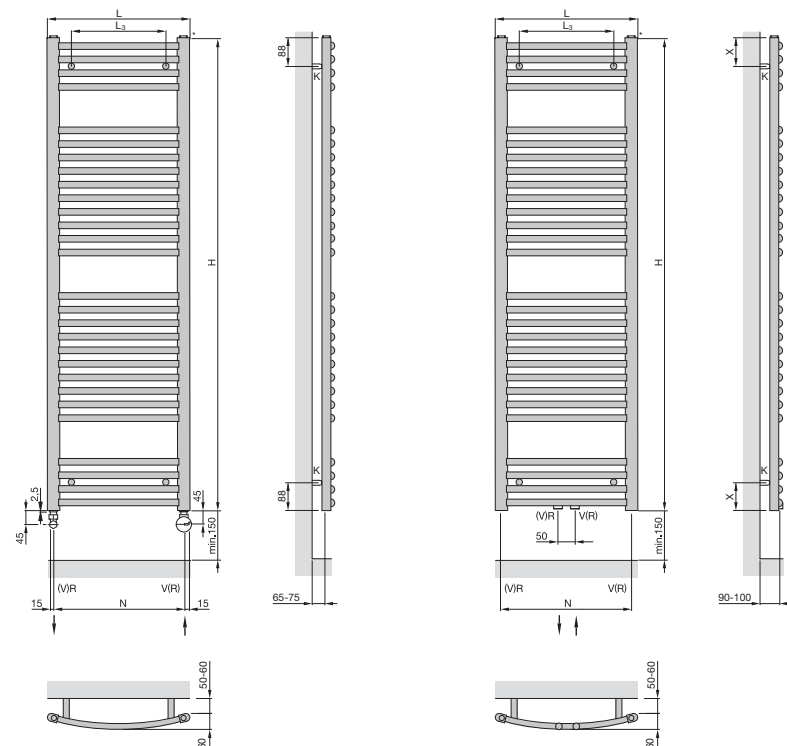
# Zehnder Aura Bow

## Operation on hot water central heating system:

Wall mounting

Wall mounting

centre connections 50 mm



- H = Height
- L = Length
- K = Bracket
- V = Flow 1/2"
- R = Return 1/2"
- N = Boss spacing, L - 50 mm
- T = 60 mm
- L<sub>3</sub> = Length - 150 mm
- X = Fixing point

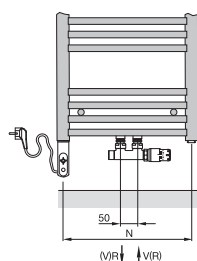
Dimensions in mm

| H (mm) | X (mm) |
|--------|--------|
| 775    | 94     |
| 1217   | 105    |
| 1469   | 105    |
| 1856   | 88     |

## Dual energy operation:

with valve block 50 mm angled

and electric heating element DBM



## Zehnder retrofit radiators

- The right model for any retrofitting situation
- Cut-outs and towel rails for hanging and heating towels
- Side connections for easy replacement of old DIN standard radiators
- Convenient operating height of the thermostat due to side connections (accessible)
- Connection options guarantee short installation times for renovations

For more information, see the relevant product sections



*Zehnder Metropolitan Bar*



*Zehnder Toga*



## Zehnder room dividers



*Zehnder Yucca Asym*

For room divider mounting set, see following pages



*Zehnder Toga*

For room divider mounting set, see following pages



*Zehnder Subway*

For room divider version, see Zehnder Subway product pages

## Room divider mounting sets

| Description                                                                                                                                                                                                                                                                              |                                                                                     | Version                                            | Article number             | Price €                                         | Application                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------|-------------------------------------------------|---------------------------------|
| <b>Room divider mounting set</b><br>2 wall brackets with clamp jaws; cover for wall panel incl. screws and anchors; directional air vents (½"); installation instructions; for wall clearance 80 mm                                                                                      |    | Standard finish<br>Special finish<br>Chrome-plated | 936011<br>936019<br>936018 | <b>221,50</b><br><b>267,35</b><br><b>292,33</b> | Zehnder Yucca Asym              |
| <b>Room divider mounting set without foot support</b><br>2 wall brackets comprising wall sleeve (38 mm); sliding part; clamp for D-profile; directional air vent (¼"); fixings; installation instructions; for wall clearance 53 mm                                                      |    | Standard finish<br>Special finish<br>Chrome-plated | 931111<br>931119<br>931118 | <b>131,21</b><br><b>159,53</b><br><b>152,50</b> | Zehnder Toga                    |
| <b>Room divider mounting set with foot support</b><br>2 wall brackets comprising wall sleeve (38 mm); sliding part; clamp for D-profile; floor sleeve (60 mm); spacer (M 10 x 125); fixings; installation instructions; for wall clearance 53 mm                                         |    | Standard finish<br>Special finish<br>Chrome-plated | 931141<br>931149<br>931148 | <b>159,53</b><br><b>187,93</b><br><b>180,86</b> | Zehnder Toga electric operation |
| <b>Room divider mounting set, long, without foot support</b><br>2 wall brackets comprising wall sleeve (88 mm); sliding part; clamp for D-profile; directional air vent (¼"); fixings; installation instructions; for wall clearance 103 mm                                              |   | Standard finish<br>Special finish<br>Chrome-plated | 931211<br>931219<br>931218 | <b>170,58</b><br><b>197,87</b><br><b>189,56</b> | Zehnder Toga                    |
| <b>Room divider mounting set, long, with foot support</b><br>2 wall brackets comprising wall sleeve (88 mm); sliding part; clamp for D-profile; directional air vent ¼"; floor sleeve (60 mm); distance piece; M 10 x 125; fixings; installation instructions; for wall clearance 103 mm |  | Standard finish<br>Special finish<br>Chrome-plated | 931241<br>931249<br>931248 | <b>198,95</b><br><b>226,21</b><br><b>217,88</b> | Zehnder Toga electric operation |

## Room divider mounting sets

### Mounting sets for repeat ordering

| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | Version                                            | Article number             | Price €                                         | Application                                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------|----------------------------|-------------------------------------------------|------------------------------------------------------------------------|
| <b>Room divider mounting set with foot support*</b><br>2 wall brackets comprising wall sleeve (38 mm) and clamp; 1 floor sleeve (50 mm); 1 spacer (M 10 x 125 mm); 1 decorative directional air vent (½"); 1 blanking plug (½"), chrome-plated, fixings; installation instructions; for wall clearance 53 mm<br><br><small>* Only for post-ordering, as contained in scope of delivery when ordering the Zehnder Subway and Zehnder Quaro as a room divider model. Due to welded-on threaded bolts, the standard version of the radiator is not suitable for room divider installation.</small> |  | Standard finish<br>Special finish<br>Chrome-plated | 931151<br>931159<br>931158 | <b>159,53</b><br><b>187,93</b><br><b>180,86</b> | Zehnder Subway, Zehnder Quaro (each available as room divider version) |
| <b>Separate foot support, for room divider installation 150 mm</b><br>for floor clearance 150-170 mm;<br>1 floor sleeve (60 mm); 1 spacer (M 10 x 125 mm); 1 blind hole plug (½"xM10); fixings                                                                                                                                                                                                                                                                                                                                                                                                  |  | Standard finish<br>Special finish<br>Chrome-plated | 931301<br>931309<br>931308 | <b>48,28</b><br><b>72,39</b><br><b>71,13</b>    |                                                                        |
| <b>Mounting set</b><br>4 wall brackets comprising wall sleeves 40 mm with threaded pin M6; 4 plastic plugs 10 x 50 mm; 4 phillips screws 6 x 60 mm, galvanized; 2 directional air vents ½", chrome plated; 2 air vent covers, plastic chrome-plated; 1 hexagonal-wrench SW 3 mm                                                                                                                                                                                                                                                                                                                 |  | Chrome-plated                                      | 950380                     | <b>74,53</b>                                    | Zehnder Alban                                                          |
| <b>Mounting set</b><br>3 painted wall brackets with 2 threaded pins M6 each; 3 plastic plugs 8 x 40 mm; 4 hexagonal screws with slot 6 x 50 mm, galvanized; 3 spacers; 1 directional air vent ¼"; 1 hexagonal wrench SW 3 mm                                                                                                                                                                                                                                                                                                                                                                    |  | Standard finish<br>Special finish<br>Chrome-plated | 962361<br>962369<br>962368 | <b>80,14</b><br><b>140,24</b><br><b>149,07</b>  | Zehnder Archibald                                                      |
| <b>Mounting set</b><br>4 wall brackets comprising wall sleeves 40 mm with threaded pin M6; 4 plastic plugs 10 x 50 mm; 4 phillips screws 6 x 60 mm, galvanized; 2 directional air vents ½", chrome-plated; 2 air vent covers, plastic chrome-plated; 1 hexagonal wrench SW 3 mm                                                                                                                                                                                                                                                                                                                 |  | Chrome-plated                                      | 950390                     | <b>74,53</b>                                    | Zehnder Chime                                                          |
| <b>Mounting set</b><br>4 wall brackets comprising wall sleeves (80 mm) with threaded pin, spacer piece with thread and lock screw 6 x 20 mm, galvanized; 4 plastic plugs 8 x 40 mm; 4 hexagonal screws with slot 6 x 50 mm, galvanized; 4 washers, galvanized; 1 spacer screw hexagon 10 x 70 mm, galvanized; plastic cap hexagon 10 x 19 mm black; locking nut M10; galvanized; 1 hexagonal wrench SW 2,5 mm                                                                                                                                                                                   |  | White                                              | 950331                     | <b>122,66</b>                                   | Zehnder Deseo Verso                                                    |
| <b>Mounting set</b><br>4 wall brackets comprising wall sleeves (40 mm) with threaded pin M5, spacer piece with thread and lock screw 6 x 20 mm, galvanized; 4 plastic plugs 10 x 50 mm; 4 hexagonal screws with slot 6 x 60 mm, galvanized; 1 hexagonal spacer screw 10 x 40 mm, galvanized; 1 hexagonal plastic cap 10 x 10 mm, black; 1 locking nut M10, galvanized; 1 hexagonal wrench SW 2,5 mm                                                                                                                                                                                             |  | White<br>Black                                     | 950251<br>950259           | <b>122,66</b><br><b>122,66</b>                  | Zehnder Folio Glass                                                    |

## Mounting sets for repeat ordering

| Description                                                                                                                                                                                                                                                                                                                                        |                                                                                     | Version                                            | Article number             | Price €                                         | Application                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------|-------------------------------------------------|-------------------------------------------------------------|
| <b>Mounting set</b><br>4 wall brackets comprising wall sleeve (60 mm) with threaded pin; combination spacer (54 mm) and clamp; 4 plastic anchors 10 x 70 mm; 4 hexagonal screws with slot 6 x 80 mm, galvanised; 4 washers, galvanised; 1 Allen key (SW 2,5 mm); 2 directional air vents ½"; installation instructions                             |    | Standard finish<br>Special finish<br>Chrome-plated | 935011<br>935019<br>935018 | <b>113,46</b><br><b>183,98</b><br><b>254,52</b> | Zehnder Yucca Asym                                          |
| <b>Mounting set</b><br>4 wall brackets comprising wall sleeve (60 mm) with threaded pin; combination distance piece (54 mm) and clamp; 4 plastic anchors 10 x 70 mm; 4 hexagonal screws with slot 6 x 80 mm, galvanised; 4 washers, galvanised; 1 Allen key SW 2,5 mm; installation instructions                                                   |    | Standard finish<br>Special finish<br>Chrome-plated | 962891<br>962899<br>962898 | <b>100,16</b><br><b>170,70</b><br><b>241,20</b> | Zehnder Yucca electric operation with Immersion heater RACY |
| <b>Mounting set</b><br>4 wall brackets comprising wall sleeve (60 mm) with threaded pin; 4 spacers with thread; 4 plastic anchors (8 x 40 mm); 4 hexagonal screws with slot (6 x 50 mm), galvanised; 4 washers, galvanised; 1 Allen key SW 2,5 mm; 1 decorative directional air vent (½"); installation instructions                               |    | Standard finish<br>Special finish                  | 962161<br>962169           | <b>97,63</b><br><b>129,06</b>                   | Zehnder Vitalo Bar, Zehnder Folio Belt / Folio Hybrid       |
| <b>Mounting set</b><br>1 wall bracket comprising wall sleeve (60 mm) with threaded pin; 1 spacer with thread; 1 chain with 2 chain fasteners; 5 plastic anchors (8 x 40 mm); 5 hexagonal screws with slot (6 x 50 mm), galvanised; 5 washers, galvanised; 1 Allen key SW 2,5 mm; 1 decorative directional air vent (½"); installation instructions |   | Standard finish<br>Special finish                  | 962171<br>962179           | <b>97,63</b><br><b>129,06</b>                   | Zehnder Vitalo Bar with EasyFit connection box              |
| <b>Mounting set</b><br>4 wall brackets comprising wall sleeve (60 mm) with threaded pin; 4 spacers with thread; 4 plastic anchors (8 x 40 mm); 4 hexagonal screws with slot (6 x 50 mm), galvanised; 4 washers, galvanised; 1 Allen key (SW 2,5 mm); installation instructions                                                                     |  | Standard finish<br>Special finish                  | 962181<br>962189           | <b>97,63</b><br><b>129,06</b>                   | Zehnder Vitalo Bar electric operation                       |

## Mounting sets for repeat ordering

| Description                                                                                                                                                                                                                                                                                                                                                           |                                                                                    | Version                           | Article number   | Price €                        | Application                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------|------------------|--------------------------------|--------------------------------------------------------------------------------|
| <b>Mounting set</b><br>4 wall brackets comprising wall sleeve (40 mm) with threaded pin, spacer (32 mm);<br>4 plastic anchors (8 x 40 mm); 4 hexagonal screws with slot (6 x 50 mm), galvanised; 4 washers, galvanised; 1 Allen key (SW 2,5 mm); 1 decorative directional air vent (½"); 2 blanking plugs (½"), chrome-plated; 1 vent tool; installation instructions |   | Standard finish<br>Special finish | 962071<br>962079 | <b>113,46</b><br><b>183,98</b> | Zehnder Metropolitan Spa / Bar<br>(can also be used for dual energy operation) |
| <b>Mounting set</b><br>4 wall brackets comprising wall sleeve (40 mm) with threaded pin, distance piece (32 mm); 4 plastic anchors 8 x 40 mm; 4 hexagonal screws with slot 6 x 50 mm, galvanised; 4 washers, galvanised; 1 Allen key SW 2,5 mm; installation instructions                                                                                             |   | Standard finish<br>Special finish | 962081<br>962089 | <b>100,16</b><br><b>170,70</b> | Zehnder Metropolitan Spa / Bar electric operation                              |
| <b>Mounting set</b><br>2 wall brackets AKPS (with anti-lifting);<br>2 wall brackets AKP; 4 sound insulation parts;<br>8 plastic plugs 8 x 40 mm, 8 hexagonal screws 6 x 50 mm, galvanised; air vent ½", air vent key, installation instruction                                                                                                                        |   | Standard finish<br>Special finish | 963121<br>963129 | <b>139,00</b><br><b>145,95</b> | Zehnder Fina Lean Bar                                                          |
| <b>Mounting set</b><br>2 wall brackets AKPS (with anti-lifting);<br>2 wall brackets AKP; 4 sound insulation parts;<br>8 plastic plugs 8 x 40 mm, 8 hexagonal screws 6 x 50 mm, galvanised; installation instruction                                                                                                                                                   |  | Standard finish<br>Special finish | 963131<br>963139 | <b>139,00</b><br><b>145,95</b> | Zehnder Fina Lean Bar electric operation                                       |



