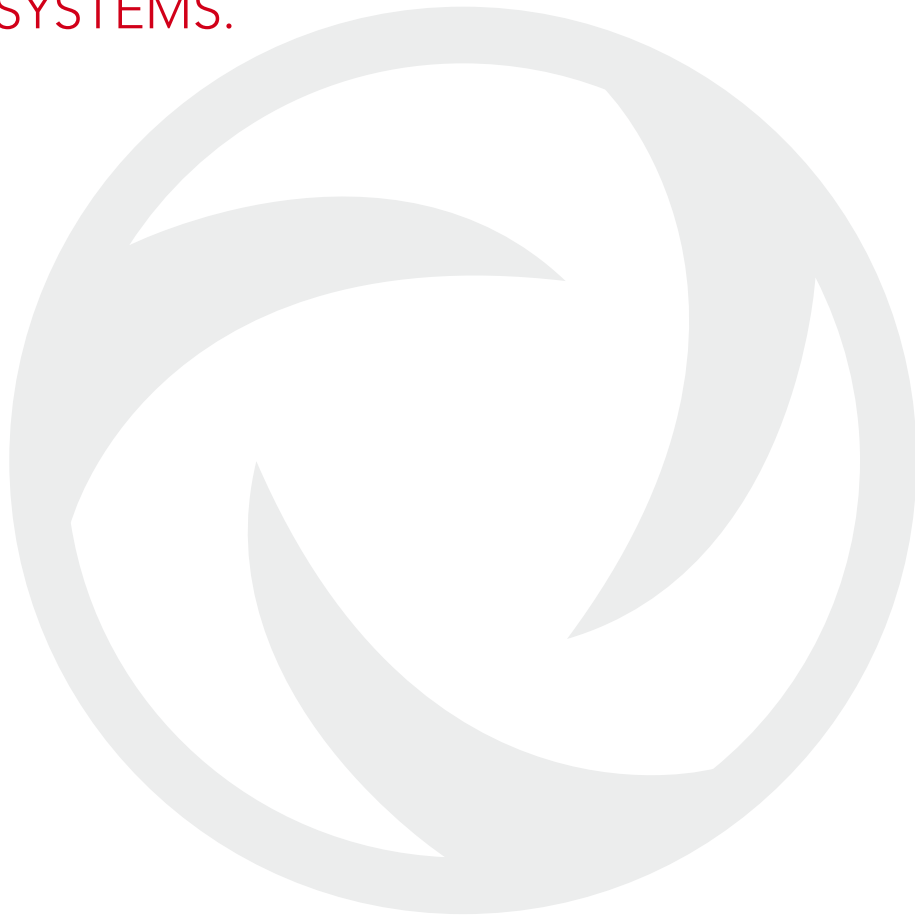


FLOORTEC UNDERFLOOR  
HEATING SYSTEMS.



heating through innovation.

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**Operating conditions**

The maximum operating temperature during use of **FLOORTEC** under-floor heating with **FLOORTEC** heating pipes in the peroxide interconnected design is 95 °C, with a maximum operating pressure of 6 bar (10 bar in the case of aluminium composite pipes).

**Strong branded products with the highest quality**

In addition to high skill in design and enthusiasm for innovation, **VOGEL&NOOT** offers its customers strong brands that meet the highest quality standards. The quality and performance specifications of the underfloor heating systems are continuously tested and confirmed by recognised and independent European institutes.



## OUR CLAIM.

### Leading the way in Europe

**VOGEL&NOOT** is Europe's leading technology partner. The company sets technical standards and its broad product portfolio encompasses the fields of radiators, underfloor heating and chimneys.

As a result of constant innovation in the area of energy efficiency and unique design concepts, **VOGEL&NOOT** products are enthusiastically received by planners and heating engineers, as well as by the users of the rooms which are heated.

### **VOGEL&NOOT's principles**

#### **Maximum energy efficiency**

As a leading innovator, **VOGEL&NOOT** offers forward-looking heat emission technology for thermal comfort coupled with climate protection.

#### **Fashionable heating design**

As customisable heating systems with a unique surface design, the versatile **VOGEL&NOOT** designer radiators complement all modern living rooms.

#### **Integral range & service**

As a one-stop provider, **VOGEL&NOOT** not only guarantees a high-quality product range for optimal heat emission solutions, but also excellent advice and outstanding service.

