

zehnoone zeh

Always the best climate for

# INDIVIDUAL LIFESTYLE

Decorative radiators for bathrooms and living rooms



The brand with the best indoor climate solutions.

#### FOUR COMPLEMENTARY PRODUCT LINES

The broad and clearly structured portfolio from the Zehnder Group is split into four product lines.

Consequently, we can provide the right product, the perfect system and the matching service for all types of projects – from new builds to renovations, single- or multiplefamily homes, as well as commercial projects. This variety ensures that our wealth of experience is continuously expanding, providing tangible added value to our customers on a daily basis.



#### **Decorative radiators**

Our individual decorative radiators for living and bathrooms not only make a home warmer but also more attractive. Created by renowned designers, they impress with excellent functionality.

#### **NUMBERS THAT SPEAK FOR THEMSELVES**

MANUFACTURER OF THE

1ST

STEEL RADIATOR IN THE WORLD

121

YEARS OF INNOVATIVE TRADITION

AROUND

**3,000**EMPLOYEES

FOUNDED IN

1895

REPRESENTED IN

1,800,000

TONNES OF CO2 SAVED SINCE 2005

#### **BRANDS THAT OFFER VARIETY**



COUNTRIES

The Zehnder brand offers excellent indoor climate solutions within the sectors of decorative radiators, clean air solutions, comfortable indoor ventilation and heating and cooling ceiling systems.



The Runtal brand develops and manufactures exclusive radiators combining innovative technologies with unique designs.



#### Comfortable indoor ventilation

Our comfortable indoor ventilation is energy-efficient and provides a healthy indoor climate. It promotes the well-being of the occupants and increases the value of the property.



#### Heating and cooling ceiling systems

Zehnder heating and cooling ceiling systems are convenient and energy-efficient for heating and cooling. They are perfectly attuned to the relevant environment.



#### Clean air solutions

Clean air solutions from Zehnder reduce the level of dust in the air, create a healthier working climate and reduce the amount of cleaning required.

#### **BEST CLIMATE IN THE WORLD**



#### **CERTIFICATES**

The Zehnder Group has a long-standing tradition and extensive specialist knowledge in the field of design, which has been acknowledged by numerous awards.





# At Zehnder, heat is everything.

We all rely on heat to live, from the warmth of our mothers' wombs to the cosy feel of a well-heated home: heat gives life and makes us feel secure. We are passionate about heat. Since our company was founded more than 100 years ago, heat has been inspiring us to achieve innovations in radiator technology time and time again. These innovations have become the industry standard – you only have to think of our tubular radiators or towel radiators, for example.

Yet just as heat is about much more than measurements in Celsius and Fahrenheit, so radiators are about much more than just technology. For Zehnder, they are also decorative pieces which should integrate seamlessly into different living and furnishing styles – something that should be part of everyone's lifestyle.

Zehnder products and systems can provide you with the ideal solutions for a comfortable, healthy and energy-efficient indoor climate.

## **DECORATIVE RADIATORS** for bathrooms

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## **DECORATIVE RADIATORS** for living rooms and other areas of the home

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#### LOW TEMPERATURE RADIATORS

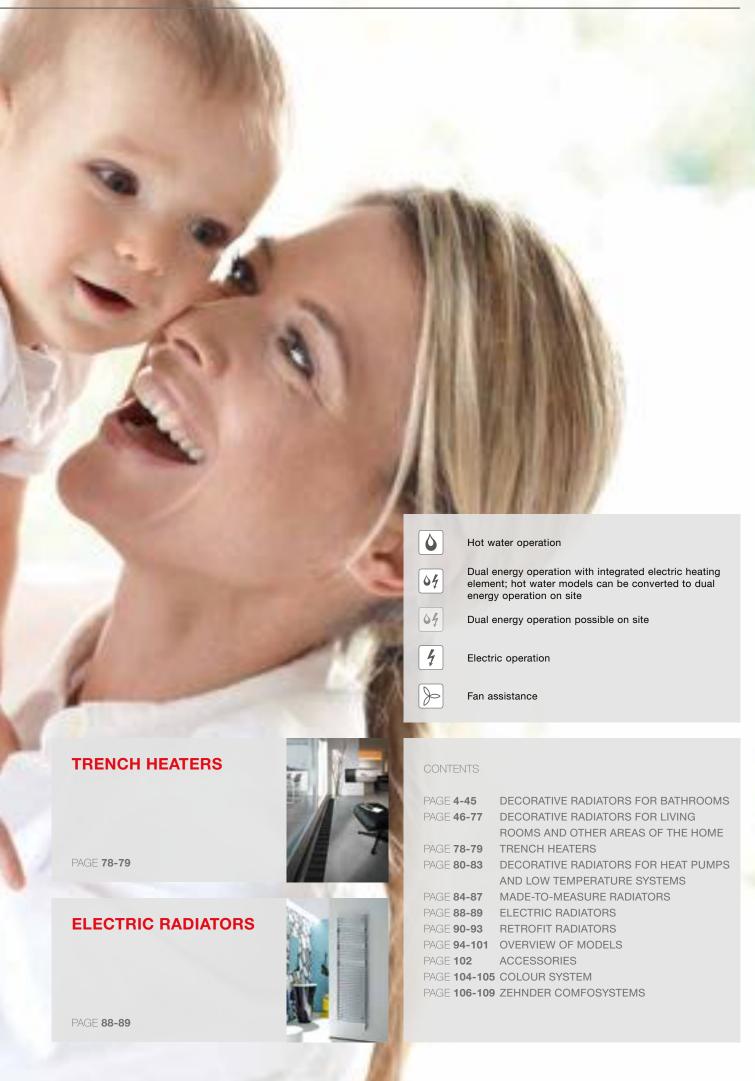




#### MADE-TO-MEASURE radiators

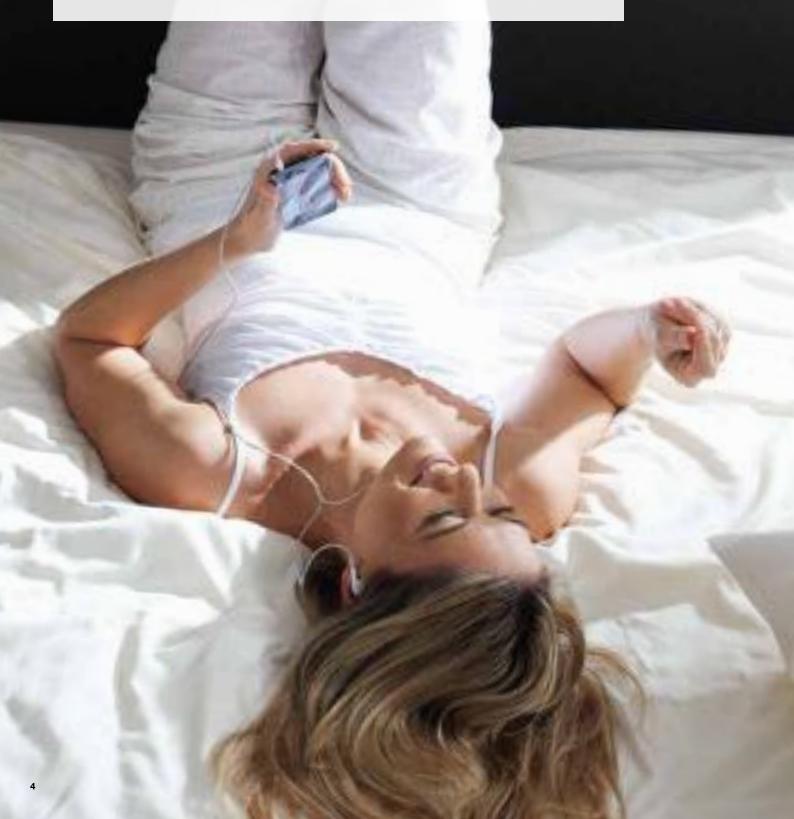
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#### Decorative radiators for bathrooms

Heat at its most attractive. Decorative radiators from Zehnder make a home warmer and enhance its aesthetics. This is hardly surprising, as they are the work of well-known designers. Performance is of course also a key factor. Owing to Zehnder's ability to combine style and functionality, you can be absolutely sure that our radiators will be up to the mark in your bathrooms, kitchens and cloakrooms, as well as in those areas of the home dedicated to exercise or hobbies.



#### Zehnder Yucca

Zehnder Yucca, the original palminspired design. Accessible from both sides, the symmetrical arrangement of the round tubes is ideal for hanging towels, bathrobes and other items of clothing. This radiator features a small depth and sophisticated appearance. Available in almost any colour and finish from the Zehnder colour chart.



## Zehnder Yucca Asym

The best quality in both design and function. With its vertical tubes, which can be positioned left or right,
Zehnder Yucca Asym creates a relaxed bathroom environment. Large towels can be conveniently hung from one side. The decorative radiator is also suitable as a room divider.
Available in almost any colour and finish from the Zehnder colour chart.



A cover plate to conceal the connections is available as an optional extra.



Dual energy operation: run either as part of the central heating system or as an electric radiator, dependent upon the time of year.



Electric radiator version.





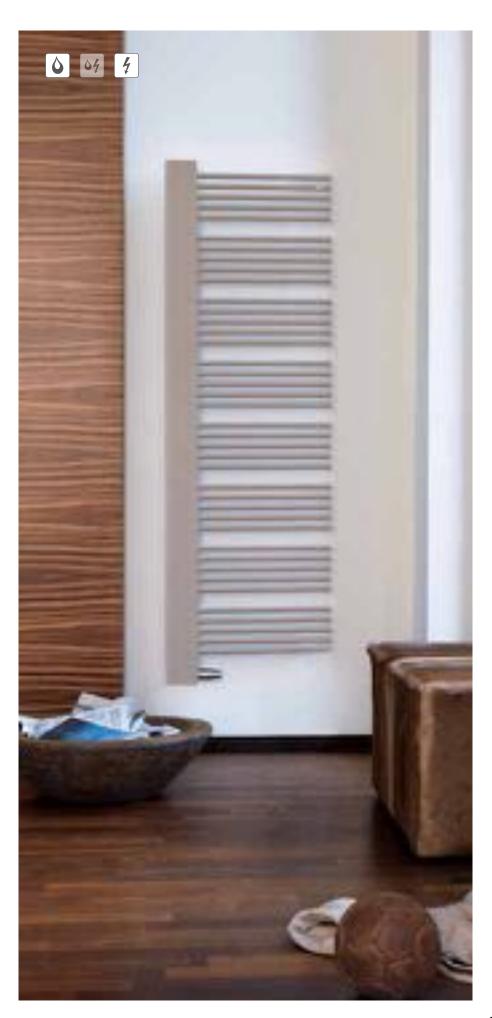
## Zehnder Yucca Asym

Imposing appearance, consistent performance. Zehnder Yucca Asym is available in chrome and many other surface finishes and colours and even looks good as a room divider. Furthermore, its design is ideal for drying textiles and towels.



#### Zehnder Yucca Cover

Zehnder Yucca Cover, classic in terms of beauty and design and providing even more comfort. The tube pack comprises five horizontal tubes and ensures a perfect experience of warmth and is very convenient for hanging up towels. Available in almost any colour and finish from the Zehnder colour chart. With an elegant cover, also in stainless steel.