## Mounting sets for repeat ordering

| Description                                                                                                                                                                                                                                                                                                                                                         |                                                                                     | Version                                                               | Article number                       | Price €                                                          | Application                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------|--------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------------|
| <b>Mounting set</b><br>4 wall brackets comprising wall sleeve (60 mm) with threaded pin, spacer (32 mm); 4 plastic anchors 8 x 40 mm; 4 hexagonal screws with slot (6 x 50 mm), galvanised; 4 washers, galvanised; 1 Allen key SW 2,5 mm; 1 directional air vent ½"; 2 blanking plugs ½"; installation instructions                                                 |    | Standard finish<br>Special finish<br>Chrome-plated                    | 923191<br>923199<br>923198           | <b>116,10</b><br><b>188,22</b><br><b>265,41</b>                  | Zehnder<br>Kazeane                                                     |
| <b>Mounting set</b><br>4 wall brackets comprising wall sleeve (60 mm) with threaded pin, spacer (32 mm); 4 plastic anchors 8 x 40 mm; 4 hexagonal screws with slot (6 x 50 mm), galvanised; 4 washers, galvanised; 1 Allen key SW 2,5 mm; installation instructions                                                                                                 |    | Standard finish<br>Special finish<br>Chrome-plated                    | 950281<br>950289<br>950288           | <b>100,16</b><br><b>170,70</b><br><b>241,20</b>                  | Zehnder<br>Kazeane<br>electric operation                               |
| <b>Mounting set</b><br>4 wall brackets comprising wall sleeve (50 mm) with threaded pin; spacer with thread (M12); 4 plastic anchors (8 x 40 mm); 4 hexagonal screws with slot (6 x 40 mm), galvanised; 4 washers, galvanised; installation instructions                                                                                                            |    | Standard finish<br>Special finish                                     | 962671<br>962679                     | <b>102,05</b><br><b>178,25</b>                                   | Zehnder Roda Spa<br>Asym                                               |
| <b>Mounting set</b><br>4 wall sleeves (60 mm); 4 socket screws (4 x 20 mm); 4 plastic anchors (8 x 40 mm); 4 hexagonal screws with slot (6 x 80 mm), galvanised; 4 washers, galvanised; 1 Allen key (SW 3 mm); 1 decorative directional air vent (½"); 2 blanking plugs (½"), chrome-plated; 1 vent tool; installation instructions                                 |   | Standard finish<br>Special finish<br>Chrome-plated<br>Stainless steel | 952201<br>952209<br>952208<br>952200 | <b>118,49</b><br><b>192,08</b><br><b>265,73</b><br><b>265,73</b> | Zehnder Quaro                                                          |
| <b>Mounting set</b><br>4 wall sleeves (60 mm); 4 socket screws (4 x 20 mm); 4 plastic anchors (8 x 40 mm); 4 hexagonal screws with slot (6 x 80 mm), galvanised; 4 washers, galvanised; 1 Allen key (SW 3 mm); installation instructions                                                                                                                            |  | Standard finish<br>Special finish<br>Chrome-plated                    | 952211<br>952219<br>952218           | <b>104,59</b><br><b>178,26</b><br><b>251,83</b>                  | Zehnder Quaro<br>electric operation                                    |
| <b>Mounting set</b><br>4 wall brackets comprising wall sleeve (40 mm) with threaded pin, spacer (32 mm); 4 plastic anchors (8 x 40 mm); 4 hexagonal screws with slot (6 x 50 mm), galvanised; 4 washers, galvanised; 1 Allen key (SW 2,5 mm); 1 decorative directional air vent (½"); 2 blanking plugs (½"), chrome-plated; 1 vent tool; installation instructions  |  | Standard finish<br>Special finish<br>Chrome-plated                    | 952101<br>952109<br>952108           | <b>113,46</b><br><b>183,98</b><br><b>254,52</b>                  | Zehnder Subway                                                         |
| <b>Mounting set</b><br>4 wall brackets comprising wall sleeve (40 mm) with threaded pin, distance piece (32 mm); 4 plastic anchors 8 x 40 mm; 4 hexagonal screws with slot 6 x 50 mm, galvanised; 4 washers, galvanised; 1 Allen key SW 2,5 mm; installation instructions                                                                                           |  | Standard finish<br>Special finish<br>Chrome-plated                    | 954101<br>954109<br>954108           | <b>100,16</b><br><b>170,70</b><br><b>241,20</b>                  | Zehnder Subway<br>electric operation                                   |
| <b>Mounting set</b><br>4 wall brackets* comprising wall sleeve (60 mm) with threaded pin, spacer (32 mm); 4 plastic anchors (8 x 40 mm); 4 hexagonal screws with slot (6 x 50 mm), galvanised; 4 washers, galvanised; 1 Allen key (SW 2,5 mm); 1 decorative directional air vent (½"); 2 blanking plugs (½"), chrome-plated; 1 vent tool; installation instructions |  | Standard finish<br>Special finish<br>Chrome-plated                    | 952111<br>952119<br>952118           | <b>113,46</b><br><b>183,98</b><br><b>254,52</b>                  | Zehnder Subway<br>(with extended wall clearance)                       |
| <b>Mounting set</b><br>4 wall brackets* comprising wall sleeve (60 mm) with threaded pin, spacer (32 mm); 4 plastic anchors 8 x 40 mm; 4 hexagonal screws with slot 6 x 50 mm, galvanised; 4 washers, galvanised; 1 Allen key SW 2,5 mm; installation instructions                                                                                                  |  | Standard finish<br>Special finish<br>Chrome-plated                    | 954111<br>954119<br>954118           | <b>100,16</b><br><b>170,70</b><br><b>241,20</b>                  | Zehnder Subway<br>electric operation<br>(with extended wall clearance) |

\* for mounting with extended wall clearance

## Mounting sets for repeat ordering

| Description                                                                                                                                                                                                                                                                                                                |                                                                                     | Version                                                               | Article number                       | Price €                                                         | Application                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------|--------------------------------------|-----------------------------------------------------------------|---------------------------------------|
| <b>Mounting set</b><br>3 wall brackets comprising wall sleeve (60 mm) with threaded pin; combination spacer (40 mm) and clamp; 3 plastic anchors (8 x 40 mm); 3 hexagonal screws with slot (6 x 50 mm), galvanised; 3 washers, galvanised; 1 Allen key (SW 2,5 mm); 1 directional air vent (¼"); installation instructions |    | Standard finish<br>Special finish<br>Chrome-plated                    | 926021<br>926029<br>926028           | <b>70,83</b><br><b>124,33</b><br><b>131,71</b>                  | Zehnder Toga <sup>1)</sup>            |
| <b>Mounting set</b><br>3 wall brackets comprising wall sleeve (60 mm) with threaded pin; combination spacer (40 mm) and clamp; 3 plastic anchors (8 x 40 mm); 3 hexagonal screws with slot (6 x 50 mm), galvanised; 3 washers, galvanised; 1 Allen key (SW 2,5 mm); installation instructions                              |    | Standard finish<br>Special finish<br>Chrome-plated                    | 925021<br>925029<br>925028           | <b>70,83</b><br><b>124,33</b><br><b>131,71</b>                  | Zehnder Toga electric operation       |
| <b>Mounting set</b><br>4 wall brackets comprising wall sleeve (60 mm) with threaded pin; combination spacer (40 mm) and clamp; 4 plastic anchors (8 x 40 mm); 4 hexagonal screws with slot (6 x 50 mm), galvanised; 4 washers, galvanised; 1 Allen key (SW 2,5 mm); 1 directional air vent (½"); installation instructions |    | Standard finish<br>Special finish                                     | 923131<br>923139                     | <b>97,99</b><br><b>209,62</b>                                   | Zehnder Forma Asym <sup>1)</sup>      |
| <b>Mounting set</b><br>4 wall brackets comprising wall sleeve (80 mm) with threaded pin; combination spacer (40 mm) and clamp; 4 plastic anchors (8 x 40 mm); 4 hexagonal screws with slot (6 x 50 mm), galvanised; 4 washers, galvanised; 1 Allen key (SW 2,5 mm); installation instructions                              |   | Standard finish<br>Special finish                                     | 950291<br>950299                     | <b>97,99</b><br><b>209,62</b>                                   | Zehnder Forma Asym electric operation |
| <b>Mounting set</b><br>4 wall brackets comprising wall sleeve (60 mm) with threaded pin; combination spacer (40 mm) and clamp; 4 plastic anchors (8 x 40 mm); 4 hexagonal screws with slot (6 x 50 mm), galvanised; 4 washers, galvanised; 1 Allen key (SW 2,5 mm); 1 directional air vent (½"); installation instructions |  | Standard finish<br>Special finish<br>Chrome-plated<br>Stainless steel | 923021<br>923029<br>923028<br>923060 | <b>96,18</b><br><b>205,75</b><br><b>217,98</b><br><b>217,98</b> | Zehnder Forma Spa                     |
| <b>Mounting set</b><br>4 wall brackets comprising wall sleeve (50 mm) with threaded pin; 4 spacers (25 mm) with thread; 4 plastic anchors (8 x 40 mm); 4 hexagonal screws (10 x 45 mm), galvanised; 4 washers, galvanised; directional air vent (½"); blanking plug (½"); installation instructions                        |  | Standard finish<br>Special finish                                     | 923041<br>923049                     | <b>59,11</b><br><b>118,22</b>                                   | Zehnder Forma Spa double-layer        |
| <b>Mounting set</b><br>4 wall brackets comprising wall sleeve (60 mm) with threaded pin; combination spacer (40 mm) and clamp; 4 plastic anchors (8 x 40 mm); 4 hexagonal screws with slot 6 x 50 mm, galvanised; 4 washers, galvanised; 1 Allen key (SW 2,5 mm); installation instructions                                |  | Standard finish<br>Special finish<br>Chrome-plated                    | 923031<br>923039<br>923038           | <b>96,18</b><br><b>205,75</b><br><b>217,98</b>                  | Zehnder Forma Spa electric operation  |
| <b>Mounting set</b><br>4 wall brackets comprising wall sleeve (40 mm) with threaded pin, distance piece (32 mm); 4 plastic anchors 8 x 40 mm; 4 hexagonal screws with slot 6 x 50 mm, galvanised; 4 washers, galvanised; 1 Allen key SW 2,5 mm; 1 air vent ½"; 1 blanking plug ½", chrome-plated; 1 venting key            | Without illustration                                                                | Chrome-plated                                                         | 928052                               | <b>248,28</b>                                                   | Zehnder Stalox                        |

<sup>1)</sup> In the case of radiators with centre connections, the original scope of delivery includes two additional blanking plugs.



## Mounting sets for repeat ordering

| Description                                                                                                                                                                                                                      |                                                                                   | Version                                                                                                    | Article number                       | Price €                                                      | Application                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|--------------------------------------|--------------------------------------------------------------|---------------------------------------------------|
| <b>Mounting set</b><br>4 wall brackets comprising wall sleeve with fixing screws and cover; 4 distance pieces; 4 plastic anchors; 4 screws 5,5 x 50 mm, 4 washers, 1 air vent ½", 1 blanking plug ½"                             | Without illustration                                                              | White (straight version)<br>White (curved version)<br>Chrome (straight version)<br>Chrome (curved version) | 926511<br>926521<br>926518<br>926528 | <b>44,49</b><br><b>56,96</b><br><b>67,32</b><br><b>83,62</b> | Zehnder Aura                                      |
| <b>Mounting set</b><br>3 wall brackets comprising wall sleeve with 3 plastic anchors 8 x 40 mm; 3 hexagonal screws 5,5 x 50 mm, galvanised; 3 washers, galvanised; 1 Allen key for M5; 1 blind plug                              | Without illustration                                                              | White<br>Chrome<br>Black matt                                                                              | 926281<br>926288<br>926289           | <b>38,13</b><br><b>54,58</b><br><b>45,17</b>                 | Zehnder Aura electric                             |
| <b>Extension set for wall brackets</b><br>consisting of 2 wall sleeves (80 mm) for installation for extended wall clearance; incl. screws and anchors<br><br>Application: compensating for a recess in the wall (e.g. tile edge) |  | Standard finish<br>Special finish<br>Chrome-plated                                                         | 782061<br>782069<br>782068           | <b>41,87</b><br><b>57,37</b><br><b>60,81</b>                 | Vitalo Bar, Toga, Forma Asym / Spa (single-layer) |
| <b>Mounting set</b><br>4 wall brackets with threaded pin; 4 plastic anchors; 4 screws 5,5 x 50 mm, 4 washers; 1 air vent ½", 1 blanking plug ½"; 1 Allen key 2,5 mm                                                              | Without illustration                                                              | White<br>Chrome-plated<br>Special finish                                                                   | 926281<br>926288<br>926289           | <b>38,13</b><br><b>54,58</b><br><b>45,17</b>                 | Zehnder Virando                                   |
| <b>Mounting set</b><br>4 wall brackets with threaded pin; 4 plastic anchors; 4 screws 5,5 x 50 mm, 4 washers; 1 air vent ½", 1 blanking plug ½"; 1 Allen key 2,5 mm                                                              | Without illustration                                                              | White<br>Special finish                                                                                    | 926191<br>926199                     | <b>42,78</b><br><b>50,83</b>                                 | Zehnder Virando Bow                               |
| <b>Mounting set</b><br>4 wall brackets with threaded pin; 4 plastic anchors; 4 screws 5,5 x 50 mm, 4 washers; 1 air vent ½", 1 blanking plug ½"; 1 Allen key 2,5 mm                                                              | Without illustration                                                              | White<br>Anthracite<br>Chrome-plated                                                                       | 926681<br>926680<br>926688           | <b>44,49</b><br><b>46,59</b><br><b>67,32</b>                 | Zehnder Zeta                                      |

<sup>1)</sup> In the case of radiators with centre connections, the original scope of delivery includes two additional blanking plugs.

## Comfort accessories

| Description                                                                                                                                                                                    |                                                                                     | Version                                          | Article number                       | Price €                                                          | Application                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------|--------------------------------------|------------------------------------------------------------------|--------------------------------------------|
| <b>Towel rail</b><br>High-quality towel rail in stainless steel.<br>For subsequent assembly in any height.<br>Rectangular version 30 x 4 mm.                                                   |    | 342 [305]<br>490 [453]<br>638 [601]              | 468002<br>468012<br>468022           | <b>214,06</b><br><b>228,32</b><br><b>242,58</b>                  | Arteplano                                  |
| <b>Towel rail</b><br>High-quality towel rail in steel, chrome plated.<br>For subsequent assembly in fixed position.                                                                            |    | 490 [441]<br>590 [540]                           | 468438<br>468448                     | <b>242,58</b><br><b>256,85</b>                                   | Folio Glass                                |
| <b>Towel rail</b><br>High-quality towel rail in brass, chrome-plated, with concealed attachment for asymmetric (max. 395 mm) or symmetric installation; max. load 5 kg (asym.) or 10 kg (sym.) |    | 295 [400]<br>395 [500]<br>495 [600]<br>795 [900] | 468038<br>468048<br>468058<br>468078 | <b>156,06</b><br><b>156,06</b><br><b>156,06</b><br><b>186,16</b> | Metropolitan Spa / Bar                     |
| <b>Towel hook</b><br>Set of 2 high-quality towel hooks in steel, chrome-plated, with soft insert for simple attachment; max. load 5 kg                                                         |    |                                                  | 480438                               | <b>57,04</b>                                                     | Metropolitan Spa / Bar, Kazeane            |
| <b>Towel rail</b><br>High-quality design in brass, chrome-plated, with 2-point magnetic holder; max. load 5 kg                                                                                 |    | 399 (297)<br>432 (330)<br>531 (429)              | 471108<br>471118<br>471128           | <b>269,02</b><br><b>280,57</b><br><b>308,62</b>                  | Roda Twist Spa Air, Metropolitan Spa / Bar |
| <b>Towel hook</b><br>High-quality double hook in brass, chrome-plated, with 1-point magnetic holder; max. load 5 kg                                                                            |  | 100                                              | 470328                               | <b>135,31</b>                                                    | Roda Twist Spa Air, Metropolitan Spa / Bar |
| <b>Lambswool cleaning brush</b><br>3-finger brush with real lambswool trimming for optimum cleaning of the tubes, and all points that are hard to access                                       |  |                                                  | 601040                               | <b>60,41</b>                                                     | Yucca <sup>2)</sup> , Toga                 |
|                                                                                                                                                                                                |                                                                                     |                                                  | 601020                               | <b>55,16</b>                                                     | Charleston Bar                             |

<sup>1)</sup> Overall length of the holder at the outermost points; figure in round brackets for fixing dimension for 2-point attachment; figure in square brackets for related radiator length.

<sup>2)</sup> Yucca, Yucca Asym.

# We will make you fit for the future

With our new generation of immersion heaters, Zehnder is setting standards that go far beyond heating. Easy to install and with intuitive controls, these immersion heaters provide the maximum user comfort.

There is also a wide range of control options to suit every need.