**heatingthroughinnovation.**



## FLOORTEC STAPLER SYSTEM.

The **FLOORTEC Stapler system** provides a particularly flexible underfloor heating solution. The system consists of pre-formed installation grids in 50 mm increments. The pipes are stapled precisely and quickly to the relevant footfall sound insulation by means of U-clips.

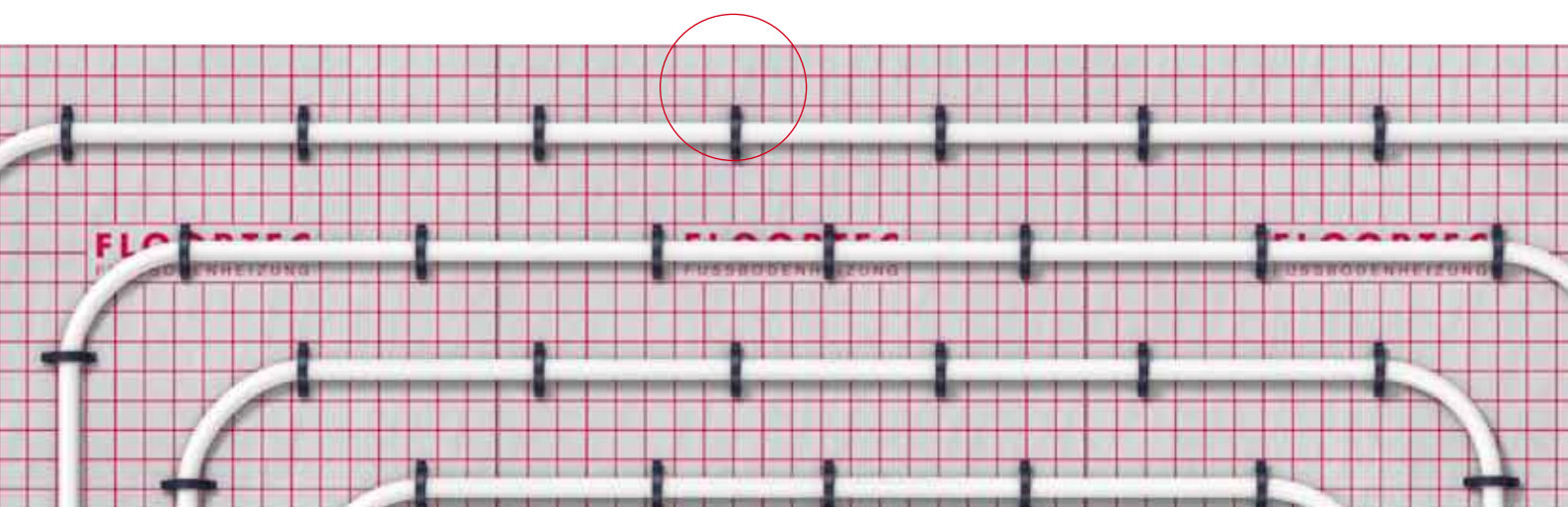


**FLOORTEC** PE-Xa pipe or aluminium composite pipe attached using a stapler.

The **FLOORTEC Stapler system** also provides high-quality footfall sound and thermal insulation. Thanks to the integrated woven fabric, the insulation can rely on the extreme holding power of the heating pipe holders and the good accessibility and walk-on stability provided during assembly. The heating pipes are attached by means of special heating pipe holders that are inserted into the insulation using a stapler. Thanks to the **FLOORTEC Stapler system**, underfloor heating can be laid quickly and easily, even on large surfaces.

### Advantage:

The components of the **FLOORTEC Stapler system** are specially designed to be compatible with one another and guarantee custom-fit assembly, in accordance with the standards, using the stapler.



## FLOORTEC STUDED SYSTEM UNI.



Photo: hülsta, D-48702 Stadthorn

There is no other method for laying underfloor heating that is simpler or safer. With the **FLOORTEC Studded system UNI**, it takes only four working steps to assemble the system – without the need to use any tools during the installation.