#### Zehnder Yucca Mirror

Bold, linear and striking: Zehnder Yucca Mirror dazzles with its built-in mirror. Towels can be conveniently hung up and heated. Also available with tubes located on the left- or right-hand side. Available in almost any colour and finish from the Zehnder colour chart.





Comfort fittings in chrome.

#### Zehnder Yucca Star

Zehnder Yucca Star transforms large and small bathrooms into oases of warmth. The transparent decorative radiator can be mounted to the wall or installed as a room divider. Towels are conveniently and simply hung from the side. Available in almost any colour and finish from the Zehnder colour chart.



#### Zehnder Vitalo Bar

Rectangle and circle: geometry can be so beautiful. Beautifully simple and energy-efficient. Zehnder Vitalo Bar proves the point. Top-quality surfaces make a maximum statement in a minimalist setting. Available in almost any colour and finish from the Zehnder colour chart. Also in natural anodised aluminium. One or two towel rails, depending on the height, ensure you have beautifully warm hand and bath towels.



Simple accommodation of towels: the chrome towel rail is open on the left-hand side.



Concealed technology with Zehnder EasyFit connection box for hot water central heating.





## Zehnder Vitalo Spa

Inspired by nature. Zehnder Vitalo Spa sets standards – through its organic shape, innovative technology and energy efficiency. One or two cutouts, depending on the height, help to heat both hand and bath towels. Beautiful and practical all at once. Available in almost any colour and finish from the Zehnder colour chart. Also in natural anodised aluminium.



The striking profile gives the radiator its distinctive look.



Cut-out to heat towels.









#### Zehnder Fina Bar

A new level of purism: with its flat, minimalist design, Zehnder Fina Bar blends into any modern bathroom. Available in almost any colour and finish from the Zehnder colour chart. The radiant heat from the large heating surface provides comfortable warmth in no time. The design is complemented by the linear towel rail, which keeps towels beautifully warm at all times.



Practical accessory: one or more towel rails for drying and warming.



The side covers extend to the wall.



The flexible Zehnder EasyTube connections are ideal for refurbishments too.





#### Zehnder Universal

The classic and flexible bathroom radiator – Zehnder Universal. This radiator impresses with its different sizes and a small clearance to the wall. Special solutions offer the radiator as a room divider or trapezoidal for bathrooms built under the roof in the house eaves. Available in almost any colour and finish from the Zehnder colour chart. With connections to match whatever the task, Zehnder Universal is a perfect retrofit radiator.





Zehnder Universal in double-layer version.



## Zehnder Charleston Bar

The immense power of Zehnder Charleston Bar even heats large bathrooms to a comfortable temperature. Large and small towels as well. Due to the custommountable towel rail, they are always warm and within arm's reach. Available in almost any colour and finish from the Zehnder colour chart.



#### Zehnder Charleston Mirror

Slim, vertical round tubes, a mirror and an optional shelf: Zehnder Charleston Mirror provides what sophisticated customers want, plus a little bit extra. Classic, elegant design, functionality and innovative additional uses. Available in almost any colour and finish from the Zehnder colour chart.





The optional compartment is a practical storage point for all manner of small items.

## Zehnder Roda Spa Asym

Zehnder Roda Spa Asym means design and comfort for your bathroom. Delightful looks and practical asymmetric arrangement of its flat tubes, which allow for towels to be conveniently hung from the side. Available in almost any colour and finish from the Zehnder colour chart.





Easy-to-use remote control.

## Zehnder Roda Twist Spa Air

Bathroom radiators are increasingly sophisticated. Zehnder Roda Twist Spa Air is proof: its body can be pivoted through 180°, making it easier to hang towels. The built-in powerful heating fan heats up a bathroom even faster. Available in almost any colour and finish from the Zehnder colour chart.



Pivoting flat heating tubes.



Powerful built-in heating fan.



Easy-to-use remote control.



## Zehnder Metropolitan

As elegant as it is refined: Zehnder Metropolitan. The innovative, flat radiator tapers back toward the wall, making it look extraordinarily light. Zehnder Metropolitan suits every setting and every style. Available in different sizes and versions and in almost any colour and finish from the Zehnder colour chart.





Available with additional towel hook on request.



#### Zehnder Metropolitan Bar

Functionality combined with ethereal design for the bathroom: Zehnder Metropolitan Bar makes a strong impression. The light and seemingly airy heating tubes in a flat design maximise radiant heat. They are radiator and towel rail in one. Available in almost any colour and finish from the Zehnder colour chart.



Horizontal version. Also suitable for small bathrooms or installation under windows.



With towel rail for easy towel storage.



## Zehnder Metropolitan Spa

The innovative design of Zehnder Metropolitan Spa makes the bathroom that much nicer and more pleasant to be in. Ample cut-outs in this version offer plenty of space for large towels. Available in almost any colour and finish from the Zehnder colour chart.



Easy-to-use remote control.



Light airy look provided by distinctive triangular profile.



#### Zehnder Quaro

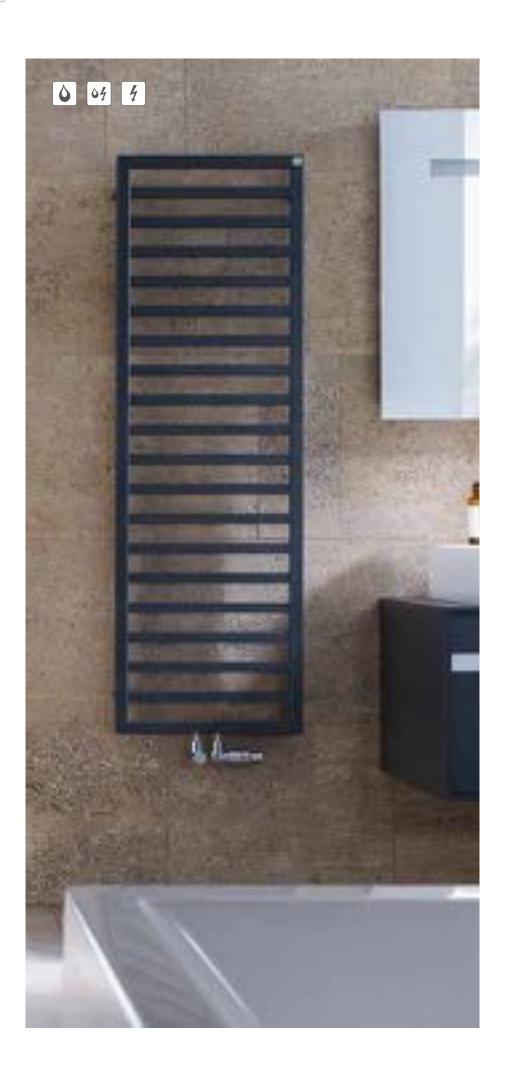
Distinct shapes, strong, subtle design. The square design of Zehnder Quaro does not intrude but rather complements its surroundings. It is a perfect fit for any modern bathroom. Available in almost any colour and finish from the Zehnder colour chart. Timeless design through a geometric shape, which also makes for an impressive room divider.



To suit every bathroom: available in many vibrant gloss or matt colours and surface finishes, as well as in chrome and stainless steel.



The large spacing between the heating tubes allows hand towels and other textile items to be hung up with ease.





## Zehnder Subway

Purism for walls: the pure design of Zehnder Subway is simple pleasure. The radiator impresses with a clear design aesthetic that refuses to compromise. Its distinctive square frame and delicate round tubes combine to create a designer piece that also doubles as a multiple towel rail. Available in almost any colour and finish from the Zehnder colour chart.



Zehnder Subway puristic design as stainless steel version and resistant to corrosion.



Easy-to-use remote control.



Harmony of form: the purely electric version with electric heating element.



Also available in small dimensions: ideal for guest bathrooms.









### Zehnder Janda Bow

Good looks can be so practical with Zehnder Janda Bow. The elegant curve and generous tube spacing is suited for hanging towels and clothes. Ideal for the bathroom, kitchen or gym. The tube spacing offers a variety of uses. Available in almost any colour and finish from the Zehnder colour chart.



# Zehnder Forma Spa

A pleasant heat and a relaxed look for your bathroom through tube-on-tube construction. Generous clearance to the wall in the single-layer model creates space for hanging large, fluffy towels. That is Zehnder Forma Spa. Available in almost any colour and finish from the Zehnder colour chart.



Zehnder Forma Spa double-layer boosts heat output still further.

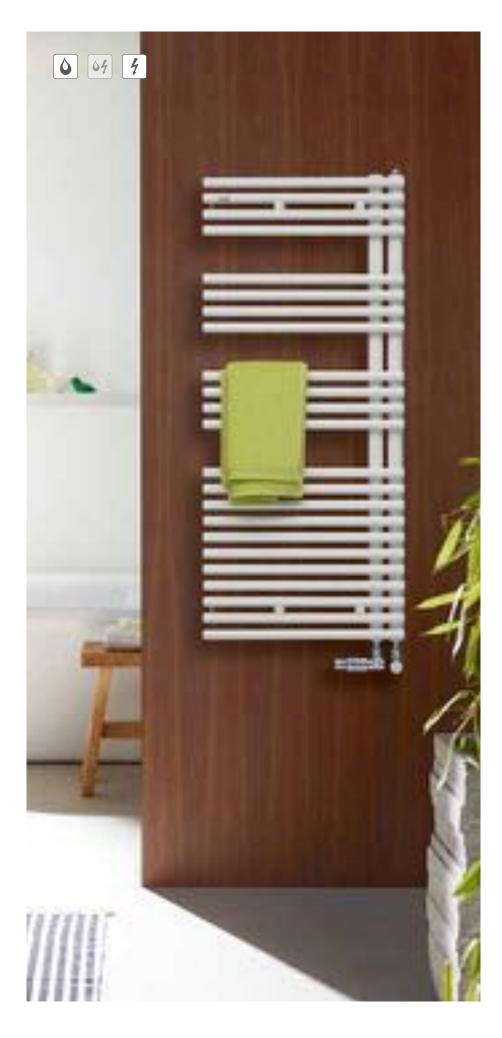


Available as stainless steel version and resistant to corrosion.



# Zehnder Forma Asym

A pleasant heat and a relaxed look for your bathroom. The vertical tubes positioned on the right or left of Zehnder Forma Asym allow you to conveniently slide in towels from one side. Available in almost any colour and finish from the Zehnder colour chart.





Zehnder Forma Asym is also available as a purely electric radiator.

### Zehnder Klaro

Zehnder Klaro makes a strong impression through its look and functionality. And the reason is its sophisticated tube design and variable wall clearance. The radiator is ideal for heating towels. Available in almost any colour and finish from the Zehnder colour chart.



# Zehnder Toga

Always in the right place. No matter whether bathroom, kitchen or gym, Zehnder Toga delivers top performance everywhere. Through perfect dimensions, seamless design with D-profile header tubes and numerous special solutions. Available in almost any colour and finish from the Zehnder colour chart.



### Zehnder Nobis

Zehnder Nobis and its high quality chrome finished tubes bring a special look to every bathroom. The large spacing between the tubes combines distinctive character with functionality. Several towels can be heated at the same time.



#### Zehnder Stalox

Pure and practical. Classic and generous. This is Zehnder Stalox resistant to corrosion, made of high-quality, untreated stainless steel or painted white. The horizontal round tubes offer a lot of space for conveniently hanging towels.



#### Zehnder Cornwall

Clear design and clear advantages. Transparent look and high-quality chrome finish. Zehnder Cornwall is a real eye-catcher for every bathroom. The radiator also performs perfectly as a heated towel rail.