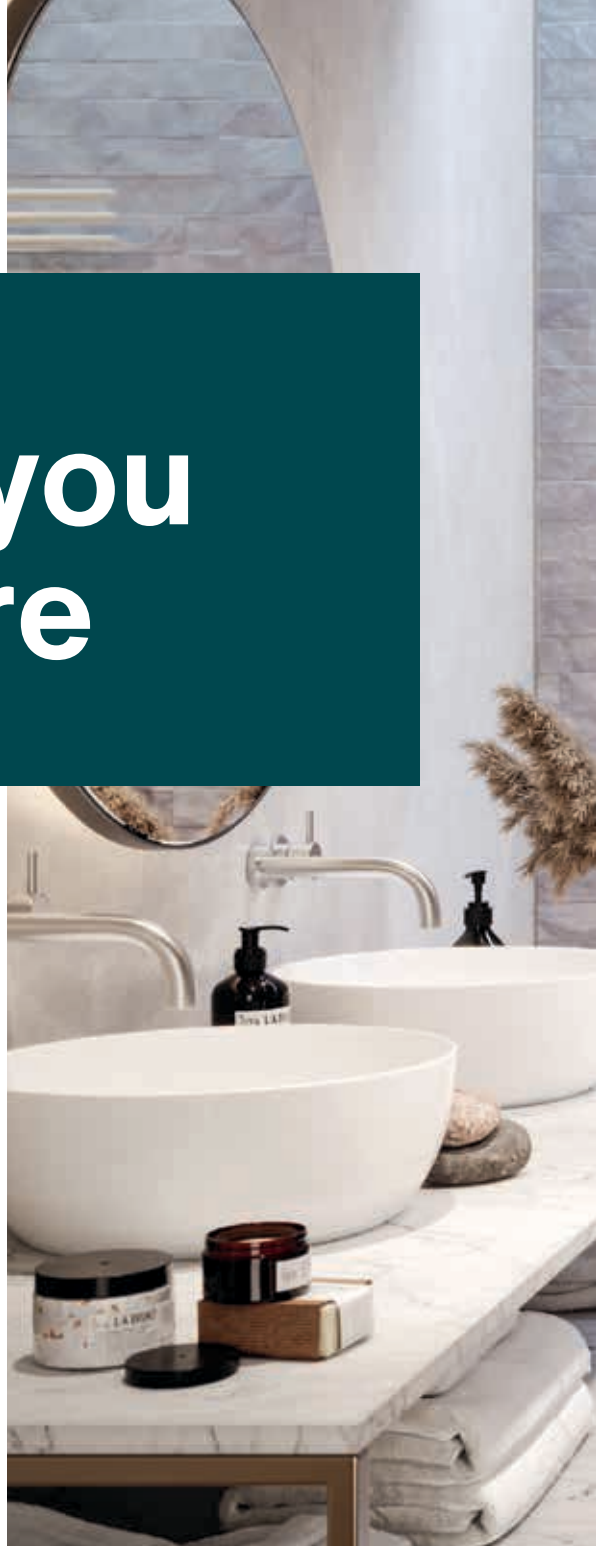
Targeted radiator controls are another impressive feature, helping to reduce energy costs while reducing the environmental impact at the same time.

**Comfort and variety to suit every need.**



**Get ready for the future with the new generation of immersion heaters.**

This icon is displayed alongside all of our designer radiators that can be used with our new range of immersion heaters.



## Clear advantages

- Simple and intuitive – with up to three control options
- The perfect solution for a wide range of individual needs
- Modern and elegant design
- Save the planet and money too, through targeted energy use



### State-of-the-art technology

- Adjustable surface temperature
- Temperature controls for each room
- Timer function
- Daily and weekly programming via the app
- Integrated energy efficiency in line with ecodesign requirements

# Easy to use in every way

## The Zehnder Immersion Heater Control (IHC)

The Immersion Heater Control (IHC) is the all-rounder among the new Zehnder immersion heaters. Thanks to its modular operating concept, it suits a wide range of needs and is extremely user friendly.

Choose how to control the radiator: directly using the dial, with a remote control or using the handy Zehnder Connect app.

Every option is intuitive and self-explanatory. The LED matrix display shows the current operating status in a clear and simple way. In addition to its easy, comfortable range of controls, the IHC is also sustainable, as the electronic control unit can be replaced independently from the immersion heater.

#sustainability  
#digital  
#optionsforeveryone

#userfriendly  
#security  
#modularity

### 1 Control directly from the immersion heater

Press and rotate the knob to switch between the various heating modes and adjust temperatures and configurations.

**Simple, intuitive control without additional devices**



LED matrix display

Rotary knob





## 2 Easy remote control

The Easy remote control, which can be ordered separately, is designed to manage basic functions used on a daily basis, such as “On/Off” and “Adjust room temperature”.

A wall mount is provided for installation at a convenient height, and the remote control can be taken out of the mount for use. The remote control can also be used without a base mount.

**Comfortable control at a convenient height**



## 3 Zehnder Connect app

Use the Zehnder Connect app to control radiators via a Bluetooth-enabled smartphone, with options to set up additional functions such as a weekly programme.

**Smart controls with precise settings**



### Colour options

Available in three different colours (black, white and grey) with a modern design featuring an LED matrix display

# Sustainable and easy to integrate

## The Zehnder Immersion Heater Easy (IHE)

The Immersion Heater Easy (IHE) is an integrated option for smart home systems with on-site control.

The new technical Zehnder patented solution reduces output in the upper temperature range to 50%, limiting temperature fluctuations and saving energy. This also extends the immersion heater's service life, making it more sustainable.

**#sustainability**  
**#longerproductlifecycle**  
**#energyefficiency**  
**#easyintegration**





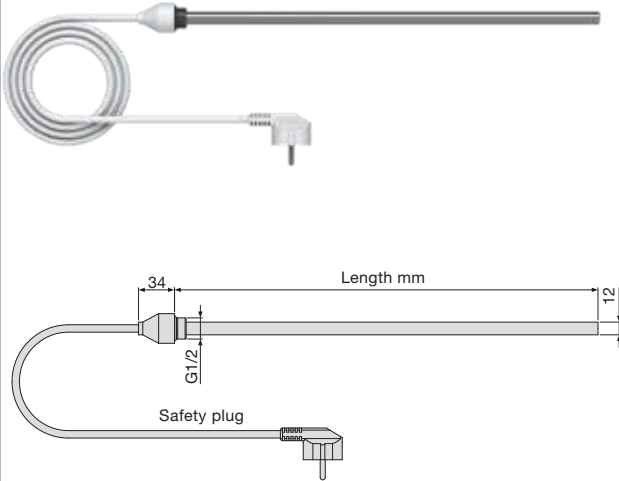


## Electric heating elements for dual energy operation

### Electric heating element IHE <sup>2)</sup>

Protection class IP65 (protected against water jets (nozzle) from any angle), protection class I, for mains voltage 230 volts  $\pm 10\%$ . With screw-in thread G 1/2" and 3-core connection cable 1.2 m long with safety plug. With built-in temperature control patented by Zehnder for energy-saving operation and extended service life compared to conventional immersion heaters. The patented temperature control causes the immersion heater to heat up quickly and reduce its power consumption to 50 % when the temperature limit is reached, thus reducing the number of switching cycles and preventing overheating. Thus, power consumption in continuous operation is reduced, safe operation is ensured and a longer service life of the immersion heater is achieved by reducing the number of switching cycles. Temperature limitation of the heat transfer fluid to approx. 70 °C. With dry-running protection (after the temperature limiter has responded and the cause has been eliminated, e.g. insufficient amount of liquid, the immersion heater can be used again after a reset). Housing and cable / plug in white. IHE heating element can be used in dual energy mode without control or in combination with on-site control. Suitable for Zehnder decorative radiators: Yucca, Metropolitan, Kazeane, Quaro, Subway, Toga, Forma, Tetris.

| Model      | Nominal output Watt | Max. length <sup>3)</sup> in mm | Article number | Price € |
|------------|---------------------|---------------------------------|----------------|---------|
| IHE White  | 300                 | 400                             | 858151         | 83,97   |
| IHE White  | 600                 | 620                             | 858161         | 88,67   |
| IHE White  | 900                 | 850                             | 858171         | 97,91   |
| IHE White  | 1200                | 980                             | 858181         | 105,00  |
| IHE Chrome | 300                 | 420                             | 858158         | 97,47   |
| IHE Chrome | 600                 | 620                             | 858168         | 102,60  |
| IHE Chrome | 900                 | 850                             | 858178         | 112,86  |
| IHE Chrome | 1200                | 980                             | 858188         | 123,12  |



### T-piece

For dual energy operation of hot water central heating system with electric heating element. Installation of T-piece in the return for vertical installation of the electric heating elements (IHC or IHE) and connection of the return via an angled return screw connection.

| Model                             | Article number | Price € |
|-----------------------------------|----------------|---------|
| T-piece white (WIVAR, RICA, IHE)  | 853181         | 27,19   |
| T-piece chrome (WIVAR, RICA, IHE) | 853188         | 28,34   |
| T-piece white (DBM, IHE)          | 853111         | 27,19   |
| T-piece chrome (DBM, IHE)         | 853118         | 28,34   |



<sup>2)</sup> Can be used in hot water heating systems with max. operating temperature of 95°C and maximum operating pressure of 4,0 bar  
<sup>3)</sup> Manifold, in which the heat element is build-in needs to have 1,5 times the length of the heating element

## Electric heating elements for dual energy operation

### Immersion heater IHC<sup>1)</sup>

The immersion heater IHC with integrated control has a modular operating concept that is applied according to the user's needs. All basic functions, such as changing the temperature or a timer function, can be set directly on the immersion heater - ideal for customers who do not want an additional device.

For an even simpler and more convenient operation the control unit EASY can additionally be used. With the free Zehnder Connect app (available for the iOS and Android operating systems) and the additionally available Connect box (see page 155), further operating options are available also offering additional setting options. The uniform, intuitive user interface simplifies switching between the three operating options - for even more operating convenience. Great variety of configuration options - the product for every application!

In addition, the immersion heater is available in three housing colours - each with colour-matching cable and plug and is the first immersion heater to offer simple limitation of the surface temperature, which is applied regardless of the mode set. Plastic housing Ø 40 mm, length 128 mm. Rated power 300, 600, 900 or 1200 watts. Mains voltage 230 - 240 V, protection class II, protection class IP 54 (splash-proof). With ½" thread, 2-core connection cable 1.20 metres, outlet downwards with contour plug in white, grey or black (depending on housing colour). By pressing and turning the rotary knob, the various heating modes can be selected, temperatures adjusted and configuration changes made, for example.

#### ■ Room temperature control

(Modes: Frost protection 7 °C, Eco 7-19 °C - preset: 16 °C, Comfort 7-28 °C - preset: 21 °C),  
Eco and comfort temperature can be set separately

#### ■ Timer function

(duration can be selected in 5-minute steps from 0 - 95 min and in 1-hour steps from 2 to 4 hours - default: 60 min)

#### ■ Further configuration options:

- Hotel mode (reasonable combination with switching via key card or switchable power socket; hotel manager can define which mode is executed when switching on - selectable modes: frost protection, comfort, eco timer, comfort timer, timer).
- Surface temperature limitation

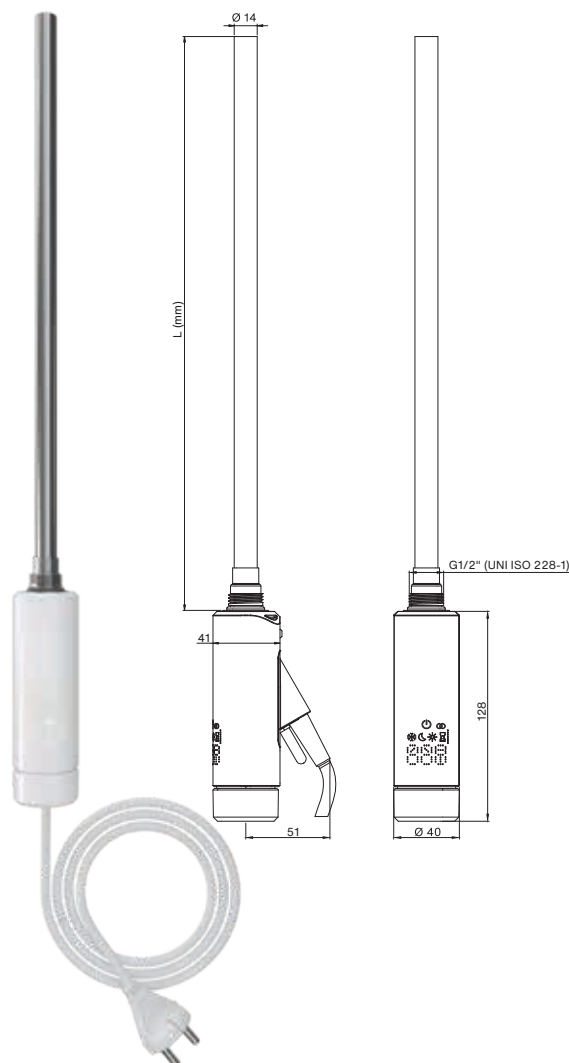
(45, 55, 65 or 80 °C - preset: 80 °C)

- Open window detection

- Daily and weekly programmes adjustable via App Zehnder Connect Suitable or Zehnder decorative radiators:

Yucca, Metropolitan, Kazeane, Quaro, Subway, Toga, Forma, Tetris

| Model          | Nominal output Watt | Max. length <sup>2)</sup> in mm | Article number | Price € |
|----------------|---------------------|---------------------------------|----------------|---------|
| IHC 300 White  | 300                 | 350                             | 857981         | 250,00  |
| IHC 600 White  | 600                 | 510                             | 857991         | 260,00  |
| IHC 900 White  | 900                 | 670                             | 858001         | 270,00  |
| IHC 1200 White | 1200                | 820                             | 858011         | 275,00  |
| IHC 300 Grey   | 300                 | 350                             | 858029         | 250,00  |
| IHC 600 Grey   | 600                 | 510                             | 858039         | 260,00  |
| IHC 900 Grey   | 900                 | 670                             | 858049         | 270,00  |
| IHC 1200 Grey  | 1200                | 820                             | 858059         | 275,00  |
| IHC 300 Black  | 300                 | 350                             | 857989         | 250,00  |
| IHC 600 Black  | 600                 | 510                             | 857999         | 260,00  |
| IHC 900 Black  | 900                 | 670                             | 858009         | 270,00  |
| IHC 1200 Black | 1200                | 820                             | 858019         | 275,00  |



<sup>1)</sup> Can be used in hot water heating systems with max. operating temperature 95 °C and operating overpressure 4.0 bar

<sup>2)</sup> The manifolds in which the immersion heater is installed must be max. 1.5 times the length of the immersion heater.

Electric heating elements for dual energy operation

Control unit Easy (RCE)

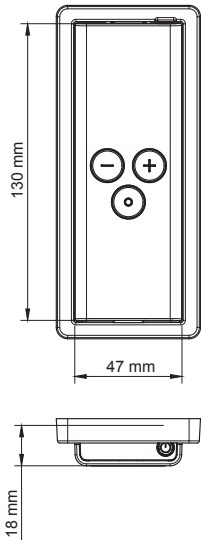
Battery-operated radio control unit for immersion heater IHC - the easy convenient operating option at eye level. With the mode- plus/minus button, the mode can be adapted as well as setpoint temperature and timer. Operating concept analogue to the IHC immersion heater, plastic housing with wall bracket, white.

Can be used either iwith wall bracket or separately, dimensions of the control unit 130 x 47 x 18 mm. Delivery includes batteries (2 x AA)

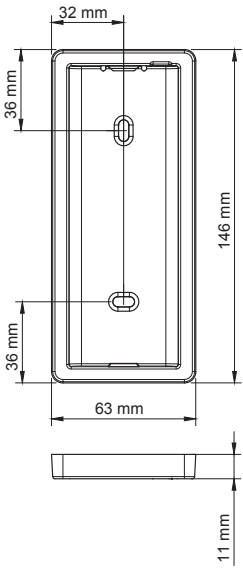
| Model | Article number | Price € |
|-------|----------------|---------|
| RCE   | 887970         | 133,38  |



Control unit Easy with Wall mounting frame



Wall mounting frame

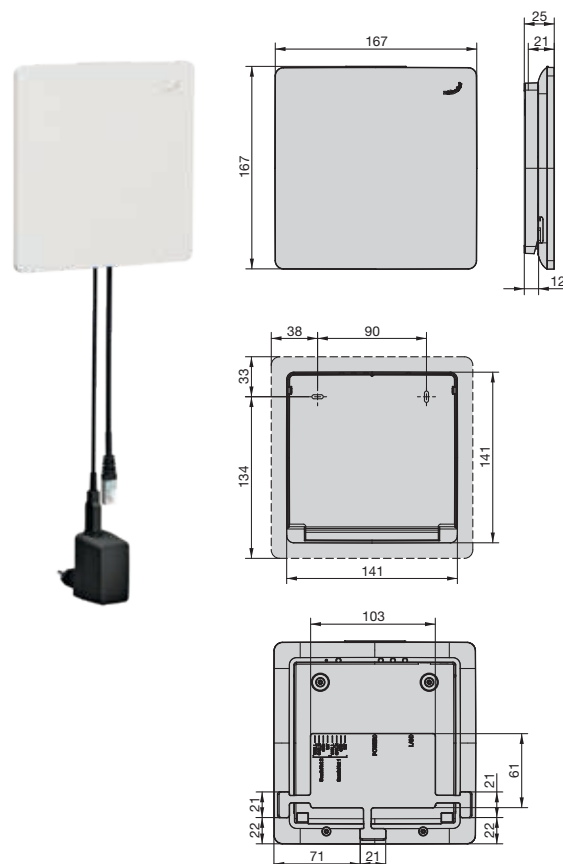


## Electric heating elements for dual energy operation

### Zehnder Connect-Box

For voice control of Zehnder Zenia with the voice assistants Amazon Alexa and Google Assistant. In addition, the Zehnder Connect app in connection with the Zehnder Connect-Box can also be used to remotely control compatible products such as the IHC Immersion heater with a smartphone. Scope of delivery: Zehnder Connect-Box incl. wall bracket, mounting material, LAN cable (length 1.4 m) and connection cable (length 1.9 m) incl. power supply unit with Euro plug for mains voltage 230 V.

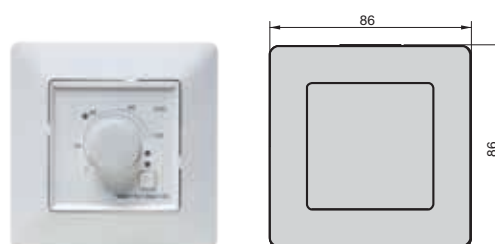
| Model               | Article number | Price € |
|---------------------|----------------|---------|
| Zehnder Connect-Box | 887220         | 338,58  |



### Timer switch incl. frame

Time setting by means of rotary knob. Timer switch 2 - 120 minutes. Start by pressing the button and premature stop by pressing the button for a longer time. 2-wire connection by means of screw terminals, 8 A / 250 V, mounting in standard flush-mounted box. With cover frame 86 x 86 x 10 mm to snap on. Ideal in combination with immersion heater IHE

| Model                                       | Article number | Price € |
|---------------------------------------------|----------------|---------|
| Timer switch incl. frame / white            | 856320         | 119,02  |
| Timer switch incl. frame / Aluminium-optics | 856330         | 121,07  |



## Electric heating elements for dual energy operation

### Electric heating element DBM 2)

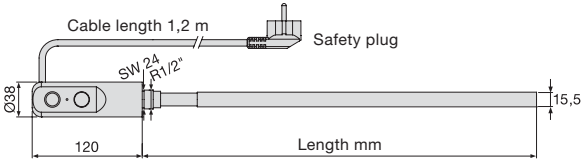
Degree of protection IP44 (splash-proof), for supply voltage 230 V ±10%. With G ½" screw-in thread and 3-core connection cable (1,2 m) with safety plug, collar and assembly key. With dry-running protection against operation without sufficient filling quantity. With rotary knob for selecting the following operating modes:

- Medium temperature max. 40°C
- Medium temperature max. 70°C
- Timer with automatic shut-off after 2 hours
- Off



| Model          | Nominal output Watt | Max. length in mm | Article number | Price € |
|----------------|---------------------|-------------------|----------------|---------|
| DBM 300 white  | 300                 | 330               | 857461         | 405,96  |
| DBM 600 white  | 600                 | 480               | 857481         | 433,24  |
| DBM 900 white  | 900                 | 630               | 857501         | 514,97  |
| DBM 1200 white | 1200                | 800               | 857521         | 542,22  |

Suitable for decorative radiators: Kazeane, Toga, Forma Spa (for allocation of output to the radiator models, see product pages)



For legend, see “Electric operation and Ecodesign Directive” on page 166

## Electric heating elements for dual energy operation

### Electric heating element WIVAR II <sup>1)</sup>

Standard version for temperature control directly at electric heating element (as towel warmer  or via optional control device model 1 (as electric radiator ). With control knob to set the medium temperature and LED indicator for the operating mode (see below); white plastic box, Ø 34 mm; 134 mm in length.

Nominal output 300, 600, 900 or 1200 watts. Supply voltage 230–240 V, protection class I (with earth wire), VDE-tested, IP64 degree of protection (splash-proof). With conical ½" screw-in thread incl. assembly key. 3-core connection cable, 1,20 m, downwards outlet with white plug.

#### Operating modes

- Frost protection ~12°C (LED flashes blue every 10 s)
- Heating level 1 ~50°C (green LED)
- Heating level 2 ~65°C (orange LED)
- Timer ~65°C for 2 h (LED flashes orange every 2 s)

Suitable for Zehnder decorative radiators:  
Yucca, Yucca Asym, Subway, Toga, Forma Spa  
(for allocation of output to the radiator models, see product pages)



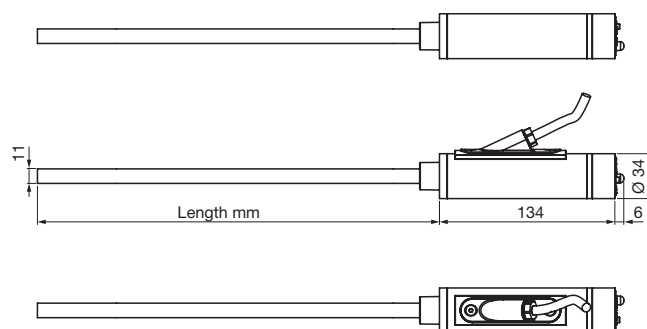
| Model      | Nominal output Watt | Length max. mm | Article number | Price € |
|------------|---------------------|----------------|----------------|---------|
| WIVAR 300  | 300                 | 305            | 862522         | 420,16  |
| WIVAR 600  | 600                 | 475            | 862532         | 439,61  |
| WIVAR 900  | 900                 | 645            | 862542         | 476,99  |
| WIVAR 1200 | 1200                | 830            | 862552         | 509,89  |

### Electric heating element WIVAR Hotel

Version same as WIVAR II, but specifically for connection to a switchable socket. Heating level 1 is selected automatically when the system is connected to the mains power supply.



| Model            | Nominal output Watt | Length max. mm | Article number | Price € |
|------------------|---------------------|----------------|----------------|---------|
| WIVAR Hotel 300  | 300                 | 305            | 862400         | 420,16  |
| WIVAR Hotel 600  | 600                 | 475            | 862430         | 439,61  |
| WIVAR Hotel 900  | 900                 | 645            | 862460         | 476,99  |
| WIVAR Hotel 1200 | 1200                | 830            | 862490         | 509,89  |



### Cover parts for electric heating element WIVAR II / WIVAR Hotel

For adapting the electric heating element to the radiator colour

| Version                            | Article number | Price € |
|------------------------------------|----------------|---------|
| Cover parts set, chrome-plated     | 889308         | 112,17  |
| Cover parts set, in special colour | 889309         | 91,25   |



### Control device model 1

Battery-operated remote control device (white plastic housing) for room temperature control and for controlling timer functions for WIVAR II; dimensions 88 x 88 x 21 mm.

| Model                         | Article number | Price € |
|-------------------------------|----------------|---------|
| Control device model 1, white | 895351         | 216,83  |

#### Functions

- Frost protection ~12°C
- Room temperature control with 4 adjustable temperatures
- Timer ~65°C with selectable times: 1/2/4 h
- Battery status indicator
- Option to load a weekly programme using Bluetooth and the Android and iOS app



<sup>1)</sup> Can be used in hot water heating systems with max. operating temperature of 85°C  
For legend, see "Electric operation and Ecodesign Directive" on page 166 



## Thermostats

| Description                                                                                                                                                                                                                                                            |                                                                                     | Version                                                                                      | Article number                                           | Price €                                                                                         | Application                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| <b>Zehnder thermostat "Design Line"</b><br>Thermostat with integrated fluid sensor. Can be restricted and locked to individual reference value of 6,5 - 28 °C, connection for thermostat M 30 x 1,5                                                                    |    | White<br>Chrome<br>Stainless steel optic<br>Copper<br>Bronze <sup>1)</sup><br>Special finish | 841271<br>841278<br>853720<br>853850<br>853860<br>841279 | <b>64,11</b><br><b>64,11</b><br><b>131,65</b><br><b>171,72</b><br><b>171,72</b><br><b>73,79</b> | For all radiators with threaded connection M 30 x 1,5 mm |
| <b>Zehnder thermostat "LH2"</b><br>Thermostat with integrated fluid sensor, tested according to EN 215. Can be limited and blocked to individual nominal value. Reference range value 7 to 28 °C. Version with zero setting, thermostat threaded connection M 30 x 1,5 |    | White<br>Chrome                                                                              | 819140<br>819148                                         | <b>35,02</b><br><b>60,35</b>                                                                    |                                                          |
| <b>Zehnder thermostat "DH"</b><br>Thermostat with integrated expansion material sensor, reference value range 7 to 28 °C. Version with zero setting. Threaded connection M 30 x 1,5 with cover of union nut                                                            |    | White<br>Chrome                                                                              | 819050<br>819058                                         | <b>35,02</b><br><b>53,36</b>                                                                    |                                                          |
| <b>Zehnder thermostat "SH"</b><br>Elegant thermostat with integrated fluid sensor, tested according to EN 215, reference value range 7 to 28 °C. Version with zero setting. Thermostat threaded connection M 30 x 1,5 with chrome-plated union nut                     |    | White<br>Chrome<br>Stainless steel                                                           | 819080<br>819088<br>819082                               | <b>38,09</b><br><b>53,47</b><br><b>53,47</b>                                                    |                                                          |
| <b>Angle adapter for thermostat M 30 x 1,5</b>                                                                                                                                                                                                                         |  | White                                                                                        | 819500                                                   | <b>13,92</b>                                                                                    |                                                          |
| <b>Directional air vent, nickel-plated, self-sealing</b>                                                                                                                                                                                                               |  | ¼"<br>½"                                                                                     | 816010<br>816030                                         | <b>4,17</b><br><b>4,17</b>                                                                      |                                                          |
| <b>Decorative directional air vent set, chrome</b><br>Comprising 2 x directional air vents (½") with cover, vent tool and plug key                                                                                                                                     |  | Chrome                                                                                       | 816508                                                   | <b>13,98</b>                                                                                    |                                                          |
| <b>Directional air vent, chrome-plated, self-sealing</b><br>Suitable for max. operating pressure of 18 bar                                                                                                                                                             |  | ½"                                                                                           | 816070                                                   | <b>7,09</b>                                                                                     |                                                          |
| <b>Blanking plug, nickel-plated, self-sealing</b>                                                                                                                                                                                                                      |  | ½"                                                                                           | 974020                                                   | <b>2,39</b>                                                                                     |                                                          |
| <b>Blanking plug, chrome-plated</b><br>Suitable for max. operating pressure of 18 bar                                                                                                                                                                                  |  | ½"                                                                                           | 974058                                                   | <b>6,28</b>                                                                                     |                                                          |

<sup>1)</sup> Suitable for connection fitting and valve body in brass.

## Zehnder Design Line Valves

| Description                                                                                                                                                                                                                                                                                                        |  | Version                                                     | Article nr.                                    | Price €                                                                           | Application                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------|------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------|
| <b>Valve set type A</b><br>Angled flow and lockshield, thermostatic insert M 30 x 1,5 mm with pre-setting 1-7, manual handwheel, including 2 pcs 3/4" Eurocone nuts Ø 16,8 mm in finish of valve body, without adaptors for pipes                                                                                  |  | White<br>Chrome                                             | 838881<br>838888                               | <b>76,44</b><br><b>76,44</b>                                                      | For all radiators with threaded connection M 30 x 1,5 mm |
| <b>Valve set type B</b><br>Angled flow and lockshield, manual handwheel thermostatic insert M 30 x 1,5 mm with pre-setting 1-7, including 2 pcs 3/4" Eurocone nuts Ø 16,8 mm in finish of valve body, without adaptors for pipes                                                                                   |  | White<br>Chrome<br>Stainless steel optic<br>Copper<br>Brass | 838891<br>838898<br>838930<br>838900<br>838910 | <b>119,66</b><br><b>119,66</b><br><b>137,38</b><br><b>194,62</b><br><b>194,62</b> |                                                          |
| <b>Valve set type C</b><br>Straight flow and lockshield, manual handwheel thermostatic insert M 30 x 1,5 mm with pre-setting 1-7, including 2 pcs 3/4" Eurocone nuts Ø 16,8 mm in finish of valve body, without adaptors for pipes                                                                                 |  | White<br>Chrome                                             | 838941<br>838948                               | <b>119,66</b><br><b>119,66</b>                                                    |                                                          |
| <b>Valve set type D</b><br>Reverse flow and angled lockshield, manual handwheel thermostatic insert M 30 x 1,5 mm with pre-setting 1-7, including 2 pcs 3/4" Eurocone nuts Ø 16,8 mm in finish of valve body, without adaptors for pipes                                                                           |  | White<br>Chrome                                             | 838951<br>838958                               | <b>125,37</b><br><b>125,37</b>                                                    |                                                          |
| <b>Valve set type G</b><br>Angled-angled flow head to the left, thermostatic insert M 30 x 1,5 mm with pre-setting 1-7, manual handwheel, lockshield angled, including 2 pcs 3/4" Eurocone nuts Ø 16,8 mm in finish of valve body, without adaptors for pipes                                                      |  | White<br>Chrome<br>Stainless steel optic                    | 838981<br>838988<br>838980                     | <b>133,41</b><br><b>133,41</b><br><b>159,85</b>                                   |                                                          |
| <b>Valve set type I</b><br>Angled-angled flow head to the right, manual handwheel, thermostatic insert M 30 x 1,5 mm with pre-setting 1-7, lockshield angled, including 2 pcs 3/4" Eurocone nuts Ø 16,8 mm in finish of valve body, without adaptors for pipes                                                     |  | White<br>Chrome<br>Stainless steel optic                    | 838991<br>838998<br>838990                     | <b>133,41</b><br><b>133,41</b><br><b>159,85</b>                                   |                                                          |
| <b>Valve set type J</b><br>Single entry/monotube valve vertical, straight, with by-pass, thermostatic insert M 30 x 1,5 mm with pre-setting 1-7, turnable for manual handwheel to the left or right, including 2 pcs 3/4" Eurocone nuts Ø 16,8 mm in finish of valve body and dip tube, without adaptors for pipes |  | White<br>Chrome                                             | 839001<br>839008                               | <b>132,50</b><br><b>132,50</b>                                                    |                                                          |

➡ Direction of flow

All valves etc. suitable for operating temperature max. 110 °C and operating pressure max. 10 bar, if not indicated differently.  
For further information, please see information in the keyword list.

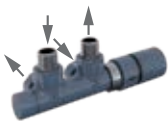
All valves respectively connection fittings are delivered with handwheels as protection caps (thermostatic heads to be ordered separately) and union nuts as transition to the tube (matching adaptors and connection sets are to be ordered separately!) ➡ see page 162.