#### Zehnder Aura

Large tube spacing and straight lines. Every detail of Zehnder Aura is perfectly designed with modern bathrooms in mind. The decorative radiator for hot water central heating is available in white and with a high-quality chrome finish.



#### Zehnder Aura Bow

Large tube spacing and curved lines. Every detail of Zehnder Aura is perfectly designed with modern bathrooms in mind. The decorative radiator for hot water central heating is available in white and with a high-quality chrome finish.



#### Zehnder Zeno

Timeless design in a class of its own. Zehnder Zeno meets all requirements when it comes to shape and functionality. Due to the horizontally arranged round tubes and the vertical header tubes with square profile. Available in white.



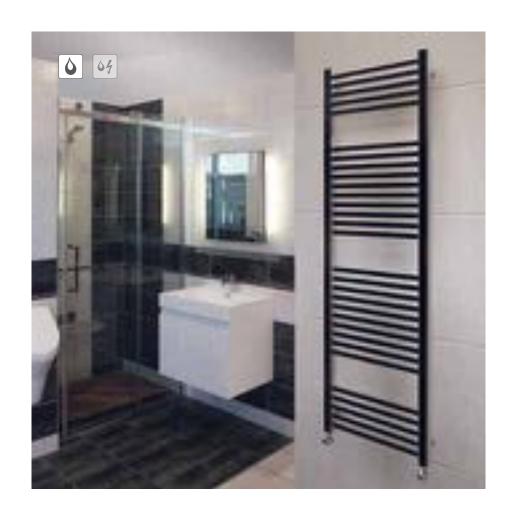
#### Zehnder Zeno Bow

Horizontally arranged round tubes and vertical header tubes with square profile. In the Zehnder Zeno Bow, design follows function. The large wall clearance and curved shape offer room for conveniently hanging towels from the radiator. Available in white.



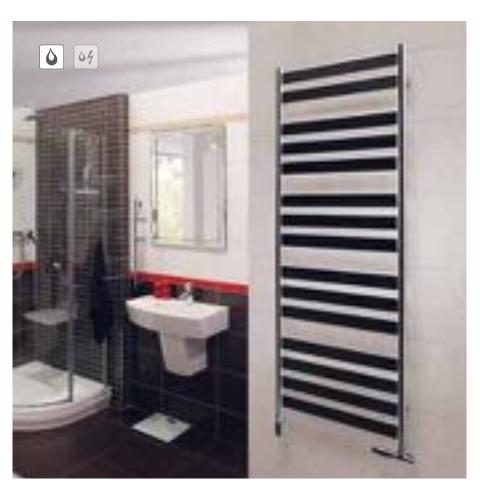
# Zehnder Impa

Zehnder Impa stands out because of its subtle elegance and practical functionality. The geometric design with the square tube elements is a perfect fit for any bathroom. The generous clearance between the sets of tubes makes hanging and warming towels easy. The radiator is available in white and with a high-quality chrome finish.



#### Zehnder Zeta

Subtle elegance and clear lines. With the flat design of its horizontal tube elements, 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 high-quality chrome finish.





#### Zehnder Charleston

The original tubular radiator is an efficient all-rounder that inspires through form, function and comfort. The element construction gives Zehnder Charleston its transparent appearance and timeless elegance. The tubular radiator provides comfortable radiant heat and transforms the living space into an oasis of relaxation. Zehnder Charleston has an extended range of models. Available in almost any colour and finish from the Zehnder colour chart.



With the Completto version, the built-in thermostatic valve can be factory-set prior to delivery on request.



Electric radiator version.



### Zehnder Charleston

Invented in 1930 as the first tubular radiator, Zehnder Charleston is today not only a design classic but also a flexible solution for any room size and architectural situation.





# Zehnder Charleston

The versatile connection options supported by Zehnder Charleston facilitate installation on new and existing pipework, as shown here in the centre of the radiator.





### Zehnder Charleston Clinic

There are rooms where cleanliness and hygiene are high priorities, such as hospitals and doctors' surgeries, for example. Zehnder Charleston Clinic is there to help. Ample clearance between the individual elements of the radiator ensures cleaning is a simple process. The Zehnder EasyFix fixing system for simple and anti-lift assembly ensures easy installation. Available in almost any colour and finish from the Zehnder colour chart.



TopCare, the antimicrobial hygienic surface finish for Zehnder Charleston.

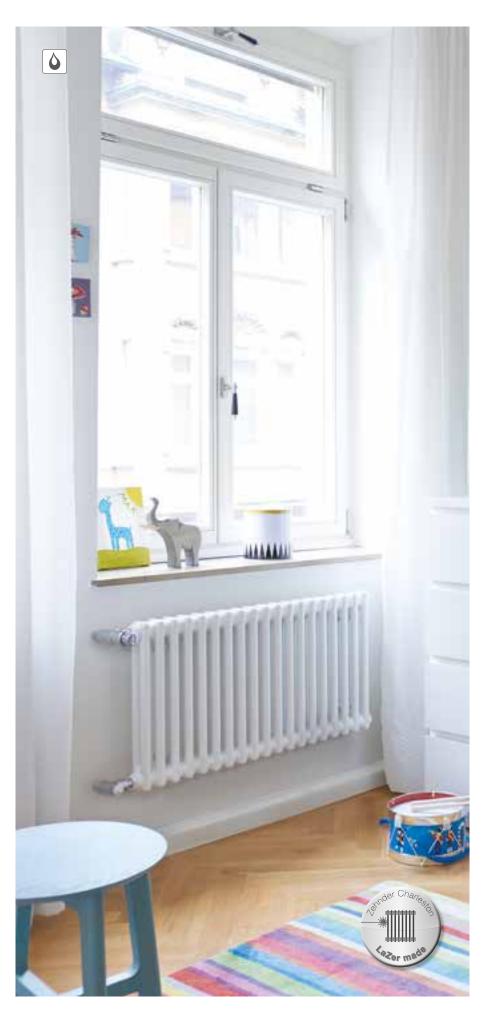


The generous clearance between the individual elements makes cleaning easy.



### Zehnder Charleston Retrofit

The original tubular radiator, specifically for renovations. The element construction gives Zehnder Charleston Retrofit its transparent appearance and timeless elegance. The tubular radiator provides comfortable radiant heat and transforms the living space into an oasis of relaxation. The Zehnder Charleston Retrofit models make installation easy, especially for renovation projects: retrofit models are available for existing connections. Available in almost any colour and finish from the Zehnder colour chart.



#### Zehnder Excelsior

Zehnder Excelsior helps turn individual interior design concepts into reality. The classic and elegant flat tubes appear light and transparent. The radiator can be installed on the wall or used as a room divider. Available in many colours and finishes from the Zehnder colour chart, also made to measure as a bespoke version. Zehnder Excelsior combines home comforts and warmth.



### Zehnder Excelsior

Here is Zehnder Excelsior providing cosy warmth in a bedroom. The clean and restrained design of the radiator provides the perfect complement to the design of the room. It also creates a transparent and lightweight impression when used as a room divider.





### Zehnder Kleo

Zehnder Kleo is sophisticated and functional. Its elegant, open and transparent construction is supported by high performance and a lot more: retrofit models are available for existing pipework. Special solutions are also readily available. Zehnder Kleo is also available as a room divider. Available in almost any colour and finish from the Zehnder colour chart.



# Zehnder Kleo

The delicate Zehnder Kleo with horizontal lines. Attractive alternatives: the free-standing version or serving as a room divider.





### Zehnder Roda

Ideal for entrance halls, kitchens and bathrooms. Zehnder Roda takes up hardly any room. Actually it creates space! Useful accessories, such as hooks and towel rails, make the Zehnder Roda radiator even more practical. Available in all colours and finishes from the Zehnder colour chart.





Zehnder Roda is also available as a purely electric radiator.



# Zehnder Roda Compact

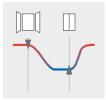
Modern, efficient and powerful:
Zehnder Roda Compact. Modern
design with characteristic horizontal
flat tubes, integrated valve, grille and
various connection options. Zehnder
Roda Compact is particularly powerful
due to the double-layer flat and
header tubes as well as its fins. Its low
water content also means the radiator
is exceptionally responsive. Available
in six different heights, in almost any
colour from the Zehnder colour chart.



### Zehnder Alura

This fast response electric aluminium radiator has a high output in relation to its size. Its weight and size makes this radiator easy to install, and the straightforward controls make it easy and economical to use. Brackets included. Available in almost any colour and finish from the Zehnder colour chart.



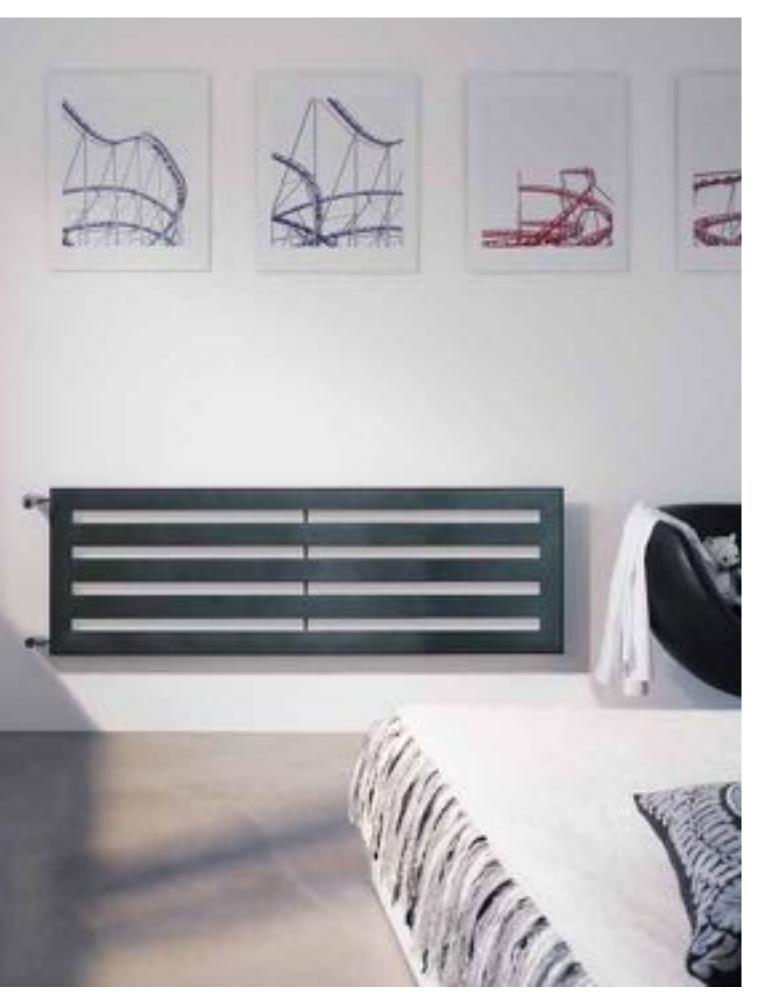


Open window detection: radiator automatically switches off if a window is open for an extended period.

# Zehnder Metropolitan

As elegant as it is refined: Zehnder Metropolitan. The innovative, flat radiator tapers back toward the wall, making it look extraordinarily light. Zehnder Metropolitan suits every setting and every style. Available in different sizes and versions and in almost any colour and finish from the Zehnder colour chart.