## Zehnder Design Line Valves

| Description                                                                                                                                                                                                                                                                                |  | Version                                                     | Article nr.                                    | Price €                                                                           | Application                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------|------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------|
| <b>Valve type K</b><br>Single entry/monotube valve vertical, angled, with by-pass, thermostatic insert M 30 x 1,5 mm with pre-setting 1-7, manual handwheel to the right, including 2 pcs ¾" Eurocone nuts Ø 16,8 mm in finish of valve body and dip tube, without adaptors for pipes      |  | White<br>Chrome<br>Stainless steel optic                    | 839011<br>839018<br>839010                     | <b>129,26</b><br><b>129,26</b><br><b>197,37</b>                                   | For all radiators with ½" female thread |
| <b>Valve type M</b><br>Single entry/monotube valve vertical, angled, with by-pass, thermostatic insert M 30 x 1,5 mm with pre-setting 1-7, manual handwheel to the left, including 2 pcs ¾" Eurocone nuts Ø 16,8 mm in finish of valve body and dip tube, without adaptors for pipes       |  | White<br>Chrome                                             | 839021<br>839028                               | <b>129,26</b><br><b>129,26</b>                                                    |                                         |
| <b>Valve type N</b><br>Single entry/monotube valve horizontal, straight, with by-pass, thermostatic insert M 30 x 1,5 mm with pre-setting 1-7, manual handwheel to the top, including 2 pcs ¾" Eurocone nuts Ø 16,8 mm in finish of valve body and dip tube, without adaptors for pipes    |  | White<br>Chrome                                             | 839031<br>839038                               | <b>173,82</b><br><b>173,82</b>                                                    |                                         |
| <b>Valve type O</b><br>50 mm straight, thermostatic insert M 30 x 1,5 mm with pre-setting 1-7 and by-pass, turnable for manual hand-wheel to the left or right, including 2 pcs ¾" Eurocone nuts Ø 16,8 mm in finish of valve body, without adaptors for pipes                             |  | White<br>Chrome                                             | 839041<br>839048                               | <b>132,50</b><br><b>132,50</b>                                                    |                                         |
| <b>Valve type P</b><br>50 mm angled, with by-pass, to the right thermostatic insert M 30 x 1,5 mm, with pre-setting 1-7 and by-pass, manual handwheel, including 2 pcs ¾" Eurocone nuts Ø 16,8 mm in finish of valve body, without adaptors for pipes                                      |  | White<br>Chrome<br>Stainless Steel optic<br>Copper<br>Brass | 839051<br>839058<br>839090<br>839060<br>839070 | <b>132,50</b><br><b>132,50</b><br><b>171,72</b><br><b>228,96</b><br><b>228,96</b> |                                         |
| <b>Valve type Q</b><br>50 mm angled, with by-pass, to the left thermostatic insert M 30 x 1,5 mm with pre-setting 1-7 and by-pass, manual handwheel, including 2 pcs ¾" Eurocone nuts Ø 16,8 mm in finish of valve body, without adaptors for pipes                                        |  | White<br>Chrome<br>Stainless Steel optic<br>Copper<br>Brass | 839101<br>839108<br>839140<br>839110<br>839120 | <b>132,50</b><br><b>132,50</b><br><b>171,72</b><br><b>228,96</b><br><b>228,96</b> |                                         |
| <b>Valve type U</b><br>50 mm swiveling design valve straight or angled, with by-pass, thermostatic insert M 30 x 1,5 mm with pre-setting 1-7, manual handwheel to the left or to the right, including 2 pcs ¾" Eurocone nuts Ø 16,8 mm in finish of valve body, without adaptors for pipes |  | White<br>Chrome                                             | 839171<br>839178                               | <b>242,19</b><br><b>242,19</b>                                                    |                                         |
| <b>Valve type W</b><br>Square shaped, angled, lockshield, not thermostatic, manual handwheel, including 2 pcs ¾" Eurocone nuts Ø 16,8 mm in finish of valve body, without adaptors for pipes                                                                                               |  | Chrome                                                      | 839198                                         | <b>220,83</b>                                                                     |                                         |

All valves respectively connection fittings are delivered with handwheels as protection caps (thermostatic heads to be ordered separately) and union nuts as transition to the tube (matching adaptors and connection sets are to be ordered separately!) see page 162.

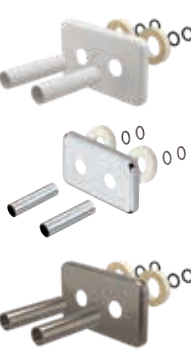
## Zehnder Design Line Coloured Valves

| Description                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                     | Version                                    | Article nr. | Price €       | Application                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------|-------------|---------------|----------------------------------------------------------------|
| <b>Zehnder thermostat "Design Line"</b><br>Thermostat with integrated fluid sensor. Can be restricted and locked to individual reference value of 6,5 - 28 °C, connection for thermostat M 30 x 1,5                                                                                                                                                                                                                   |    | Special finish                             | 841279      | <b>73,79</b>  | For all radiators with ½" female thread, in colour of radiator |
| <b>Valve set type B</b><br>Angled flow and lockshield, thermostatic insert M 30 x 1,5 mm with pre-setting 1-7, including 2 pcs ¾" Eurocone nuts Ø 16,8 mm in finish of valve body, without adaptors for pipes.<br>Thermostat Design Line with integrated fluid sensor.<br>Can be restricted and locked to individual reference value of 6,5 - 28 °C, connection for thermostat M 30 x 1,5.                            |    | Special finish                             |             |               |                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                     | Valve set with manual handwheel            | 838899      | <b>119,66</b> |                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                     | Valve set including Design Line thermostat | 839439      | <b>193,45</b> |                                                                |
| <b>Valve type O</b><br>50 mm straight, thermostatic insert M 30 x 1,5 mm with pre-setting 1-7 and by-pass, turnable to the left or right, including 2 pcs ¾" Eurocone nuts Ø 16,8 mm in finish of valve body, without adaptors for pipes.<br>Thermostat Design Line with integrated fluid sensor.<br>Can be restricted and locked to individual reference value of 6,5 - 28 °C, connection for thermostat M 30 x 1,5. |    | Special finish                             |             |               |                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                     | Valve set with manual handwheel            | 839049      | <b>132,50</b> |                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                     | Valve set including Design Line thermostat | 839409      | <b>206,29</b> |                                                                |
| <b>Valve type P</b><br>50 mm angled, with by-pass, to the right thermostatic insert M 30 x 1,5 mm, with pre-setting 1-7 and by-pass, including 2 pcs ¾" Eurocone nuts Ø 16,8 mm in finish of valve body, without adaptors for pipes.<br>Thermostat Design Line with integrated fluid sensor.<br>Can be restricted and locked to individual reference value of 6,5 - 28 °C, connection for thermostat M 30 x 1,5.      |  | Special finish                             |             |               |                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                     | Valve set with manual handwheel            | 839059      | <b>132,50</b> |                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                     | Valve set including Design Line thermostat | 839419      | <b>206,29</b> |                                                                |
| <b>Valve type Q</b><br>50 mm angled, with by-pass, to the left thermostatic insert M 30 x 1,5 mm with pre-setting 1-7 and by-pass, including 2 pcs ¾" Eurocone nuts Ø 16,8 mm in finish of valve body, without adaptors for pipes.<br>Thermostat Design Line with integrated fluid sensor.<br>Can be restricted and locked to individual reference value of 6,5 - 28 °C, connection for thermostat M 30 x 1,5.        |  | Special finish                             |             |               |                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                     | Valve set with manual handwheel            | 839109      | <b>132,50</b> |                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                     | Valve set including Design Line thermostat | 839429      | <b>206,29</b> |                                                                |

➡ Direction of flow

All valves etc. suitable for operating temperature max. 110 °C and operating pressure max. 10 bar, if not indicated differently.  
For further information, please see information in the keyword list.

## Zehnder Design Line Valves

| Description                                                                                                                                                                                           |                                                                                     | Version                                                                                                                                      | Article nr.                                                                                                                      | Price €                                                                                                                                                                                                  | Application                                                                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| <b>Nut ½", 2 pcs</b><br>½" female thread on to ¾" Eurocone                                                                                                                                            |    | White<br>Chrome                                                                                                                              | 842001<br>842008                                                                                                                 | <b>24,23</b><br><b>24,23</b>                                                                                                                                                                             | As an adaptor for connection fittings with ½" external thread                                |
| <b>Adaptors, 2 pcs</b><br>Multilayer Ø 14 mm                                                                                                                                                          |    | Brass                                                                                                                                        | 842160                                                                                                                           | <b>11,41</b>                                                                                                                                                                                             |                                                                                              |
| <b>Adaptors, 2 pcs</b><br>Multilayer 16 x 2,0 mm                                                                                                                                                      |    | Brass                                                                                                                                        | 842060                                                                                                                           | <b>11,41</b>                                                                                                                                                                                             |                                                                                              |
| <b>Adaptors, 2 pcs</b><br>PEX 12 x 1,0 mm                                                                                                                                                             |    | Brass                                                                                                                                        | 842070                                                                                                                           | <b>11,41</b>                                                                                                                                                                                             |                                                                                              |
| <b>Adaptors, 2 pcs</b><br>Multilayer Ø 16 x 2,25 mm                                                                                                                                                   |    | Brass                                                                                                                                        | 842170                                                                                                                           | <b>11,41</b>                                                                                                                                                                                             |                                                                                              |
| <b>Adaptors, 2 pcs</b><br><br>Copper Ø 10 mm<br>Copper Ø 12 mm<br>Copper Ø 14 mm<br>Copper Ø 15 mm<br>Copper Ø 16 mm                                                                                  |   | Brass<br>Brass<br>Brass<br>Brass<br>Brass                                                                                                    | 842080<br>842090<br>842100<br>842110<br>842120                                                                                   | <b>7,13</b><br><b>7,13</b><br><b>7,13</b><br><b>7,13</b><br><b>7,13</b>                                                                                                                                  | Matching to Zehnder Design Line valves and union nuts 2 x ¾" Eurocone (in scope of delivery) |
| <b>Nuts Ø 18 mm - ¾" Eurocone + adaptors copper Ø 18 mm</b><br>2 pcs                                                                                                                                  |  | Chrome / brass                                                                                                                               | 842140                                                                                                                           | <b>35,63</b>                                                                                                                                                                                             |                                                                                              |
| <b>Nuts Ø 20,8 mm - ¾" Eurocone + adaptors multilayer Ø 20 x 2 mm</b><br>2 pcs                                                                                                                        |  | Chrome / brass                                                                                                                               | 842150                                                                                                                           | <b>35,63</b>                                                                                                                                                                                             |                                                                                              |
| <b>Universal Adaptor set</b><br>(without nuts ¾" Eurocone - Ø 16,8 mm)<br>- 2 pcs Alu/Pex multilayer 16 x 2,0 mm<br>- 2 pcs PEX 12 x 1 mm<br>- 2 pcs CU 12 mm<br>- 2 pcs CU 14 mm<br>- 2 pcs CU 15 mm |  | Brass                                                                                                                                        | 842180                                                                                                                           | <b>39,90</b>                                                                                                                                                                                             |                                                                                              |
| <b>Sleeving kit</b><br><br>L = 70 mm<br><br>L = 160 mm                                                                                                                                                |  | Chrome<br>Chrome                                                                                                                             | 853738<br>853668                                                                                                                 | <b>24,23</b><br><b>31,33</b>                                                                                                                                                                             | For connecting radiators                                                                     |
| <b>Sleeving kit 50 mm</b><br><br>for Ø DN 18<br>L = 70 mm<br><br>for Ø DN 18<br>L = 160 mm<br><br>for Ø DN 25<br>L = 70 mm<br><br>for Ø DN 25<br>L = 160 mm                                           |  | White<br>Chrome<br>Technoline<br><br>White<br>Chrome<br>Technoline<br><br>White<br>Chrome<br>Technoline<br><br>White<br>Chrome<br>Technoline | 816321<br>816328<br>816329<br><br>816331<br>816338<br>816339<br><br>816341<br>816348<br>816349<br><br>816351<br>816358<br>816359 | <b>48,40</b><br><b>48,40</b><br><b>72,54</b><br><br><b>48,40</b><br><b>48,40</b><br><b>72,54</b><br><br><b>63,08</b><br><b>63,08</b><br><b>87,44</b><br><br><b>63,08</b><br><b>63,08</b><br><b>87,44</b> | For connecting radiators                                                                     |

## Connection fittings

| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                     | Version                                                                                                                            | Article nr.                                                                                                                                                      | Price €                                                                                                                                                                                              | Application              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>Collar Ø 45 mm</b><br><br>- for Ø ½"<br><br>- for Ø 10 mm<br><br>- for Ø 12 mm<br><br>- for Ø 14 mm<br><br>- for Ø 15 mm<br><br>- for Ø 16 mm<br><br>- for Ø 18 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    | White<br>Chrome<br><br>White<br>Chrome<br><br>White<br>Chrome<br><br>White<br>Chrome<br><br>White<br>Chrome<br><br>White<br>Chrome | 816241<br>816248<br><br>816251<br>816258<br><br>816261<br>816268<br><br>816271<br>816278<br><br>816281<br>816288<br><br>816291<br>816298<br><br>816301<br>816308 | <b>2,85</b><br><b>7,13</b><br><br><b>2,85</b><br><b>7,13</b><br><br><b>2,85</b><br><b>7,13</b><br><br><b>2,85</b><br><b>7,13</b><br><br><b>2,85</b><br><b>7,13</b><br><br><b>2,85</b><br><b>7,13</b> | For existing connections |
| <b>Fitting for Zehnder Yucca</b><br>For single- and twin-tube systems (connection size 50 mm); valve on right, presettable valve insert AV9, flow on both sides, for thermostat M 30 x 1,5; connections at back ¾" external thread, flow/return lockable, with ½" connection for electric heating element on left (can be retrofitted when removing the fittings); connection fitting set to twin-tube operation, can be used for single-tube operation by opening the by-pass screw; supplied as standard with matching cover and cover parts set for the heating element in colour of the radiator (for RAL 9016 without cover parts set), fixings for the cover included with fitting, thermostat available for surcharge; maximum operating pressure 10 bar, 110 °C; version of connection fitting for dual energy operation with WIVAR II / WIVAR Hotel (long cover) |   | Standard finish<br>Special finish<br>Chrome-plated                                                                                 | 976031<br>976039<br>976038                                                                                                                                       | <b>172,59</b><br><b>233,28</b><br><b>289,54</b>                                                                                                                                                      |                          |
| Version of connection fitting for operation on central heating system (short cover)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | Standard finish<br>Special finish<br>Chrome-plated                                                                                 | 976021<br>976029<br>976028                                                                                                                                       | <b>172,59</b><br><b>184,97</b><br><b>229,18</b>                                                                                                                                                      |                          |
| Version of connection fitting without cover                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | Nickel-plated                                                                                                                      | 976103                                                                                                                                                           | <b>130,49</b>                                                                                                                                                                                        |                          |