### Zehnder Nova

Whether your requirement is for traditional, contemporary or cuttingedge, Zehnder Nova, with its range of made-to-measure models, will satisfy your requirement. Its slim depth and modern look make Zehnder Nova a versatile choice. The radiator always offers the right solution and is available in numerous colours and finishes from the Zehnder colour chart.

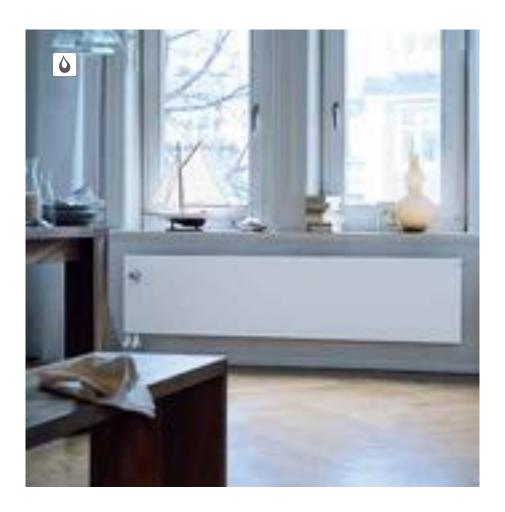




# Zehnder Radiapanel

The Zehnder Radiapanel panel radiator with closed body is available in a wide range of models. A variety of shapes and sizes offer individual solutions for every application.

Available in almost any colour and finish from the Zehnder colour chart. Heat output can be boosted even further with convector fin models. Special solutions are also readily available.





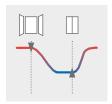
### Zehnder Plano

Good design focuses on the essential. A well-designed radiator does too. It focuses on heat and comfort. Just like Zehnder Plano does. It is a thick-walled and robust radiator with a flat surface that provides an impressive output. Available in almost any colour and finish from the Zehnder colour chart.



#### Zehnder Fare Tech

Zehnder Fare Tech is an electric radiator that combines aesthetics and intelligence through an elegantly curved shape and seamless integration of the control panel. Its heating programs make efficient heating a simple matter. Available in almost any colour and finish from the Zehnder colour chart.

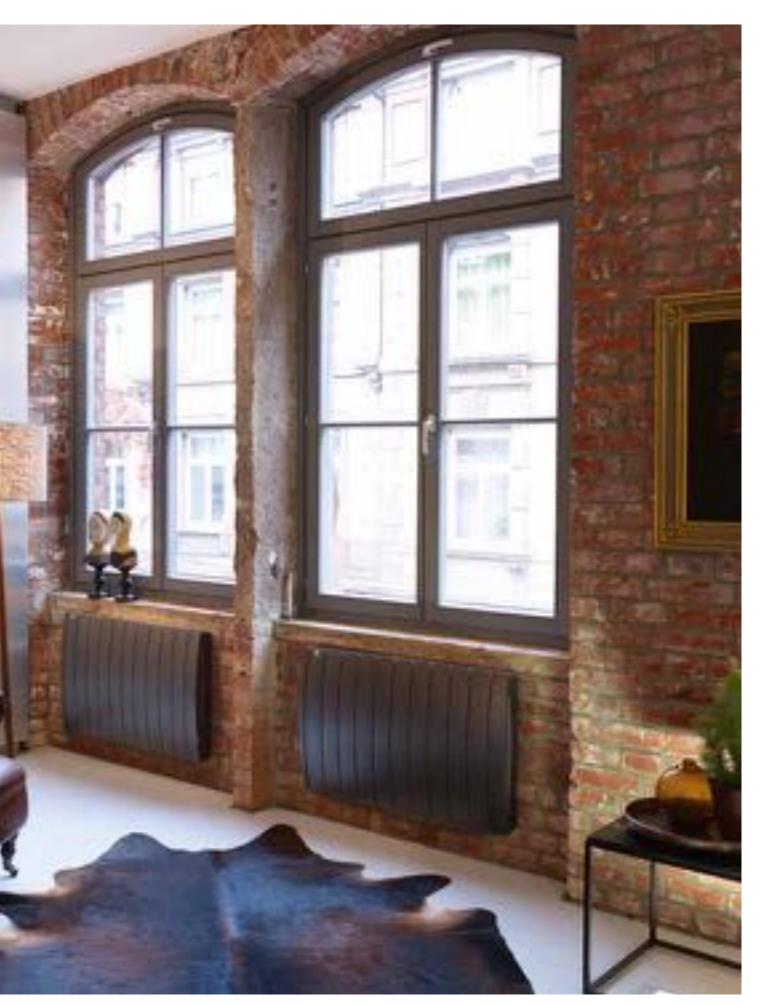


Open window detection: radiator automatically switches off if a window is open for an extended period.



The intelligent control with three pre-installed heating programs and energy consumption indicator





## Zehnder Radiator Bench

Whether for a living room, entrance hall or hallway, if you like a relaxed and comfortable atmosphere, you will love Zehnder Radiator Bench. The perfect combination of bench and radiator. The bench can be selected on site. Additionally, different Zehnder surface finishes are available which have one thing in common: classic elegance. The radiator is available in almost any colour and finish from the Zehnder colour chart.



## Zehnder Charleston Bench

Zehnder Charleston Bench is suitable for a variety of environments and purposes through its combination of bench, storage option and radiator. In both private and public rooms.

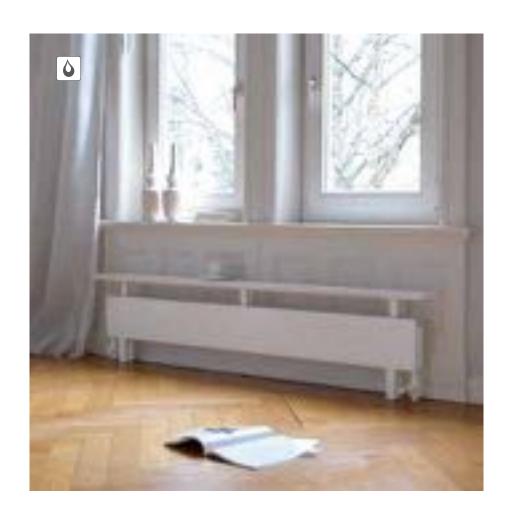
Because every place and requirement is different, this model offers a wide range of ways to combine bench, storage option and radiator.

Customers can decide themselves which version is best. Available in almost any colour and finish from the Zehnder colour chart.



## Zehnder Radiavector Pose

Zehnder Radiavector Pose. The name is synonymous with versatility and compact heat output. This multifaceted item is a radiator, shelf and designer piece all in one. The multipurpose shelf can be chosen on site and is available from Zehnder in many different finishes. The radiator is available in almost any colour and finish from the Zehnder colour chart. Corner and other special solutions can be adapted based on the requirements of different rooms and needs.



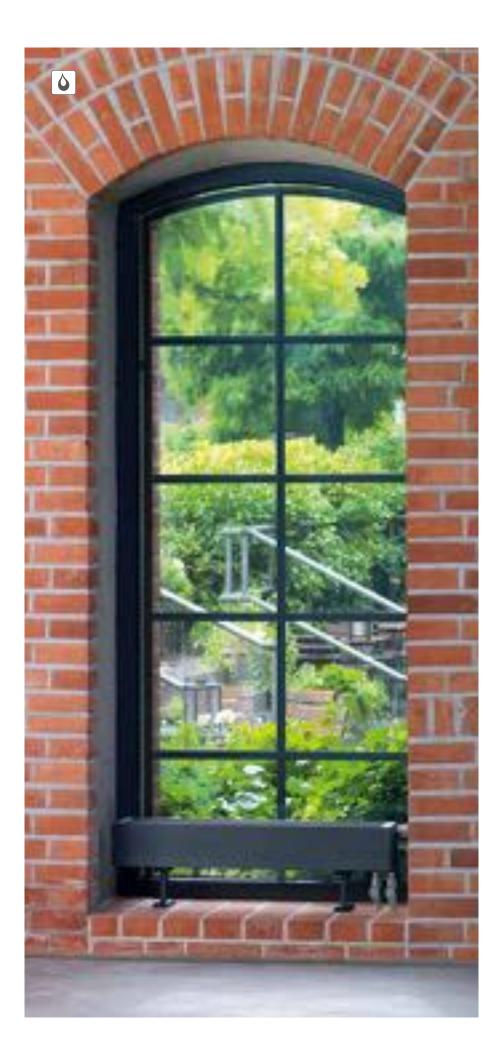
## Zehnder Radiavector Bench

Zehnder Radiavector Bench offers compact thermal output and an ideal addition to a living room or gym. The radiator combines compact heat output with comfort and style. The bench is an ideal place to rest and relax. It can be chosen by the customer on site or is available from Zehnder in several different Werzalit® finishes. Solutions for corner application and special solutions are readily available. Available in almost any colour and finish from the Zehnder colour chart.



## Zehnder Radiavector

Compact, powerful and simple.
Because of its high heat output, the
Zehnder Radiavector convector is
ideal in window bays or
conservatories. Its low height also
makes it an aesthetic choice. Corner
and special solutions are readily
available. Available in almost any
colour and finish from the Zehnder
colour chart.







Available with grille (top) or cover strip as optional extras.



## Zehnder Stratos

Demonstrating extremely high heat output, Zehnder Stratos excels where space is at a premium. The understated design and low height make the radiator ideal for floor to ceiling windows and glass fronts, offering a clear view. Available in almost any colour and finish from the Zehnder colour chart.



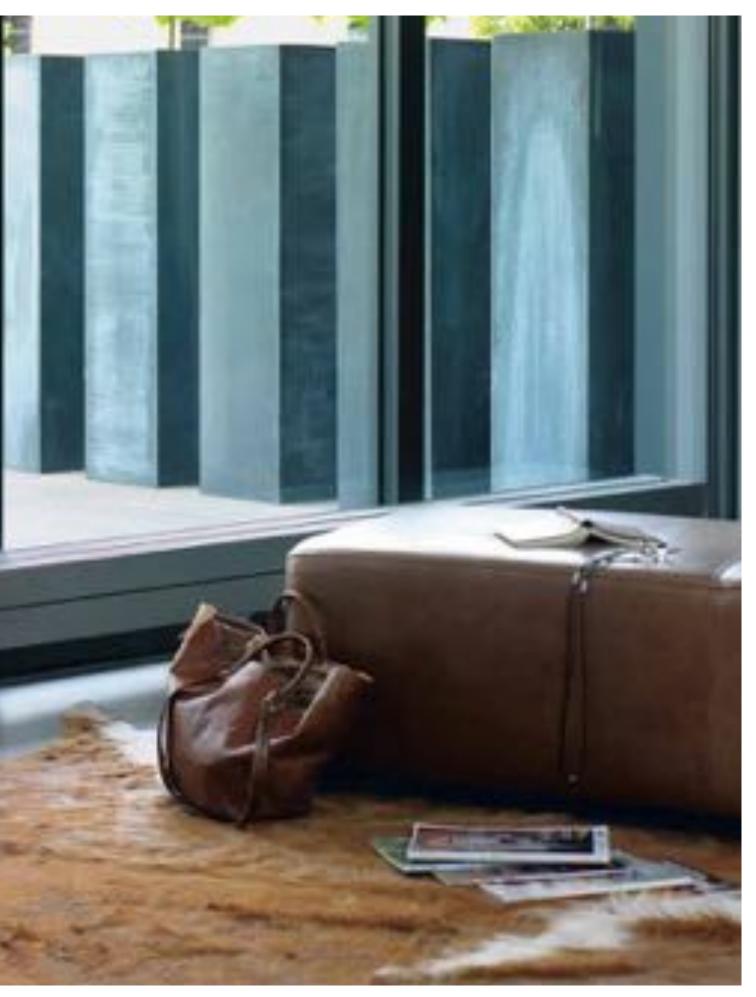
A cover for the fins is available as an optional extra.