# Conversion table, f<sub>1</sub> factors

| t <sub>1</sub> \ t <sub>2</sub> |    | 70    |       |       | 65    |       |       | 60    |       |       | 55    |       |       | 50    |       |       | 45    |       |       |
|---------------------------------|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                                 |    | 1,25  | 1,30  | 1,35  | 1,25  | 1,30  | 1,35  | 1,25  | 1,30  | 1,35  | 1,25  | 1,30  | 1,35  | 1,25  | 1,30  | 1,35  | 1,25  | 1,30  | 1,35  |
| 90                              | 10 | 1,516 | 1,542 | 1,568 | 1,499 | 1,462 | 1,483 | 1,363 | 1,380 | 1,397 | 1,283 | 1,296 | 1,309 | 1,201 | 1,210 | 1,219 | 1,117 | 1,122 | 1,127 |
|                                 | 15 | 1,380 | 1,398 | 1,416 | 1,311 | 1,319 | 1,333 | 1,228 | 1,238 | 1,248 | 1,149 | 1,155 | 1,162 | 1,067 | 1,070 | 1,073 | 0,982 | 0,981 | 0,981 |
|                                 | 18 | 1,300 | 1,313 | 1,327 | 1,229 | 1,235 | 1,245 | 1,148 | 1,155 | 1,161 | 1,069 | 1,072 | 1,075 | 0,987 | 0,987 | 0,986 | 0,902 | 0,898 | 0,894 |
|                                 | 20 | 1,247 | 1,258 | 1,269 | 1,175 | 1,180 | 1,187 | 1,096 | 1,100 | 1,104 | 1,017 | 1,017 | 1,018 | 0,935 | 0,932 | 0,930 | 0,849 | 0,843 | 0,838 |
|                                 | 22 | 1,194 | 1,202 | 1,211 | 1,122 | 1,125 | 1,130 | 1,043 | 1,045 | 1,047 | 0,964 | 0,963 | 0,962 | 0,882 | 0,878 | 0,874 | 0,796 | 0,789 | 0,781 |
|                                 | 24 | 1,142 | 1,148 | 1,154 | 1,069 | 1,071 | 1,073 | 0,992 | 0,991 | 0,991 | 0,913 | 0,909 | 0,906 | 0,830 | 0,824 | 0,818 | 0,743 | 0,734 | 0,726 |
| 85                              | 10 | 1,454 | 1,476 | 1,498 | 1,387 | 1,398 | 1,416 | 1,305 | 1,319 | 1,333 | 1,228 | 1,238 | 1,248 | 1,149 | 1,155 | 1,162 | 1,067 | 1,070 | 1,073 |
|                                 | 15 | 1,319 | 1,334 | 1,349 | 1,251 | 1,258 | 1,269 | 1,172 | 1,180 | 1,187 | 1,096 | 1,100 | 1,104 | 1,017 | 1,017 | 1,018 | 0,935 | 0,932 | 0,930 |
|                                 | 18 | 1,240 | 1,251 | 1,261 | 1,171 | 1,175 | 1,182 | 1,094 | 1,098 | 1,102 | 1,017 | 1,018 | 1,019 | 0,939 | 0,936 | 0,934 | 0,856 | 0,851 | 0,846 |
|                                 | 20 | 1,187 | 1,196 | 1,204 | 1,118 | 1,121 | 1,125 | 1,042 | 1,044 | 1,045 | 0,966 | 0,964 | 0,963 | 0,887 | 0,883 | 0,878 | 0,804 | 0,797 | 0,790 |
|                                 | 22 | 1,135 | 1,141 | 1,147 | 1,065 | 1,067 | 1,069 | 0,991 | 0,990 | 0,990 | 0,915 | 0,911 | 0,908 | 0,836 | 0,830 | 0,824 | 0,753 | 0,744 | 0,736 |
|                                 | 24 | 1,084 | 1,087 | 1,091 | 1,013 | 1,013 | 1,014 | 0,941 | 0,937 | 0,935 | 0,864 | 0,859 | 0,854 | 0,785 | 0,777 | 0,770 | 0,701 | 0,691 | 0,682 |
| 80                              | 10 | 1,391 | 1,409 | 1,428 | 1,325 | 1,334 | 1,349 | 1,247 | 1,258 | 1,269 | 1,172 | 1,180 | 1,187 | 1,096 | 1,100 | 1,104 | 1,017 | 1,017 | 1,018 |
|                                 | 15 | 1,258 | 1,269 | 1,281 | 1,191 | 1,196 | 1,204 | 1,116 | 1,121 | 1,125 | 1,042 | 1,044 | 1,045 | 0,966 | 0,964 | 0,963 | 0,887 | 0,883 | 0,878 |
|                                 | 18 | 1,179 | 1,187 | 1,195 | 1,111 | 1,114 | 1,119 | 1,038 | 1,040 | 1,041 | 0,965 | 0,964 | 0,962 | 0,889 | 0,885 | 0,881 | 0,810 | 0,803 | 0,797 |
|                                 | 20 | 1,127 | 1,133 | 1,138 | 1,059 | 1,061 | 1,063 | 0,987 | 0,987 | 0,986 | 0,914 | 0,911 | 0,908 | 0,839 | 0,833 | 0,827 | 0,759 | 0,751 | 0,743 |
|                                 | 22 | 1,076 | 1,097 | 1,082 | 1,008 | 1,008 | 1,008 | 0,937 | 0,934 | 0,932 | 0,864 | 0,859 | 0,854 | 0,788 | 0,781 | 0,773 | 0,709 | 0,699 | 0,690 |
|                                 | 24 | 1,025 | 1,026 | 1,027 | 0,956 | 0,955 | 0,954 | 0,887 | 0,883 | 0,878 | 0,814 | 0,808 | 0,801 | 0,739 | 0,730 | 0,721 | 0,659 | 0,648 | 0,637 |
| 75                              | 10 | 1,326 | 1,342 | 1,357 | 1,262 | 1,269 | 1,281 | 1,187 | 1,196 | 1,204 | 1,116 | 1,121 | 1,125 | 1,042 | 1,044 | 1,045 | 0,966 | 0,964 | 0,963 |
|                                 | 15 | 1,195 | 1,204 | 1,212 | 0,130 | 1,130 | 1,138 | 1,058 | 1,061 | 1,036 | 0,987 | 0,987 | 0,986 | 0,914 | 0,911 | 0,908 | 0,839 | 0,833 | 0,827 |
|                                 | 18 | 1,118 | 1,122 | 1,127 | 1,051 | 1,053 | 1,055 | 0,982 | 0,981 | 0,981 | 0,912 | 0,908 | 0,905 | 0,839 | 0,833 | 0,827 | 0,763 | 0,755 | 0,747 |
|                                 | 20 | 1,066 | 1,069 | 1,072 | 1,000 | 1,000 | 1,000 | 0,932 | 0,929 | 0,927 | 0,862 | 0,857 | 0,852 | 0,789 | 0,782 | 0,775 | 0,714 | 0,704 | 0,695 |
|                                 | 22 | 1,016 | 1,016 | 1,017 | 0,949 | 0,948 | 0,946 | 0,882 | 0,878 | 0,874 | 0,813 | 0,806 | 0,799 | 0,740 | 0,732 | 0,723 | 0,665 | 0,654 | 0,643 |
|                                 | 24 | 0,966 | 0,964 | 0,963 | 0,899 | 0,897 | 0,893 | 0,833 | 0,827 | 0,821 | 0,764 | 0,756 | 0,748 | 0,692 | 0,682 | 0,672 | 0,616 | 0,604 | 0,592 |
| 70                              | 10 |       |       |       | 1,198 | 1,204 | 1,212 | 1,127 | 1,133 | 1,138 | 1,058 | 1,061 | 1,063 | 0,987 | 0,987 | 0,986 | 0,914 | 0,911 | 0,908 |
|                                 | 15 |       |       |       | 1,068 | 1,069 | 1,072 | 1,000 | 1,000 | 1,000 | 0,932 | 0,929 | 0,927 | 0,862 | 0,857 | 0,852 | 0,789 | 0,782 | 0,775 |
|                                 | 18 |       |       |       | 0,991 | 0,990 | 0,990 | 0,925 | 0,922 | 0,919 | 0,858 | 0,853 | 0,847 | 0,788 | 0,781 | 0,773 | 0,716 | 0,707 | 0,697 |
|                                 | 20 |       |       |       | 0,940 | 0,939 | 0,936 | 0,876 | 0,871 | 0,867 | 0,809 | 0,802 | 0,795 | 0,740 | 0,731 | 0,722 | 0,668 | 0,657 | 0,646 |
|                                 | 22 |       |       |       | 0,890 | 0,887 | 0,883 | 0,827 | 0,821 | 0,815 | 0,761 | 0,752 | 0,744 | 0,692 | 0,682 | 0,672 | 0,620 | 0,608 | 0,596 |
|                                 | 24 |       |       |       | 0,840 | 0,837 | 0,831 | 0,779 | 0,771 | 0,763 | 0,713 | 0,703 | 0,694 | 0,644 | 0,633 | 0,622 | 0,572 | 0,560 | 0,547 |
| 65                              | 10 |       |       |       |       |       |       | 1,066 | 1,069 | 1,072 | 1,000 | 1,000 | 1,000 | 0,932 | 0,929 | 0,927 | 0,862 | 0,857 | 0,852 |
|                                 | 15 |       |       |       |       |       |       | 0,941 | 0,936 | 0,936 | 0,876 | 0,871 | 0,867 | 0,809 | 0,802 | 0,795 | 0,740 | 0,731 | 0,722 |
|                                 | 18 |       |       |       |       |       |       | 0,867 | 0,862 | 0,857 | 0,803 | 0,796 | 0,789 | 0,737 | 0,728 | 0,719 | 0,668 | 0,657 | 0,647 |
|                                 | 20 |       |       |       |       |       |       | 0,818 | 0,812 | 0,805 | 0,755 | 0,746 | 0,738 | 0,689 | 0,679 | 0,669 | 0,621 | 0,609 | 0,597 |
|                                 | 22 |       |       |       |       |       |       | 0,770 | 0,762 | 0,755 | 0,707 | 0,698 | 0,688 | 0,642 | 0,631 | 0,620 | 0,574 | 0,561 | 0,549 |
|                                 | 24 |       |       |       |       |       |       | 0,723 | 0,714 | 0,705 | 0,661 | 0,650 | 0,639 | 0,596 | 0,584 | 0,572 | 0,528 | 0,515 | 0,502 |
| 60                              | 10 |       |       |       |       |       |       |       |       |       | 0,941 | 0,939 | 0,936 | 0,876 | 0,871 | 0,867 | 0,809 | 0,802 | 0,795 |
|                                 | 15 |       |       |       |       |       |       |       |       |       | 0,818 | 0,812 | 0,805 | 0,755 | 0,746 | 0,738 | 0,689 | 0,679 | 0,669 |
|                                 | 18 |       |       |       |       |       |       |       |       |       | 0,747 | 0,738 | 0,729 | 0,684 | 0,674 | 0,664 | 0,619 | 0,607 | 0,596 |
|                                 | 20 |       |       |       |       |       |       |       |       |       | 0,700 | 0,690 | 0,680 | 0,638 | 0,626 | 0,615 | 0,573 | 0,560 | 0,548 |
|                                 | 22 |       |       |       |       |       |       |       |       |       | 0,653 | 0,642 | 0,631 | 0,592 | 0,579 | 0,567 | 0,528 | 0,514 | 0,501 |
|                                 | 24 |       |       |       |       |       |       |       |       |       | 0,607 | 0,595 | 0,584 | 0,546 | 0,533 | 0,521 | 0,483 | 0,469 | 0,455 |
| 55                              | 10 |       |       |       |       |       |       |       |       |       |       |       |       | 0,818 | 0,812 | 0,805 | 0,755 | 0,746 | 0,738 |
|                                 | 15 |       |       |       |       |       |       |       |       |       |       |       |       | 0,700 | 0,690 | 0,680 | 0,638 | 0,626 | 0,615 |
|                                 | 18 |       |       |       |       |       |       |       |       |       |       |       |       | 0,630 | 0,619 | 0,607 | 0,569 | 0,556 | 0,544 |
|                                 | 20 |       |       |       |       |       |       |       |       |       |       |       |       | 0,585 | 0,572 | 0,560 | 0,524 | 0,511 | 0,498 |
|                                 | 22 |       |       |       |       |       |       |       |       |       |       |       |       | 0,540 | 0,527 | 0,514 | 0,480 | 0,466 | 0,453 |
|                                 | 24 |       |       |       |       |       |       |       |       |       |       |       |       | 0,496 | 0,482 | 0,469 | 0,437 | 0,422 | 0,409 |

Conversion factors f<sub>1</sub> for converting the standard thermal output at 75/65/20°C to other system temperatures:  $\Phi = \Phi_S \cdot f_1$

The radiator exponent depends on the model and type of radiator and can therefore be found in the table containing the technical specifications for the respective radiator. For exponents other than those given, the correction factor can be interpolated or precisely calculated according to the above formulae. An exponent of 1,3 can be used for the approximate calculation.

$$\Phi = \Phi_S \times f_1 \quad \text{or} \quad \Phi = \Phi_S \times \left( \frac{\Delta t}{\Delta t_n} \right)^n$$

$$\text{with } \Delta t = \frac{(t_1 - t_r) - (t_2 - t_r)}{\ln \left( \frac{t_1 - t_r}{t_2 - t_r} \right)} = \frac{t_1 - t_2}{\ln \left( \frac{t_1 - t_r}{t_2 - t_r} \right)}$$

Example for Zehnder Yucca:

What is the effective output at 60/45/24°C?

Model YSD-130-080;  $\Phi_S = 1024 \text{ W}$ , exponent  $n = 1,30$   
 $t_1 = 60^\circ\text{C}$ ,  $t_2 = 45^\circ\text{C}$ ,  $t_r = 24^\circ\text{C}$

f<sub>1</sub> from table: f<sub>1</sub> = 0,469  
 $\Phi_S = \Phi_S \times f_1 = 1024 \text{ W} \times 0,469 = 480 \text{ W}$



## Keyword list

### Accessories

A wide range of accessories are available for various additional uses, such as hanging up towels. For more information, see the section on "Accessories".

### Baffle

To avoid reduced output, e.g. with a riding connection, internal installations, e.g. baffles, deflector plates, guide plates, are required. Detailed information is available on request.

### Benefits

See "Product description"

### CE marking

The CE marking on Zehnder radiators shows that they are manufactured in accordance with the prevailing European standard EN 442 and that the product has been subjected to the prescribed conformity evaluation procedure.



The following parameters, which allow the CE marking to be shown, can be found in the respective product section:

- Model description
- Max. operating pressure
- Nominal heat output

| Product/product family | CE - Year |
|------------------------|-----------|
| Zehnder Alban          | CE - 20   |
| Zehnder Archibald      | CE - 16   |
| Zehnder Deseo Verso    | CE - 20   |
| Zehnder Arteplano      | CE - 17   |
| Zehnder Chime          | CE - 20   |
| Zehnder Folio Belt     | CE - 16   |
| Zehnder Folio Hybrid   | CE - 17   |
| Zehnder Tetris         | CE - 23   |
| Zehnder Pera           | CE - 20   |
| Zehnder Yucca          | CE - 05   |
| Zehnder Vitalo         | CE - 13   |
| Zehnder Zenia          | CE - 17   |
| Zehnder Metropolitan   | CE - 09   |
| Zehnder Kazeane        | CE - 17   |
| Zehnder Roda           | CE - 08   |
| Zehnder Quaro          | CE - 11   |
| Zehnder Subway         | CE - 08   |
| Zehnder Toga           | CE - 05   |
| Zehnder Forma          | CE - 05   |
| Zehnder Stalox         | CE - 06   |
| Zehnder Aura           | CE - 13   |
| Zehnder Fina Lean Bar  | CE - 20   |
| Zehnder Virando        | CE - 16   |
| Zehnder Zeta           | CE - 14   |

### Cleaning

With a lambswool cleaning brush or soft cloth.  
Detailed information is available on request.

### Conversion

Factor for converting the standard thermal output to thermal outputs at other system temperatures; see conversion table of  $f_1$  factors

### Corrosion protection

See "Finish" and "Surface protection"

### Degree of protection

The degree of protection specifies the extent of protection that electrical equipment housing provides against dangerous parts getting into the equipment. The first number indicates the protection against the ingress of foreign objects, and the second the ingress of water.

Example: IP44

1. number = 4 = protection against solid foreign objects, 1,0 mm diameter or larger
2. number = 4 = protection against splash water

### Dimensions

The dimensions indicated in the documentation are correct at the time of printing. Subject to change without notice.

### Electric heating elements

Maximum temperature:

The maximum achievable temperature of the bathroom radiator depends on the following parameters: Nominal thermal output of the radiator, nominal output of the electric heating element, surrounding temperature, time switched on.

Output:

Only a limited electrical output can be installed in the bathroom radiators for safety reasons. Generally, the nominal output of the electric heating element of all Zehnder bathroom radiators should not be greater than the nominal output of the bathroom radiator ( $\Phi_L$  at  $\Delta T$  50 K according to EN 442).

Mounting:

The electric heating element must be sealed with hemp or Teflon tape so that the mains cable is at the back facing the wall.

Please note:

- The electrical installation must comply with local regulations.
- In stationary installation (without plug), a switch must be installed (all-phase isolation from the mains with min. 3 mm contact spacing).
- The bathroom radiator with integrated electric heating element in central heating systems must always be completely filled with water and vented, observing the maximum permissible operating temperature of the applicable electric heating element in hot water heating systems.
- The expansion of the water in the system into the expansion vessel must be guaranteed at all times (do not block return).
- For electric-only bathroom radiators, the defined filling quantity must not be changed.
- The electric heating element must only be opened and the mains cable only replaced by the manufacturer.
- The electric heating element must only be installed vertically (housing always beneath the electric heating element).
- When using radiators with electric heating elements, the qualified electrician is the competent partner for the protective measures to be taken.
- Follow the operating instructions.

Position of electrical connection:

In bathrooms and other wet rooms, special conditions apply to the installation of switches and sockets according to DIN 57100/VDE0100. The suggested position of the socket is chosen so as to facilitate an easy connection. This suggestion does not release the electrical engineer from executing the electrical connection in accordance with local regulations.

Minimum clearances:

The minimum wall and floor clearances must be complied with (see relevant radiator chapter).

The minimum floor clearance must meet the user requirements. The clearance must be increased accordingly in public buildings and to allow the use of cleaning machines.

# Keyword list

## Electric operation and Ecodesign Directive

In deviation from dual energy operation in a central heating system, all electric radiators are fixed units that comprise the actual radiator body, a filling medium (heat transfer fluid), a heating element and associated controls. This unit is subject to a special function test and must not be changed. The heat transfer fluid is frost-proof up to -20°C as long as there are no other restrictions associated with the standard scope of delivery for the radiator in question. The product portfolio also includes dry electric radiators. A large number of radiator models with different control and regulation options are available for a wide range of applications. Electric radiators are subject to the Ecodesign Directive. The aim of this Directive is to reduce the environmental effects of products that consume energy, with the entire product life-cycle taken into account. A points system is used to evaluate the extent to which the Directive has been fulfilled. Various functions, such as standby power consumption ≤ 0,5 W, weekly programme and open window detection, help to fulfil the minimum legal requirements (that is, they help to achieve the minimum number of points). Devices that meet the minimum requirements and are thus compliant with the Ecodesign Directive are marked with this symbol in the price list: . Towel warmers are not subject to the Ecodesign Directive. They are not intended for room heating and are marked with this symbol: .