Fixing system for wall or floor mounting.





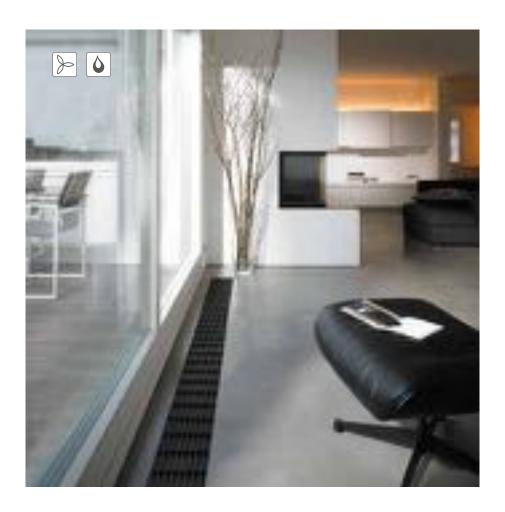


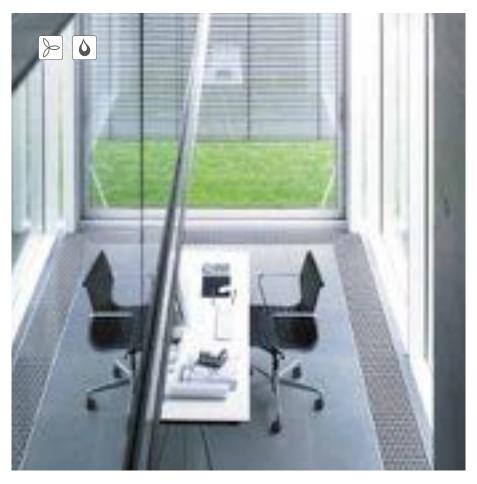
### Trench heaters

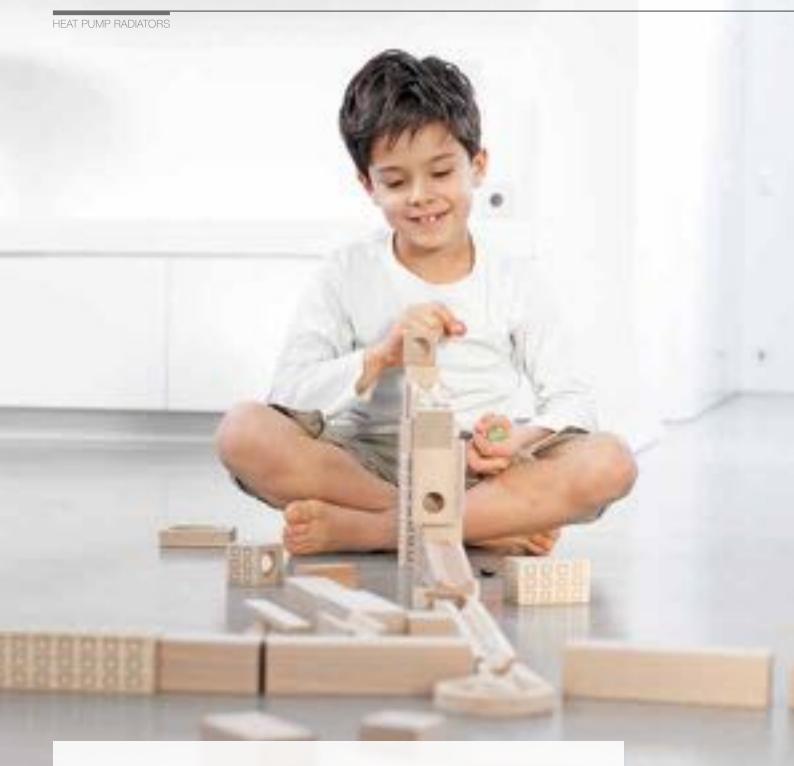
The perfect climate: you can feel it but not see it. Easy to install and virtually invisible after installation, the heaters will fit into your architectural plans with no need for compromise. Zehnder trench heaters make use of physical principles, particularly those which counteract the cold air that falls down large glazed areas. As such, they are ideal for combining with other heat output systems to ensure increased heat supply for short periods.

## Zehnder Terraline

Zehnder Terraline offers an elegant alternative wherever free-standing radiators should be avoided for reasons of aesthetics. All that is visible is the elegant frame, complete with integrated designer grille. And its power is noticeable. Zehnder Terraline utilises the rising warm air to create pleasant, natural warmth. The trench heater is ideal for use where there are large areas of full height glazing.





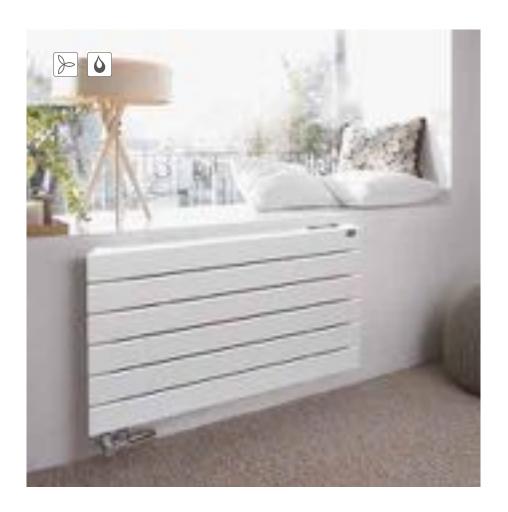


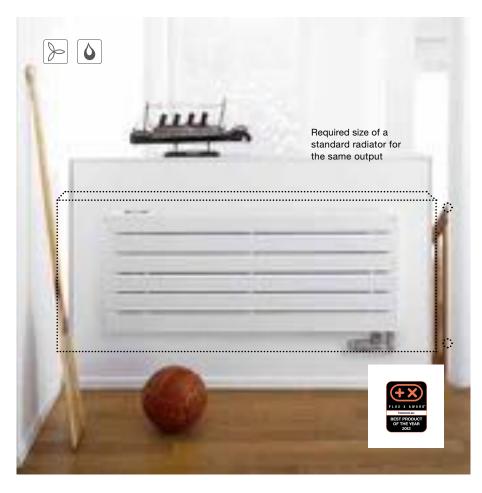
# Decorative radiators for heat pump and low temperature systems

NEO stands for "New Energies Optimised": small yet powerful fans coupled with a heat exchanger efficiently boost the heat output and quickly and efficiently bring the room to the desired temperature. One surprising feature is how the radiator produces an incredibly high output yet operates so quietly.

## Zehnder Nova Neo

An attractive radiator solution specifically for the low temperature range. Zehnder Nova Neo satisfies all requirements. Compared with underfloor heating or conventional radiators, the low temperature radiator has a considerably shorter heating-up phase when operated at the same system temperature. Zehnder Nova Neo delivers comfort and heat even faster through its built-in fans. Available in numerous colours and finishes from the Zehnder colour chart.





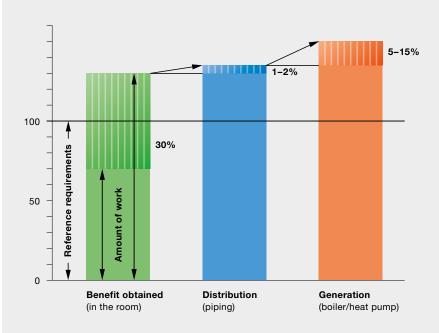
# Good for the environment and your budget

Old heating systems place strain not only on the environment, but on your wallet too. One way to reduce consumption is to undertake building work, but this often goes hand in hand with a great deal of expense, noise and dirt. Alternatively, you can replace technical components within the system without making any structural changes. The efficient transfer of energy plays a crucial role when it comes to making savings: if all the different factors present at the point of thermal transfer (such as radiators, thermostatic valves, etc.) have been optimally aligned, an energy saving of up to 30% can be made.

Low temperature radiators emit the majority of their heating energy in the form of radiant heat, thus providing a warm, cosy feeling. Perfectly matched to the heating system, they can be tailored to meet your exact needs in terms of both size and performance. And you can still use your existing connections: low temperature radiators are available as retrofit models or can be custom-made.



#### Potential energy savings



#### Factors affecting the efficient transfer of energy

- Suitable radiators
- Proportion of radiation
- Hot water temperature
- Thermostatic valves
- Room temperature
- Convection conditions
- Ventilation behaviour

Reference requirements of the system and variation range of what is involved in transferring energy efficiently, compared to what is involved in distribution and generation.

Source: Efficient transfer of energy according to Prof. a. D. Dr.-Ing. Heinz Bach (only available in German)

# Achieve a new level of efficiency with low temperature radiators

Low temperature radiators from Zehnder are a particularly efficient alternative to standard heaters: designed for low flow temperatures, they are especially economical to run. Supplied with the appropriate valves, they are also particularly suited for use with small volumes of water in the partial load range. In order to ensure the heat energy from the hot water transfers efficiently to the radiator, the radiators designed for use with condensing boilers and heat pumps feature vertical water channelling wherever possible.

- Energy-efficient
- Powerful
- Fast response
- Hygienic
- Perfectly matched to the heating system
- Available as retrofit radiators or custom-made
- In a range of models and surface finishes





Everything you need to know about heating. Is there a way of meeting extraordinary architectural requirements? Is it possible to replace radiators without having to undertake major restructuring work? Is there a cost-effective heating solution for transitional seasons? On the following pages you'll find good ideas about heating, interesting alternative options for heating and useful information about the composition of our products.

## Made-tomeasure radiators

Homes, studios, offices, banks, hospitals... buildings serve all manner of purposes, and their architecture can be just as varied. So it's good when top plans even work out for warmth: Zehnder's radiators let you realise your ideas in the form of architectural design. Supporting tailored solutions, Zehnder Charleston can provide cosy warmth in corners.





Angled

Zehnder Kleo creates a visual yet transparent division between the kitchen and living space.





Room divider

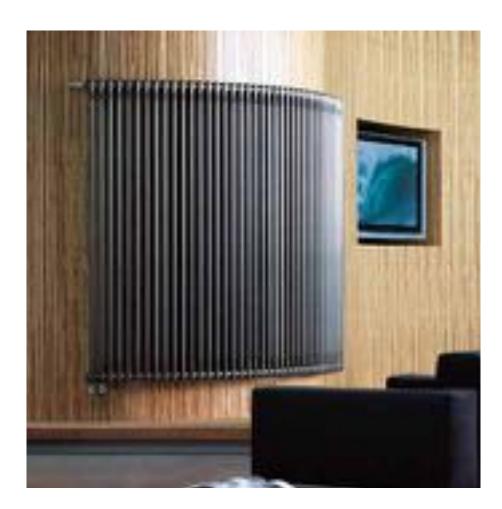
Accurately trapezoidal, Zehnder Excelsior traces the line of the staircase perfectly.





Trapezoidal

Zehnder Charleston is able to cope with the idiosyncrasies and dynamism of the architecture of a room.