The following table provides an overview of the available products combined with different control and regulation devices:

| Product/<br>product family  | Control<br>device | Control<br>device in<br>combina-<br>tion with<br>app | Operation<br>on electric<br>heating<br>element | without<br>control<br>device |
|-----------------------------|-------------------|------------------------------------------------------|------------------------------------------------|------------------------------|
| Zehnder Archibald           |                   |                                                      |                                                |                              |
| Zehnder Deseo Verso         |                   |                                                      |                                                |                              |
| Zehnder Folio Glass         |                   |                                                      |                                                |                              |
| Zehnder Folio Hybrid        |                   |                                                      |                                                |                              |
| Zehnder Zenia <sup>1)</sup> |                   |                                                      |                                                |                              |
| Zehnder Tetris              |                   |                                                      |                                                |                              |
| Zehnder Yucca               |                   |                                                      |                                                |                              |
| Zehnder Vitalo              |                   |                                                      |                                                |                              |
| Zehnder Roda                |                   |                                                      |                                                |                              |
| Twist Spa Air               |                   |                                                      |                                                |                              |
| Zehnder Metropolitan        |                   |                                                      |                                                |                              |
| Zehnder Kazeane             |                   |                                                      |                                                |                              |
| Zehnder Quaro               |                   |                                                      |                                                |                              |
| Zehnder Subway              |                   |                                                      |                                                |                              |
| Zehnder Toga                |                   |                                                      |                                                |                              |
| Zehnder Forma               |                   |                                                      |                                                |                              |
| Zehnder Aura                |                   |                                                      |                                                |                              |
| Zehnder Fina Lean Bar       |                   |                                                      |                                                |                              |
| Zehnder Virando             |                   |                                                      |                                                |                              |

- Electric radiator (standard)
- Electric radiator (available as an option)
- Towel warmer (standard)
- Towel warmer (available as an option)

## Environment

The certification of our environmental management system to DIN EN ISO 14001 by an independent institution obliges us to make continuous improvements to our environmental services through reducing or avoiding environmental burdens and waste, encouraging the utilisation and protection of resources as well as observing all environmental laws and regulations applicable to us.

## Finish

Ready-painted radiators in this price list have a two-coat finish (to DIN 55900, Part 1 and 2, comprising primer and top coat). The top coat is a powder coating. The high-quality Zehnder powder coating produces an especially smooth and extremely durable surface. Further information on the applications and limits of radiators is contained in information sheet number 7 of the BDH (Bundesverband der Deutschen Heizungsindustrie e.V.). Please always use the original RAL, NCS colour samples or original colour charts of the sanitary manufacturers for exact colour matching.

For technical production reasons, minor colour deviations are possible in paints on steel surfaces, also when taking the prevailing lighting conditions into account. Deviations can also occur when comparing painted steel surfaces (radiators) with ceramic products. The colours shown here (see inside of back cover) are not binding for printing reasons. Radiators in metallic colours, e.g. RAL 9006, RAL 9007 and Anthracite are unique products and visual differences may appear in the colour, depending on the radiator.

## Fixings

To ensure that radiators are fitted safely, the weight of the radiator and other aspects must be considered when choosing the right quality and quantity of brackets. Additional loads and foreseeable misuse of a radiator must be considered or ruled out by planning and implementation in line with the known building use. The installation situation and accessibility are just as important criteria as brickwork, bracket shape, location of the suspensions, locking device, add-on elements and the like. See also VDI 6036.

## Flow connection

This concerns the connection on the radiator through which the hot water flows into the radiator.

## Galvanisation

See “Surface protection”

## Galvanisation

Galvanisation creates structures on the surface. These are caused by the technological process and therefore are not a fault. We cannot guarantee a clean, smooth surface. Galvanised radiators are generally delivered with a top coat. For explanation, see “Surface protection”.

## Keyword list

| Product/product family     | Special version, galvanised |
|----------------------------|-----------------------------|
| Zehnder Alban              | -                           |
| Zehnder Archibald          | -                           |
| Zehnder Arteplano          | x                           |
| Zehnder Folio Belt         | -                           |
| Zehnder Folio Hybrid       | -                           |
| Zehnder Tetris             | -                           |
| Zehnder Pera               | -                           |
| Zehnder Yucca              | x                           |
| Zehnder Vitalo             | -                           |
| Zehnder Roda Twist Spa Air | -                           |
| Zehnder Metropolitan       | x                           |
| Zehnder Kazeane            | x                           |
| Zehnder Quaro              | x                           |
| Zehnder Subway             | x                           |
| Zehnder Toga               | x                           |
| Zehnder Forma              | x                           |
| Zehnder Aura               | -                           |
| Zehnder Fina Lean Bar      | -                           |
| Zehnder Virando            | -                           |
| Zehnder Zeta               | -                           |

### Hydraulic balancing

By hydraulic balancing the various system resistances are set so that the radiators are supplied with the necessary quantity of water at all operational points, in order to achieve the desired thermal output.

### Inlet and outlet resistance

The coefficient of resistance (zeta value) is used to calculate the pressure loss. For more information, see "Pressure loss".

### Minimum water flow

If the flow of water through a radiator is heavily reduced, the heat output can fall far below the calculated or indicated value. For this reason, a minimum water flow should always be ensured. The following table shows the approximate minimum water flows  $q_{m \min}$  in % of the nominal flow rate  $q_{ms}$  which does not cause the heat output to deviate from the standard characteristic curve by more than 5%.

| Product/product family                                                                                                                                                            | $q_{m \min}$ in % of $q_{ms}$ |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| Zehnder Archibald                                                                                                                                                                 | 30%                           |
| Zehnder Yucca, Zehnder Metropolitan, Zehnder Kazeane, Zehnder Pera, Zehnder Roda Spa Asym, Zehnder Quaro, Zehnder Toga, Zehnder Forma, Zehnder Stalox, Zehnder Aura, Zehnder Zeta | 27%                           |
| Zehnder Arteplano, Zehnder Fina, Zehnder Folio / Folio Belt, Zehnder Tetris, Zehnder Vitalo                                                                                       | 17%                           |
| Zehnder Virando, Zehnder Zeta                                                                                                                                                     | 27%                           |

### Nominal heat output

The nominal heat output of a radiator is determined in an independent, certified test laboratory according to standard EN 442 at the standard operating temperatures of 75/65/20°C. The conversion of the thermal output to other system temperatures is done on the basis of the nominal heat output according to EN 12831. For easy dimensioning, additional outputs for frequently used temperatures are shown alongside the nominal heat output:

- 70/55/24 °C
- 55/45/24 °C
- 55/45/20 °C

The conversion of the nominal heat output to deviating system temperatures can be done using the  $f_1$ -factors on the conversion factors page.

### Operating pressure

The maximum permissible operating pressure of a radiator depends on its geometry, the material used and the finish. Max. permissible operating pressure according to product:

| Product/product family  | Standard version [bar] | High-pressure version [bar] |
|-------------------------|------------------------|-----------------------------|
| Zehnder Alban           | 5,2                    | -                           |
| Zehnder Archibald       | 12                     | -                           |
| Zehnder Arteplano       | 4,6                    | 10                          |
| Zehnder Chime           | 5,2                    | -                           |
| Zehnder Folio Belt      | 10                     | -                           |
| Zehnder Folio Hybrid    | 10                     | 10                          |
| Zehnder Tetris          | 4                      | -                           |
| Zehnder Pera            | 4                      | -                           |
| Zehnder Yucca           | 12                     | -                           |
| Zehnder Vitalo          | 10                     | -                           |
| Zehnder Vitalo Easy Fit | 6                      | -                           |
| Zehnder Metropolitan    | 4                      | -                           |
| Zehnder Kazeane         | 4                      | -                           |
| Zehnder Quaro           | 10                     | -                           |
| Zehnder Subway          | 10                     | 18                          |
| Zehnder Toga            | 11,5                   | 18                          |
| Zehnder Stalox          | 12                     | 18                          |
| Zehnder Aura            | 10                     | -                           |
| Zehnder Fina Lean Bar   | 6                      | -                           |
| Zehnder Virando         | 10                     | -                           |
| Zehnder Zeta            | 10                     | -                           |

Suitable fittings, plugs and air vents, etc. must be ensured in connection with high pressure applications in excess of 10 bar. Pressure loads up to max. 18 bar are only adaptable for suitable radiators and components as long as pressure shocks can be ruled out.

### Operating temperature

Zehnder radiators can generally be used for hot water heating systems up to 110°C. Exceptions are noted on the product in question. They are suitable for use in district heating, low temperature and condensing systems.

### Packaging

The packaging of Zehnder radiators serves as protection against damage during transport and on building sites. It must be removed before starting the system for the first time in order to avoid any damage caused by condensation.

### Pressure loss

Inlet and outlet resistance per radiator for water flow rates of up to 1 m/s  $\zeta = 3,0$ .

The pressure losses of the presettable standard valve sets to be taken into consideration when designing the pump and basic network layout can be taken from the diagrams on the valve characteristics page.

### Prices

See General Sales and Delivery Conditions. You can find these on our homepage at [www.zehnder.ee/muugi-ja-tarnetingimused](http://www.zehnder.ee/muugi-ja-tarnetingimused)

### Product description

At the beginning of each chapter is a description of the radiator together with its product-specific benefits and applications.

## Keyword list

### Protected areas

The provisions of VDE 0100 must be observed when installing radiators with electric heating elements in wet rooms. Examples of the protected area classification for electrical equipment according to VDE 0100 PART 701 for baths and showers. To avoid the risk of corrosion, Zehnder generally recommends to not install steel radiators close to showers, baths or toilets, only when ordered with special surface treatment, see "Surface protection" or in stainless steel.



#### Areas 0 and 1:

Comprise the inside and surrounding areas of bath tubs and shower trays, area 1 ends at the outer edge of the tub/tray. No radiators with electric heating elements must be installed or connected in these areas.

#### Area 2:

Radiators with electric heating elements can be installed and connected here. The electric heating elements and the connection must have at least degree of protection IPX4 (WIVAR II, WIVAR Hotel, RICA, DBM, RACY).

If the connection is made via a plug and socket, the socket must be outside of areas 0, 1 and 2.

### Quality check

Zehnder Group Deutschland GmbH is certified to DIN ISO 9001 and is therefore subject to stringent quality controls carried out by independent institutions in the areas of Design/Development, Production, Assembly and Customer Service.

### Room divider

An overview of how the designer bathroom radiator can be used as a room divider is provided by the following table. Detailed information can be found in the respective product chapters.

| Product/product family | Room divider |
|------------------------|--------------|
| Zehnder Alban          | -            |
| Zehnder Archibald      | -            |
| Zehnder Arteplano      | -            |
| Zehnder Chime          | -            |
| Zehnder Deseo Verso    | -            |
| Zehnder Folio Belt     | -            |
| Zehnder Folio Glass    | -            |
| Zehnder Folio Hybrid   | -            |
| Zehnder Tetris         | -            |
| Zehnder Pera           | -            |
| Zehnder Yucca Asym     | X            |
| Zehnder Metropolitan   | -            |
| Zehnder Kazeane        | -            |
| Zehnder Quaro          | X            |
| Zehnder Subway         | X            |
| Zehnder Toga           | X            |
| Zehnder Forma          | -            |
| Zehnder Stalox         | -            |
| Zehnder Aura           | -            |
| Zehnder Virando        | -            |
| Zehnder Zeta           | -            |

### Reduced output

The thermal output can be affected depending on where the radiator is installed. The nominal heat output is measured in an unobstructed setting with a ground clearance of 110 mm and a wall clearance of 50 mm. Any reduction in these clearances, as well as installation in alcoves and the application of covers and grilles can, depending on the model, lead to a reduction in thermal output.

### Standard water flow $q_{ms}$

(heating agent flow, flow quantity, mass flow)

The nominal flow rate  $q_{ms}$  of a radiator gives a temperature spread of 10 K at a flow temperature of 75°C (standard thermal output conditions).

$$q_{ms} = \frac{\Phi}{c_p (t_1 - t_2)} \quad c_p \approx 4187 \frac{J}{kg \cdot K}$$

The actual water flow  $q_m$  of a radiator can, at flow and return temperatures other than 75/65°C, deviate significantly from the nominal flow rate  $q_{ms}$ .

### Example

Zehnder Universal

$\Phi_S = 1093 \text{ W}$  (at 55/45/24: 483 W)

Model HU-180-60

Temperatures: 55/40/24 °C

$$q_{ms} = \frac{483}{4187 (55-40)} \quad q_{ms} = 0.015 \text{ kg/s} \approx 41.5 \text{ kg/h}$$

The actual mass flow  $q_m$  is therefore still:

$$q_m \text{ in } \% = \frac{q_m}{q_{ms}} = \frac{41.5}{116.5}$$

$$q_m \text{ in } \% = 36\% \text{ from } q_{ms} > 27\%$$

minimum according to table: 27%.

The example therefore satisfies the guideline for the minimum water flow; see also minimum water flow.

### Registration

Zehnder radiators are tested to EN 442 and comply with this standard.

### Returns

Radiators and accessories cannot be returned.

## Keyword list

### Return connection

This concerns the connection on the radiator through which the hot water leaves the radiator and passes along the return line to the heat generator.

### Scope of delivery

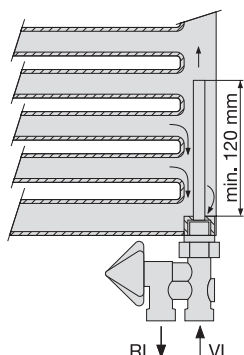
The scope of delivery for the standard version of a radiator can be found in the respective product description.

### Seals

In the case of sealed connections and plugs, it may be necessary to tighten up the connection and blanking plugs depending on the water quality, e.g. in a connection to district heating, after testing the pressure or heating the system for the first time. The sealing materials supplied or used by Zehnder are intended for use in closed heating systems.

### Single-pipe systems

Only possible with valves for vertical installation. We recommend using single-tube valves with an adjustable by-pass or a riser, i.e. with an adjustable water volume above the radiator. Only single-tube valves with baffle plates of at least 120 mm in length may be used. TKM and Oederlin systems with screw-in turbulators and 150 mm baffle plate. Essentially, a reduced output of at least 25% must be considered when using single-tube baffle plates. Function is often guaranteed only for certain models and up to specific lengths. Maximum lengths and an indication of how the radiators function with various makes of valve is available on request.



### Special finish

Zehnder radiators are available in almost every colour conceivable. The Zehnder colour chart shows a selection of the possible colours from various colour systems, such as RAL colours, sanitary colours or the NCS-S system.

The standard finish for the entire Zehnder radiator programme is the colour RAL 9016, Traffic White. A further 33 popular colours form Zehnder colour category 1 (see the respective product tables for prices); another 12 form Zehnder colour category 2, with a surcharge on colour category 1. All other paintable colours are available for a surcharge on request.

Another coating option is the clear lacquer version for Zehnder Metropolitan (Technoline), which falls in category 2. This essentially concerns one unique colour for each radiator. For this reason, different surface structures and visual colour differences can also occur at a later point in time.

These colour deviations are not a fault and are therefore not subject to claims under warranty as described in our General Sales and Delivery Conditions.

Special prices apply for highly-polished metal surfaces and metal look. Refer also to the paint and colour chart on the back cover.

### Standard data set

The standard data set contains all technical information required by layout programmes. Free data sets can be requested direct from Zehnder or downloaded from the internet ([www.zehnder.ee](http://www.zehnder.ee); [www.zehnder.lv](http://www.zehnder.lv); [www.zehnder.it](http://www.zehnder.it)).

### Standard colour and coating

The standard colour for Zehnder radiators is RAL 9016. For more information, see "Finish".

### Storage

Zehnder radiators must be stored for the long term or temporarily in dry and chemical-free rooms.

### Surface protection

We recommend that installation areas affected by damp or chemicals are only fitted with radiators that are galvanised and then given a powder coating.

For possible applications, see "Galvanisation".

### System temperatures

These are the temperatures at which the hot water heating system is operated (flow, return and room temperature).

### Test pressure

Each radiator is checked for leaks by subjecting it to 1,3 times its rated maximum operating pressure before delivery. For orders that do not indicate the actual operating pressure, the radiator will be delivered with the operating pressure of the standard version.

### Technical specifications

The technical specifications indicated in the documentation are correct at the time of printing. We reserve the right to make amendments that improve the product.

### Technoline

See "Special finish"

### Tolerances

Industry-standard tolerances and tolerances based on production technology are subject to change for all indicated dimensions and fall within the tolerances defined in EN 442. The maximum tolerance must be considered during pre-assembly of the pipework or fixing materials. We reserve the right to make technical amendments during the validity of the documentation as part of product improvement.

### Tender specification

The description of a product is shown in the respective chapter in the product description section.

### Thermal output $\Phi$

The thermal output of a radiator model is given by the standard characteristic curve:

$$\Phi = K_M \cdot \Delta T_n$$



EN 442 defines the pan-European test procedure and the measurement method in identically arranged test laboratories.

According to the EN 442 standard, the higher temperature is calculated from the logarithmic mean between flow and return temperature as well as the intake air temperature.

Excess temperature  $\Delta T$ :

$$\Delta T = \frac{t_1 - t_2}{\ln \left( \frac{t_1 - t_r}{t_2 - t_r} \right)}$$

The thermal output for excess temperatures  $\Delta T$  other than the standard excess temperature  $\Delta T = 50 \text{ K}$  can be calculated via the

$$\Phi = \Phi_s \times \left( \frac{\Delta T}{50 \text{ K}} \right)^n$$

equation.



## Keyword list

Example for calculating the thermal output  $\Phi$ :

$$\Phi_S = 1024 \text{ W}$$

$$n = 1,30 = \text{exponent}$$

$$t_1 = 60^\circ\text{C}$$

$$t_2 = 40^\circ\text{C}$$

$$t_r = 24^\circ\text{C}$$

$$\Delta T = \frac{60 - 40}{\ln\left(\frac{60-24}{40-24}\right)} = 24,7 \text{ K}$$

$$\Phi = 1024 \text{ W} \times \left(\frac{24,7 \text{ K}}{50 \text{ K}}\right)^{1,30} = 1024 \text{ W} \times 0,40 = 409 \text{ W}$$

also see “Nominal heat output”

### VDI 6036

Application of the directive VDI 6036 assists all participants in the process to make a comprehensive and comparable assessment of the installation situation. As an accepted rule of technology, this directive and the resulting assessment can also be drawn on for regulation purposes in the event of damages. Directive VDI 6036 classifies applications for radiator fastenings into various requirements classes with different loads. Additional loads for various intensities of misuse can be added to the net weight and water content of the radiator as required. Zehnder publishes a recommendation for the allocation of selected fixing elements – provided not labelled otherwise – by standard for the requirements classes 1 and 2 and stable wall structures (e.g. concrete). Assignment recommendations for requirements class 3 and for special custom applications (requirements class 4) on request.

Example applications from VDI 6036:

**Requirements class 1 and 2** (normal and increased requirements): owner-occupied homes, rented flats, kindergartens, hospitals, retirement and nursing homes, office buildings, doctors’ surgeries/ lawyers offices, retail outlets.

**Requirements class 3** (high-level requirements):

schools, sports facilities, youth centres, meeting places, railway stations, barracks

**Requirements class 4** (very high-level requirements or special burdens):

prisons, psychiatric institutions, special agreements

### Wall clearance

This is the distance between the wall and the back of the radiator. For more information, see “Reduced output”.

### Warranty

See our warranty conditions in our General Sales and Delivery Conditions ([www.zehnder.ee/muugi-ja-tarnetingimused](http://www.zehnder.ee/muugi-ja-tarnetingimused)), the warranty period for the products shown in the Price List is 5 years, and for electrical components just 2 years.

### Water quality

Operating conditions and water quality according to VDI 2035 must be maintained.

Claims under guarantee will be rejected if substances (e.g. chemicals, antifreeze, etc.) which have an aggressive effect on the sealing material are added to the heating water.

In case of non-compliance, no liability can be accepted in accordance with point 8 of our General Sales and Delivery Conditions for sealing material, nor for any resulting defects and consequences. Claims under guarantee in accordance with point 8 of our General Sales and Delivery Conditions will also be rendered invalid in case of:

- Operation with steam,
- Periodical or long-term emptying of the system,
- Excessive sludge in the radiators and
- Occasional or constant see page of oxygen into the system.

### Wet rooms

See “Surface protection”

### WEEE Statement

This product may not be treated as household waste. Instead it should be handed to an appropriate collection point for the recycling of electrical and electronic equipment. For more detailed information about the recycling of this product, please contact your local council office or your household waste disposal service.



| Legend          |                 |                                                             |
|-----------------|-----------------|-------------------------------------------------------------|
| Icon            | Unit            | Description                                                 |
| H               | mm              | Height                                                      |
| L               | mm              | Length                                                      |
| T               | mm              | Depth                                                       |
| H Lam.          | mm              | Height of fins                                              |
| N               | mm              | Boss spacing                                                |
| A               | m <sup>2</sup>  | Surface                                                     |
| V               | dm <sup>3</sup> | Water content                                               |
| M               | kg              | Empty weight                                                |
| t <sub>1</sub>  | °C              | Flow temperature                                            |
| t <sub>2</sub>  | °C              | Return temperature                                          |
| t <sub>r</sub>  | °C              | Room air temperature                                        |
| t <sub>m</sub>  | °C              | Mean water temperature (t <sub>1</sub> +t <sub>2</sub> )/2  |
| ΔT <sub>n</sub> | K               | Standard excess temperature t <sub>m</sub> - t <sub>r</sub> |
| ΔT              | K               | Excess temperature t <sub>m</sub> - t <sub>r</sub>          |
| Φ               | W=(J/s)         | Thermal output                                              |
| Φ <sub>S</sub>  | W               | Nominal heat output                                         |
| Φ <sub>L</sub>  | W               | Nominal heat output of the module                           |
| C <sub>p</sub>  | J/(kg K)        | Specific heat capacity                                      |
| n               | -               | Radiator indicator, exponent                                |
| S <sub>k</sub>  | %               | Proportion of radiation                                     |
| C <sub>k</sub>  | -               | Conversion factor to Φ <sub>S</sub>                         |
| q <sub>m</sub>  | kg/h/(kg/s)     | Water flow                                                  |
| q <sub>ms</sub> | kg/h/(kg/s)     | Nominal flow rate                                           |
| v               | m/s             | Velocity                                                    |
| Δp              | kPa             | Pressure loss, pressure drop                                |
| ζ               | -               | Coefficient of resistance                                   |
| ln              | -               | Natural logarithm                                           |

| Physical unit |                                                                                             |
|---------------|---------------------------------------------------------------------------------------------|
| °C            | Degrees, Celsius                                                                            |
| K             | Kelvin, unit for temperature difference                                                     |
| m             | Metres                                                                                      |
| mm            | Millimetres                                                                                 |
| m/s           | Metres/second, flow rate                                                                    |
| Pa            | Pascal, 1 Pa = 0,102 mmWS                                                                   |
| mmWS          | mm water column                                                                             |
| W             | Watt, unit of power<br>1 W = 0,6 kilocalories/hour<br>old unit of power, 1 kcal/h = 1,163 W |
| c             | Specific heat capacity of water = 1 kcal/kg<br>K = 4,187 kJ/kg K                            |
| kJ            | Kilojoule, 1 kJ = 0,239 kcal                                                                |



# Constant fresh air: hygienic, comfortable, healthy.

Easier, more efficient and more comfortable: ventilation systems from Zehnder achieve the legally required minimum air exchange, deliver lower heating costs and provide for a comfortable indoor climate all year round. Over 40 years' experience developing and producing form the basis for Zehnder complete systems. The individual components, intelligently designed to work together, are characterised by the highest level of functionality and durability.





Balanced ventilation unit Zehnder ComfoAir Q



System expansion:  
Zehnder ComfoClima 36 / ComfoFond-L Q

## Ventilation unit

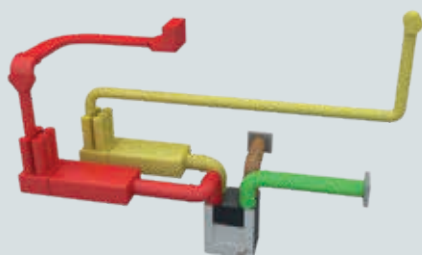
### Efficient and intelligent

The core of the ventilation system enables a high level of heat recovery, low energy consumption and very quiet operation.

The control unit offers direct access to the most important functions.

The menu-guided operation is simple and intuitive; a display provides information about the current status of the ventilation system. Zehnder ventilation units can also be integrated in a Building Management System (BMS).

System expansions, such as a sub-soil heat exchanger or an air tempering unit, can be added to the ventilation system as an option. A sub-soil heat exchanger enables additional pre-tempering of the supply air during both summer and winter – for even more comfort and even greater energy savings. With an air tempering unit, the supply air is actively tempered and dehumidified by means of a heat pump.



Zehnder ComfoTube flat 51 / ComfoTube



Zehnder ComfoTube Therm flat 51 /  
ComfoTube Therm 90

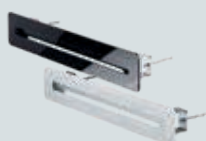
## Air distribution system

### Hygienic and clean

In addition to the ventilation unit, the air distribution system also plays an essential role in the optimum functionality of comfortable indoor ventilation: it influences ventilation performance, appearance, energy efficiency, hygiene and ease of maintenance. The unique variety of the Zehnder product portfolio offers solutions for every situation. The air distribution system is installed invisibly in the wall, ceiling or floor. Clinside, the smooth inner skin of the ventilation tubes, prevents the build-up of dust. Only minimal maintenance is necessary for optimal operation and the filter is replaced swiftly and smoothly. With the new pre-insulated air distribution system Zehnder ComfoFresh with Thermal Shield, Zehnder is taking the next step towards for improving indoor climate solutions: In addition to the transport of clean, fresh air, the new pre-insulated components also enable good-quality air into the living space at a pleasant temperature.



Zehnder Roma



Zehnder  
ComfoGrid Linea



Zehnder ComfoValve  
Luna E125



Zehnder ComfoValve  
Luna S125

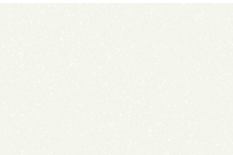
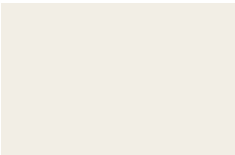
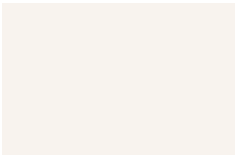
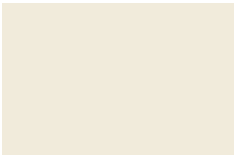
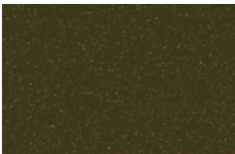
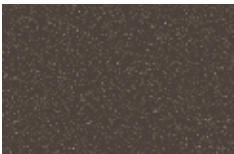
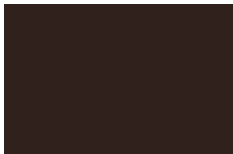
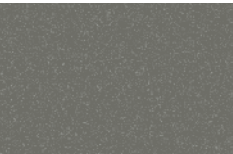
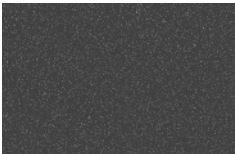
## Designer grilles, valves and slot diffusers

### Perfect appearance

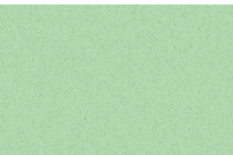
Design cover grilles, valves or slot diffusers in white, black or stainless steel look, whether in white, black or stainless steel look, discreetly conceal the outlets the outlets for supply and extract air in the living room. They provide a pleasant, and noiseless supply of fresh air without draughts.

# Warm colours

## Colour category 1: CORE

|                                                                                    |                                                                                     |                                                                                     |                                                                                      |                                                                                      |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|    |    |    |    |   |
| White Quartz<br>0521                                                               | Pure White<br>RAL 9010                                                              | Edelweiss<br>0067                                                                   | Cream<br>RAL 9001                                                                    | Telegrey 4<br>7247<br>Ref. tone.: RAL 7047                                           |
|    |    |    |    |   |
| Beige Quartz<br>0523                                                               | Golden Sand<br>0258                                                                 | Yellow Grey<br>7234<br>Ref. tone.: RAL 7034                                         | Pearl Beige<br>1235<br>Ref. tone.: RAL 1035                                          | Beach Gold<br>0272                                                                   |
|   |   |   |   |  |
| Concrete Grey<br>0265                                                              | Beige Grey<br>0267                                                                  | Bronze<br>0276                                                                      | Brown Quartz<br>0529                                                                 | Dark Brown<br>0270                                                                   |
|  |  |  |  |                                                                                      |
| Grey Aluminium<br>9007                                                             | Anthracite<br>0346                                                                  | Umbra Grey<br>7222<br>Ref. tone.: RAL 7022                                          | Volcanic<br>0336                                                                     |                                                                                      |

## Colour category 2: TREND

|                                                                                    |                                                                                     |                                                                                     |                                                                                      |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|  |  |  |  |
| Pastel Green<br>6219<br>Ref. tone.: RAL 6019                                       | Reseda Green<br>6211<br>Ref. tone.: RAL 6011                                        | Cement Grey<br>7233<br>Ref. tone.: RAL 7033                                         | Olive Green<br>6203<br>Ref. tone.: RAL 6003                                          |
|  |  |  |                                                                                      |
| Terracotta Faded<br>0299                                                           | Terracotta<br>0292                                                                  | Ruby Red<br>RAL 3003                                                                |                                                                                      |

Surcharge for colour category 2: 146,76 €

Unlike to the colour standard (here RAL tone) the Zehnder no. also includes the features matt respectively glossy. Therefore the RAL standard and Zehnder no. differ in many colours. Please note that the prices always relate to the given finishes matt or glossy, deviating finishes will be calculated like colours outside of the colour cart. These colours are finished with a gloss finish; all other colours are matt-finished.

Other special finishes in the RAL, RAL-D, NCS-S, Sanitary, DB colour systems are available as required, surcharges on request.

# Cool colours

## Colour category 1: CORE

|                             |                            |                                                      |                                                  |                                    |
|-----------------------------|----------------------------|------------------------------------------------------|--------------------------------------------------|------------------------------------|
|                             |                            |                                                      |                                                  |                                    |
| <b>White Matt</b><br>0556   | <b>Light Beige</b><br>0253 | <b>Light Grey</b><br>0262                            | <b>White Aluminium</b><br>9006                   | <b>Light Jeans</b><br>0264         |
|                             |                            |                                                      |                                                  |                                    |
| <b>Titane</b><br>0335       | <b>Inox Look</b><br>0332   | <b>Telegrey 2</b><br>7246<br>Ref. tone.: RAL 7046    | <b>Blue Grey</b><br>7231<br>Ref. tone.: RAL 7031 | <b>Anthracite Grey</b><br>RAL 7016 |
|                             |                            |                                                      |                                                  |                                    |
| <b>Black Quartz</b><br>0550 | <b>Black Matt</b><br>0557  | <b>Traffic Black</b><br>9217<br>Ref. tone.: RAL 9017 | <b>Jet Black</b><br>RAL 9005                     |                                    |

## Colour category 2: TREND

|                                                    |                                                    |                                                     |                                                      |                           |
|----------------------------------------------------|----------------------------------------------------|-----------------------------------------------------|------------------------------------------------------|---------------------------|
|                                                    |                                                    |                                                     |                                                      |                           |
| <b>Pastel Blue</b><br>5224<br>Ref. tone.: RAL 5024 | <b>Pigeon Blue</b><br>5214<br>Ref. tone.: RAL 5014 | <b>Gentian Blue</b><br>5210<br>Ref. tone.: RAL 5010 | <b>Sapphire Blue</b><br>5203<br>Ref. tone.: RAL 5003 | <b>Blue Night</b><br>0289 |

Surcharge for colour category 2: 146,76 €

## FINISHES

|                                   |                                 |                                        |                                  |                                                  |
|-----------------------------------|---------------------------------|----------------------------------------|----------------------------------|--------------------------------------------------|
|                                   |                                 |                                        |                                  |                                                  |
| <b>Technoline (Clear)</b><br>0325 | <b>Chrome (Surface)</b><br>0008 | <b>Stainless steel brushed</b><br>9517 | <b>Traffic White</b><br>RAL 9016 | <b>Colour name</b><br>Zehnder-Nr.<br>Colour norm |

These colours are finished with a gloss finish; all other colours are matt-finished.

Some colours and finishes are only available for selected products. RAL-codes are descriptions of manufacturer. Special colour shades on request. Despite extreme care in the production of this color chart as well as in the painting process of our radiators, slight colour deviations, depending on the production series and compared to other colour carriers (ceramic, paper, metal ...) possible.