Curved

Refurbishment example: Zehnder Nova with the comfort of radiant heat in an old building setting.





Angled

## Electric radiators

Even if the entire house doesn't need to be heated in spring and autumn, you don't have to go without heat in your bathroom, for example. Zehnder's electric heating system will run on a purely electrical basis or in combination with the central heating system. Virtually all bathroom radiators from Zehnder are available as electric radiators (Zehnder Universal is shown here as an example), and even a model which previously operated in conjunction with the central heating system can easily be retrofitted by installing an electric heating element. Electric radiators from Zehnder are graded by price and comfort in Premium and Economy classes.



Premium class.
Zehnder WIVAR allows you to choose between surface temperatures that can be individually regulated and a two-hour timer programme.



The BASIC RF control device enables you to regulate the room temperature manually via four preset temperature ranges.



As well as giving off heat, the Premium class Zehnder WIVAR cuts a dash, shown here with the Zehnder Universal decorative radiator.



Harmonious design tailored to Zehnder radiators creates an aesthetic accent



Plug in and enjoy the feeling with the Economy class Zehnder DBM, shown here in conjunction with the Zehnder Toga decorative radiator.



Standard version with DBM electric heating element; with WIVAR incl. BASIC RF control device on request



## Retrofit radiators

Fresh look, new living feeling: radiators are an essential factor contributing to the creation of a harmonious ambience. The disadvantages of ageing radiators are many: long response times, lack of heat output, risk of rust and limescale. Retrofitting could not be easier: Zehnder retrofit radiators are simply adapted to the existing pipework without any need whatsoever for connections to be changed or restructuring work to be undertaken and without making a mess. Precisely adapted heat output keeps operating costs low - a neat solution for the long term.



Before: Old radiator



quickly and easily replaced by a new Zehnder model which really looks the part. It looks a lot cosier too, don't

Before and after: the old radiator is

you think?

After: Zehnder Radiapanel

# Retrofit radiators for living areas

Retrofit radiators from Zehnder are available for living rooms in a wide variety of surface finishes.



Before: Old radiator



After: Zehnder Charleston Retrofit



After: Zehnder Nova



After: Zehnder Radiapanel



After: Zehnder Excelsior



After: Zehnder Kleo

# Retrofit radiators for bathrooms

Retrofit radiators from Zehnder increase comfort and lend a modern look to bathrooms too. They come in numerous vibrant gloss or matt colours and surface finishes.



After: Zehnder Charleston Retrofit



After: Zehnder Toga



Before: Old radiator

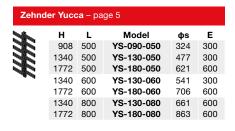


After: Zehnder Universal



After: Zehnder Zeno

## Overview of models: Decorative radiators for bathrooms



Zehnder Yucca double-layered – page 5								
3	Н	L	Model	φs	E			
	908	500	YSD-090-050	484	300			
	1340	500	YSD-130-050	717	600			
	1772	500	YSD-180-050	926	900			
	1340	600	YSD-130-060	828	600			
44	1772	600	YSD-180-060	1063	900			
	1340	800	YSD-130-080	1024	900			
	1772	800	YSD-180-080	1322	1200			

H L Model Φs E	
1304 378 <b>YA-130-040</b> 430 300	
1736 378 <b>YA-170-040</b> 571 300	
872 478 <b>YA-090-050</b> 351 300	
1304 478 <b>YA-130-050</b> 517 300	
1736 478 <b>YA-170-050</b> 686 600	
1304 578 <b>YA-130-060</b> 599 600	
1736 578 <b>YA-170-060</b> 795 600	

Zehnder Yucca Asym double-layered – page 6							
	Н	L	Model	Φs	E		
	1304	378	YAD-130-040	628	600		
	1736	378	YAD-170-040	825	600		
	872	478	YAD-090-050	529	300		
. J	1304	478	YAD-130-050	763	600		
	1736	478	YAD-170-050	1002	900		
	1304	578	YAD-130-060	893	600		
	1736	578	YAD-170-060	1173	900		

Zehnder Yucca Cover – page 9							
1	Н	L	Model	φs	Е		
	1612	582	YPR-150-60	711	600		
	1828	582	YPR-180-60	805	600		
	1612	582	YPL-150-60	711	600		
	1828	582	YPL-180-60	805	600		

Zehnder Yucca Mirror – page 10							
	Н	L	Model	Φs	E		
	1766	600	YM-180-60	755	600		

-An	н	L	Model	Φs	Е
	656	500	YAS-070-050	309	-
	1088	500	YAS-120-050	492	-
	1736	500	YAS-180-050	759	-

Zennder Vitaio Bar – page 12							
_	н	L	Model	$\phi_{\text{S}}$	E		
	1250	400	VIP-125-040	465	-		
1	1570	400	VIP-160-040	546	-		
	1890	400	VIP-190-040	673	-		
	1250	500	VIP-125-050	555	-		
~	1570	500	VIP-160-050	676	-		
	1890	500	VIP-190-050	834	-		
	1250	600	VIP-125-060	641	-		
	1570	600	VIP-160-060	806	-		
	1890	600	VIP-190-060	994	-		

Zehnder Vitalo Spa – page 14							
	н	L	Model	Φs	Е		
	1200	490	VIT-120-050	483	-		
	1500	490	VIT-150-050	605	-		
	1800	490	VIT-180-050	714	-		
$\sim$	1200	590	VIT-120-060	595	-		
	1500	590	VIT-150-060	703	-		
	1800	590	VIT-180-060	869	-		
	1800	690	VIT-180-070	1036	-		

Zehnder Fina Bar – page 18							
<b>N</b>	н	L	Model	фѕ	E		
<b>↓</b>	1300	500	FIP-130-050	735	-		
17	1500	500	FIP-150-050	833	-		
	1800	500	FIP-180-050	962	-		
	1300	600	FIP-130-060	882	-		
7	1500	600	FIP-150-060	999	-		
	1800	600	FIP-180-060	1154	-		
	1300	700	FIP-130-070	1029	-		
	1500	700	FIP-150-070	1166	-		
	1800	700	FIP-180-070	1347	-		

Zehnder Universal – page 20							
	Н	L	Model	Φs	E		
	1195	450	HU-120-045	553	300		
	1807	450	HU-180-045	831	600		
	763	500	HU-070-050	401	300		
	1195	500	HU-120-050	613	600		
	1483	500	HU-150-050	752	600		
	1807	500	HU-180-050	919	900		
•	763	600	HU-070-060	477	300		
	1195	600	HU-120-060	735	600		
	1483	600	HU-150-060	890	600		
	1807	600	HU-180-060	1093	900		
	1195	750	HU-120-075	918	600		
	1807	750	HU-180-075	1355	1200		
	1807	1000	HU-180-100	1792	1200		

Zehnder Universal double-layered – page 20							
	н	L	Model	фѕ	E		
	1195	500	HUD-120-050	992	600		
	1807	500	HUD-180-050	1420	900		
	1195	600	HUD-120-060	1191	600		
40	1807	600	HUD-180-060	1705	900		
	1195	750	HUD-120-075	1489	900		
	1807	750	HUD-180-075	2131	1200		
	1807	1000	HUD-180-100	2841	1200		

Zehnder Charleston Bar – page 22							
Time.	Н	L	Model	φs	E		
	1492	485	CPV 2150-10	1038	-		
	1792	485	CPV 2180-10	1244	-		
	1492	577	CPV 2150-12	1246	-		
	1792	577	CPV 2180-12	1493	-		
	1492	669	CPV 2150-14	1453	-		
	1792	669	CPV 2180-14	1742	-		
WW.	1492	761	CPV 2150-16	1661	-		
~46	1792	761	CPV 2180-16	1991	-		
	1500	485	CPV 3150-10	1402	-		
	1800	485	CPV 3180-10	1656	-		
	1500	577	CPV 3150-12	1683	-		
	1800	577	CPV 3180-12	1987	-		
	1500	669	CPV 3150-14	1963	-		
	1800	669	CPV 3180-14	2318	-		
	1500	761	CPV 3150-16	2243	-		
	1800	761	CPV 3180-16	2650	-		

Zehn	der Cha	rlestor	Mirror – page 2	23	
	Н	L	Model	φs	Е
	1792	577	CM 2180-12	1429	-
	1792	761	CM 2180-16	1942	-

H = Height in mm

L = Length in mm

φ<sub>S</sub> = Nominal heat output according to EN 442 (75/65/20°C)

E = Electric heat output in watts (dual energy operation)

#### Zehnder Roda Spa Asym – page 24 н Model фѕ 805 550 **ROFR-080-055** 429 1183 550 ROFR-120-055 594 1676 550 **ROFR-170-055** 809 ROFL-080-055 805 550 429 ROFL-120-055 1183 550 594 1676 550 ROFL-170-055 809

Zen	na	er Metr	opolit	an Bar – page 28		
		н	L	Model	φs	Е
		805	400	MEP-080-040	323	-
		1225	400	MEP-120-040	469	-
		1540	400	MEP-150-040	582	-
		1750	400	MEP-180-040	663	-
		805	500	MEP-080-050	387	-
		1225	500	MEP-120-050	563	-
1		1540	500	MEP-150-050	730	-
		1750	500	MEP-180-050	795	-
		805	600	MEP-080-060	449	-
		1225	600	MEP-120-060	653	-
		1540	600	MEP-150-060	871	-
		1750	600	MEP-180-060	922	-

eh	nd	er Metr	opolit	<b>an Spa</b> – page 29	)	
		н	L	Model	Φs	Е
$ rac{1}{2} $		805	400	MET-080-040	327	-
N		1225	400	MET-120-040	474	-
		1540	400	MET-150-040	582	-
3		1750	400	MET-180-040	654	-
		805	500	MET-080-050	388	-
		1225	500	MET-120-050	561	-
N		1540	500	MET-150-050	690	-
		1750	500	MET-180-050	775	-
		805	600	MET-080-060	445	-
		1225	600	MET-120-060	645	-
		1540	600	MET-150-060	792	-
		1750	600	MET-180-060	889	-

hnder Quaro – page 30							
	н	L	Model	φs	Е		
	971	300	QA-100-030	299	-		
	1403	300	QA-140-030	421	-		
	1835	300	QA-180-030	543	-		
	971	450	QA-100-045	420	-		
	1403	450	QA-140-045	590	-		
	1835	450	QA-180-045	761	-		
	971	600	QA-100-060	533	-		
	1403	600	QA-140-060	749	-		
	1835	600	QA-180-060	966	-		

Zehnd	er Sub	way –	page 32		
	Н	L	Model	φs	Е
	613	450	SUB-060-045	310	-
	973	450	SUB-100-045	401	300
	1261	450	SUB-130-045	509	300
	1549	450	SUB-150-045	615	600
	1837	450	SUB-180-045	715	600
	973	600	SUB-100-060	499	300
	1261	600	SUB-130-060	639	600
	1549	600	SUB-150-060	772	600
	1837	600	SUB-180-060	898	900

Zehnd	Zehnder Janda Bow – page 36							
	Н	L	Model	Φs	E			
	716	495	JAB-070-050	359	300			
	1148	495	JAB-120-050	565	600			
	1436	495	JAB-150-050	701	300			
	1760	495	JAB-180-050	862	900			
<b>~</b> 9	716	595	JAB-070-060	424	300			
	1148	595	JAB-120-060	668	600			
	1436	595	JAB-150-060	825	600			
	1760	595	JAB-180-060	1028	900			
	1148	745	JAB-120-075	824	900			
	1760	745	JAB-180-075	1276	1200			

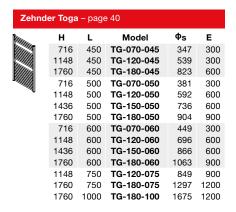
Zehnder Forma Spa – page 37								
	н	L	Model	фѕ	E			
	721	496	LF-070-050-05	378	300			
	1161	496	LF-120-050-05	612	300			
	1441	496	LF-150-050-05	796	600			
	1761	496	LF-180-050-05	973	900			
•	721	596	LF-070-060-05	442	300			
	1161	596	LF-120-060-05	707	600			
	1441	596	LF-150-060-05	927	900			
	1761	596	LF-180-060-05	1133	900			
	1761	746	LF-180-075-05	1416	1200			

#### Zehnder Forma Spa double-layered – page 37 н L Model Ε 1161 496 **LFD-120-050-05** 848 1441 496 LFD-150-050-05 1092 1761 496 **LFD-180-050-05** 1299 LFD-120-060-05 1161 596 1012 1761 596 **LFD-180-060-05** 1535

Zehnder Forma Asym – page 38									
	н	L	Model	Φs	E				
	1161	496	LFAR-120-050	547	500				
	1681	496	LFAR-170-050	778	750				
	1161	596	LFAR-120-060	628	600				
	1681	596	LFAR-170-060	894	900				
-4	1161	496	LFAL-120-050	547	500				
	1681	496	LFAL-170-050	778	750				
	1161	596	LFAL-120-060	628	600				
	1681	596	LFAL-170-060	894	900				

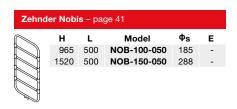
ehnd	ehnder Klaro – page 39									
	н	L	Model	Φs	Е					
	746	450	ZSL-080-045	354	300					
	1146	450	ZSL-120-045	521	300					
	1466	450	ZSL-150-045	653	600					
	1706	450	ZSL-170-045	751	600					
	746	500	ZSL-080-050	388	300					
	1146	500	ZSL-120-050	571	300					
	1466	500	ZSL-150-050	716	600					
	1706	500	ZSL-170-050	824	600					
	746	600	ZSL-080-060	455	300					
	1146	600	ZSL-120-060	670	600					
	1466	600	ZSL-150-060	839	600					
	1706	600	ZSL-170-060	966	900					
	1706	750	ZSL-170-075	1154	900					

### Overview of models: Decorative radiators for bathrooms



Zehnder Aura – page 43									
	н	L	Model	Φs	E				
	775	450	PBZ-080-045	326	300				
	1217	450	PBZ-120-045	469	300				
	1469	450	PBZ-150-045	576	300				
	1856	450	PBZ-180-045	719	600				
	775	500	PBZ-080-050	357	300				
	1217	500	PBZ-120-050	511	300				
	1469	500	PBZ-150-050	629	600				
	1856	500	PBZ-180-050	786	600				
	775	600	PBZ-080-060	420	300				
	1217	600	PBZ-120-060	595	600				
	1469	600	PBZ-150-060	737	600				
	1856	600	PBZ-180-060	922	900				

Zehnd	Zehnder Zeno Bow – page 44							
	Н	L	Model	Φs	E			
	788	495	ZNT-080-050	377	300			
	1184	495	ZNT-120-050	562	300			
	1508	495	ZNT-150-050	713	600			
	1688	495	ZNT-170-050	807	600			
	788	595	ZNT-080-060	447	300			
	1184	595	ZNT-120-060	667	600			
	1508	595	ZNT-150-060	846	600			
	1688	595	ZNT-170-060	957	900			
	1184	745	ZNT-120-075	822	600			
	1688	745	ZNT-170-075	1179	1200			



Zehnder Aura Bow – page 43										
<b>.</b>	н	L	Model	φѕ	E					
	775	496	PBTZ-080-050	357	-					
	1217	496	PBTZ-120-050	511	300					
	1469	496	PBTZ-150-050	629	600					
	1856	496	PBTZ-180-050	786	600					
	775	595	PBTZ-080-060	420	300					
	1217	595	PBTZ-120-060	595	600					
	1469	595	PBTZ-150-060	737	600					
	1856	595	PBTZ-180-060	922	900					

н	L	Model	$\phi_{S}$	Е
800	500	IMP-080-050	364	300
1000	500	IMP-100-050	460	300
1180	500	IMP-120-050	548	300
1400	500	IMP-140-050	636	600
1600	500	IMP-160-050	717	600

Zehnd	er Stalo	<b>ox</b> – pa	ge 42		
ı.	Н	L	Model	фs	E
	608	450	STX-060-045	190	-
	824	450	STX-080-045	247	-
<b>'</b>	1040	450	STX-100-045	310	-
•					

Model

746 467 **LVCWC-75-47** 135 -

Φs

H L

Zehnder Zeno – page 44										
	н	L	Model	φs	E					
	788	450	ZN-080-045	341	300					
	1184	450	ZN-120-045	509	300					
	1508	450	ZN-150-045	646	600					
	1688	450	ZN-170-045	731	600					
	788	500	ZN-080-050	377	300					
	1184	500	ZN-120-050	562	300					
	1688	500	ZN-170-050	807	600					
	788	600	ZN-080-060	447	300					
	1184	600	ZN-120-060	667	600					
	1508	600	ZN-150-060	846	600					
	1688	600	ZN-170-060	957	900					
	1184	750	ZN-120-075	822	600					
	1688	750	ZN-170-075	1179	1200					
	1688	1000	ZN-170-100	1543	1200					

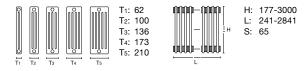
nnder Zeta – page 45									
	н	L	Model	φѕ	Е				
	800	500	PQ6-080-050	322	300				
	1200	500	PQ6-120-050	476	300				
	1600	500	PQ6-160-050	647	600				
	800	600	PQ6-080-060	377	300				
	1200	600	PQ6-120-060	566	300				
	1600	600	PQ6-160-060	746	600				

Zeiiii

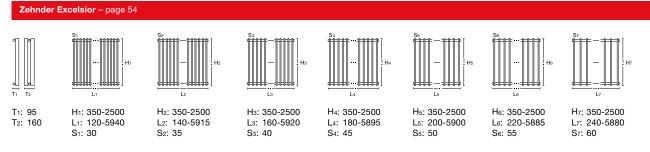
## Overview of models: Decorative radiators for living rooms and other areas of the home





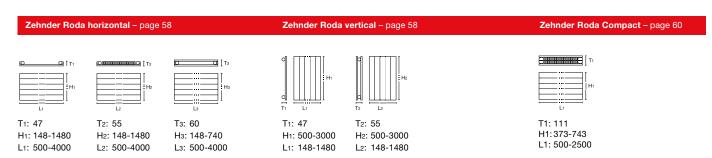


Special shapes: angled, curved, optionally with integrated valve

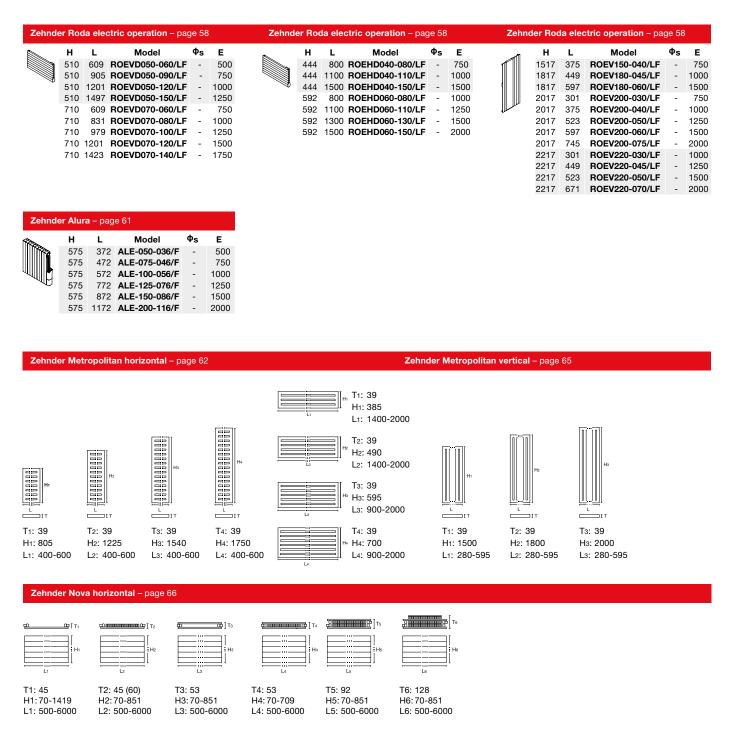


Special shapes: angled, curved, trapezoidal, stair railing, optionally with integrated valve (Completto version).





# Overview of models: Decorative radiators for living rooms and other areas of the home



Special shapes: curved, angled, optionally with integrated valve (Completto version).

Smaller, larger and intermediate heights, as well as maximum lengths, are available upon request.

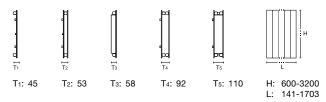
H = Height in mm

L = Length in mm

 $\phi_S$  = Nominal heat output according to EN 442 (75/65/20°C)

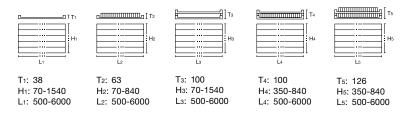
E = Electric heat output in watts (dual energy operation)

#### Zehnder Nova vertical – page 67



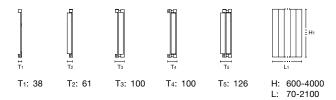
Special shapes: angled.

#### Zehnder Radiapanel horizontal – page 68

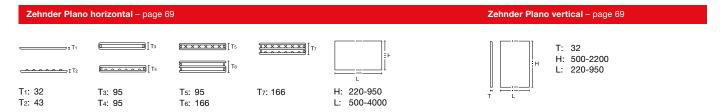


Special shapes: angled, curved (single-layer), optionally with integrated valve (Completto version).

#### Zehnder Radiapanel vertical – page 68



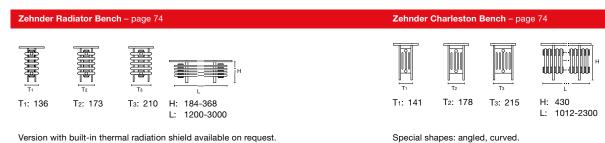
Special shapes: angled, optionally with integrated valve (Completto version).



Special shapes: angled, curved (single-layer), optionally with integrated valve (Completto version).

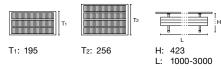
# Overview of models: Decorative radiators for living rooms and other areas of the home



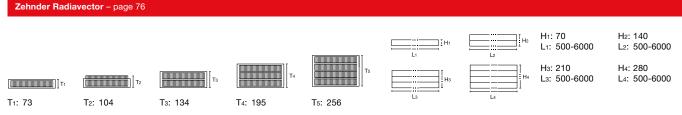




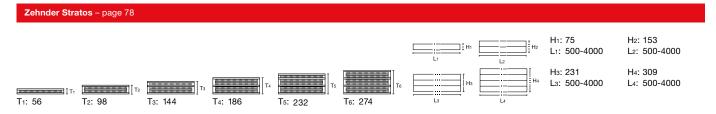
Version with built-in thermal radiation shield available on request.



Version with built-in thermal radiation shield available on request.



Special shapes: angled and optionally with integrated valve (Completto version). Version with built-in thermal radiation shield available on request.



Optionally with integrated valve (Completto version). Version with built-in thermal radiation shield available on request.

Smaller, larger and intermediate heights, as well as maximum lengths, are available upon request.

H = Height in mm
L = Length in mm
φ<sub>S</sub> = Nominal heat output according to
EN 442 (75/65/20°C)

E = Electric heat output in watts (dual energy operation)

#### **Zehnder Terraline** – page 79

	170 mm	215 mm	255 mm	340 mm	420 mm	170	mm 2	215 mm	255 mm	340 mm	420 mm
90 mm	UN-09-17	<b>IV</b> -09-21	UN-09-25	UN-09-34	UN-09-42	5 4	14-17 U	JN-14-21	UN-14-25	UN-14-34	UN-14-42
110 mm		UN-11-21	UN-11-25	UN-11-34	<b>PPP</b> UN-11-42	190 mm		JN-19-21	UN-19-25	UN-19-34	UN-19-42

Lengths per individual piece: 800–4800 mm for all models.

#### Zehnder Terraline Neo – page 79

	170 mm	215 mm	255 mm	340 mm		170 mm	215 mm	255 mm	340 mm
70 mm			<b>₩ • ₩</b> UFT-07-25	<b>©                                    </b>	110 mm	UFT-11-17	UFT-11-21	UFT-11-25	UFT-11-34
90 mm	<b>UFT-09-17</b>	UFT-09-21	UFT-09-25	UFT-09-34	145 mm	<b>UFT-14-17</b>	UFT-14-21	UFT-14-25	UFT-14-34

Lengths per individual piece: 800-4800 mm for all models.

#### Zehnder Nova Neo horizontal – page 81



Н	L	Model	Φs	Е
370	700	VRX-037-070/BP	1042	-
370	800	VRX-037-080/BP	1191	-
370	1000	VRX-037-100/BP	1778	-
370	1100	VRX-037-110/BP	1956	-
370	1200	VRX-037-120/BP	2134	-
370	1400	VRX-037-140/BP	2611	-
370	1500	VRX-037-150/BP	2797	-
444	700	VRX-044-070/BP	1087	-
444	800	VRX-044-080/BP	1243	-
444	1000	VRX-044-100/BP	1855	-
444	1100	VRX-044-110/BP	2041	-
444	1200	VRX-044-120/BP	2227	-
444	1400	VRX-044-140/BP	2724	-
444	1500	VRX-044-150/BP	2919	-
518	700	VRX-051-070/BP	1135	-
518	800	VRX-051-080/BP	1297	-
518	1000	VRX-051-100/BP	1936	-
518	1100	VRX-051-110/BP	2130	-
518	1200	VRX-051-120/BP	2323	-
518	1400	VRX-051-140/BP	2842	-
518	1500	VRX-051-150/BP	3045	-
592	700	VRX-059-070/BP	1184	-
592	800	VRX-059-080/BP	1353	-
592	1000	VRX-059-100/BP	2020	-
592	1100	VRX-059-110/BP	2222	-
592	1200	VRX-059-120/BP	2424	-
592	1400	VRX-059-140/BP	2966	-
592	1500	VRX-059-150/BP	3178	-

## Zehnder accessories

Little extras which make life easier: be it a towel rail or towel hook – the range of accessories from Zehnder brings order to bathrooms and living areas. All accessories have of course been designed to match the radiators, which themselves shine like new after a quick brush with a lambswool cleaning brush from Zehnder, also available in the range.



Towel hook



Towel rail



Paper roll holder



Towel rail



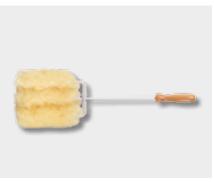
Towel hook



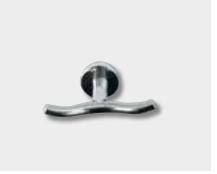
Towel rail



Double hook



Lambswool cleaning brush

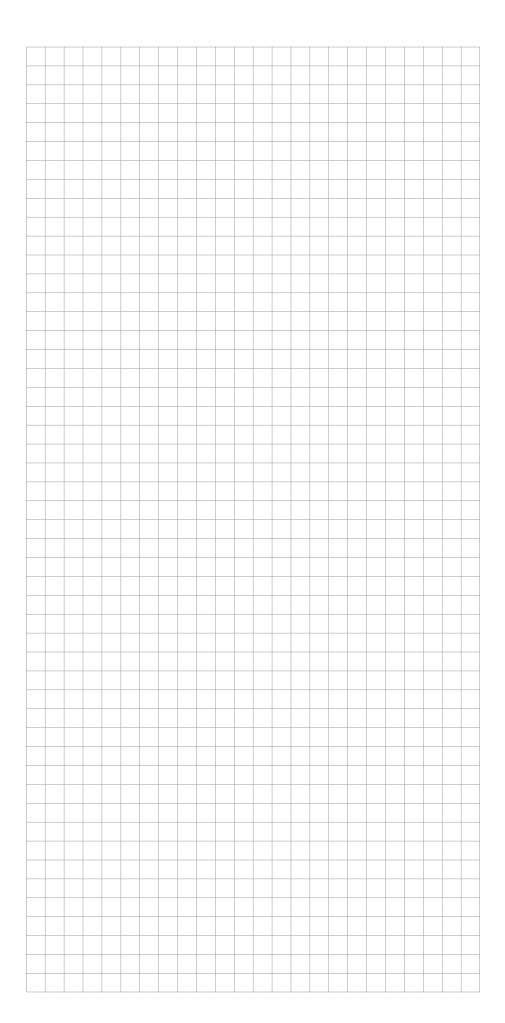


Towel hook, magnetic



Towel rail, magnetic

## Zehnder notes



### Colour System

#### Architectural



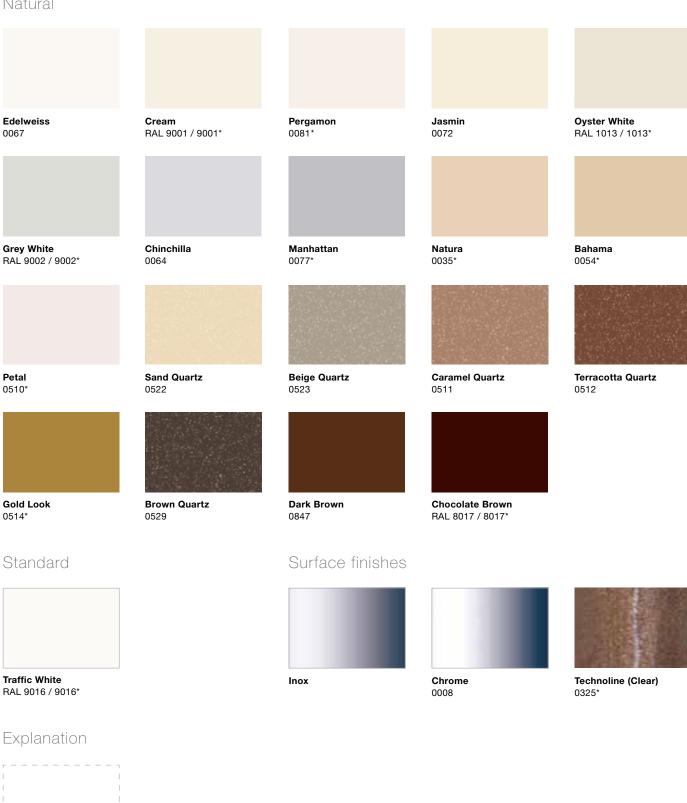
<sup>\*</sup> These colours have a glossy finish, all others are matt.

Some colours/surface finishes are only available for selected products. RAL and NCS are markings of the manufacturer.

Despite the utmost care in producing this colour chart and in the painting of our radiators, slight deviations in colour are possible depending on the production series and the surface that is painted on (ceramic, paper, metal, etc).

#### Natural

Colour name Zehnder no. / Colour standard



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## Zehnder Comfosystems

Whether for a new building or a refurbishment project, as the owner, you have to take many different factors into consideration these days: comfort and health of residents, energy and financing matters as well as applicable directives and building regulations. Although a modern, air-tight building fabric reduces energy consumption, it prevents natural air exchange. Comfortable indoor ventilation is the modern and sustainable answer here: it offers a healthy, comfortable and energy-efficient alternative to window ventilation, provides energy savings through integrated heat recovery and guarantees optimum indoor air quality for more well-being.

When you want functionality, durability and the latest state-of-the-art technology.



With window ventilation, noise.

insects, pollen and pollutants can get into the living areas. How can I promote both health and comfort?

## Improve comfort and health

With comfortable indoor ventilation, the windows can remain closed, and yet your living areas are provided with a constant supply of fresh, clean air and the CO<sub>2</sub> content is reduced.

This is how well-being, sleep, concentration and performance capability are promoted. Optional fine filters capture any fine particulate matter and pollen.





efficiently?

saving energy is important, window ventilation results in the loss of valuable heat - energy and money are wasted. How can I use energy more



insufficient air supply can

lead to the development of moisture and mould, particularly in combination with an air-tight building fabric. This attacks the building structure, causing the property to lose value. What can I do to retain the value of the property?



ventilation system

suit my style? Will it interfere with my arrangement of living space? What does a ventilation system look like?



windows "invite"

thieves to break in - an avoidable safety risk. How can I make my property safer?

#### More efficient use of energy

With comfort ventilation, the energy efficiency of the air-tight building fabric is fully exploited. With a heat recovery efficiency of up to 95%, up to 50% of heating energy can be saved.

#### Retain value of the property

With comfortable indoor ventilation, excess moisture is removed from the used air, the formation of mould is avoided and the building structure and value of the property are retained.

#### Suits any style

The ventilation tubes are invisibly installed in the wall, ceiling and/or floor. Only the designer grilles and a control unit are to be seen. Suits any style.

#### **Enhance safety**

With comfort ventilation. you don't have to open the windows since there is a constant supply of fresh air and the extraction of stale air you minimise the risk of a break-in and maximise your safety.

## Constant fresh air: Hygienic, comfortable, healthy.

Easier, more efficient and more comfortable: ventilation systems from Zehnder ensure the legally required minimum air exchange, 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.



1 Supply of fresh air:

Fresh and filtered air is fed into the system via an external wall vent. The fresh outdoor air can optionally flow through a sub-soil heat exchanger beforehand which uses geothermal energy to pre-temper the outdoor air. 2 Ventilation unit:

Up to 95% of the heat is recovered from the extract air and transferred to the fresh air. This can be humidified, dehumidified, heated and cooled using optional components.

3 Air distribution:

The air distribution system channels fresh air at the right temperature to individual rooms as needed and vents the extract air to the outside. The air volume can be individually adjusted for each room.



#### 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 a cooling unit, the supply air is actively tempered and dehumidified by means of a heat pump.



#### 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. The air distribution system is SKZ certified and approved by the Hygiene Institute.









#### Designer grilles

#### Perfect appearance

The designer grilles, which match all kinds of interior designs, discreetly conceal the supply and extract air outlets. They are available in stainless-steel or white-lacquer surface finishes. Some models have received the iF Product Design Award.