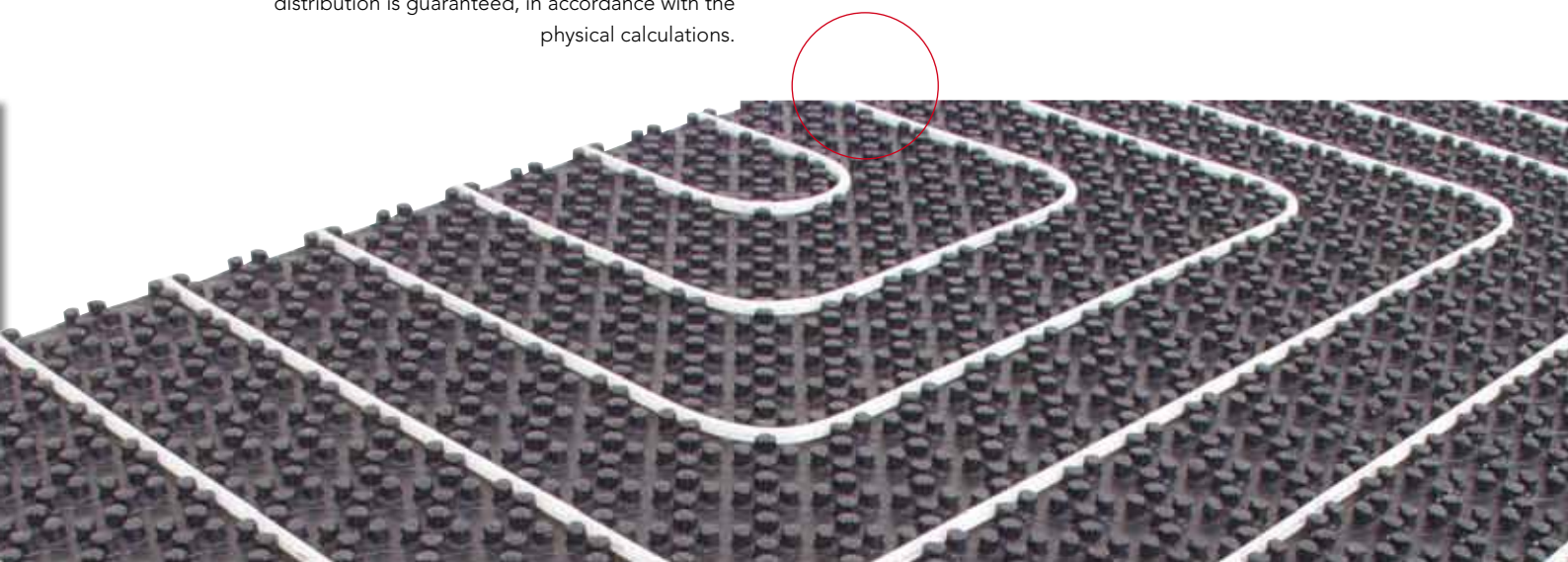
The support on which the pipes are laid is equipped with foam studs that hold the pipes in place. The heating pipe can be pressed into these studs with ease using your foot. Thanks to the **FLOORTEC Studded system UNI**, laying underfloor heating has never been easier.



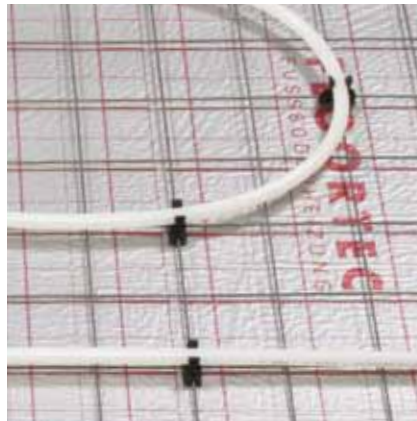
FLOORTEC Studded panel UNI 35-2.

### Advantage:

The system is shown with a precise layout with a 50 mm grid pattern, whereby optimal heat distribution is guaranteed, in accordance with the physical calculations.



FLOORTEC  
GRID MAT SYSTEM.



FLOORTEC grid mat with clip.



The **FLOORTEC Grid mat system** is used regardless of the design of the insulation located underneath. The grid mat is laid out over the cover sheeting and the pipes are attached to the mat using what are known as grid mat clips. Grid mats are joined together using mat connectors to form a unified surface.

**Advantage:**

Thanks to the innovative mat connection technology and the grid mat designs available with grid patterns of 50 x 50 mm or 100 x 100 mm or 150 x 150 mm, all of the usual installation distances can be achieved.

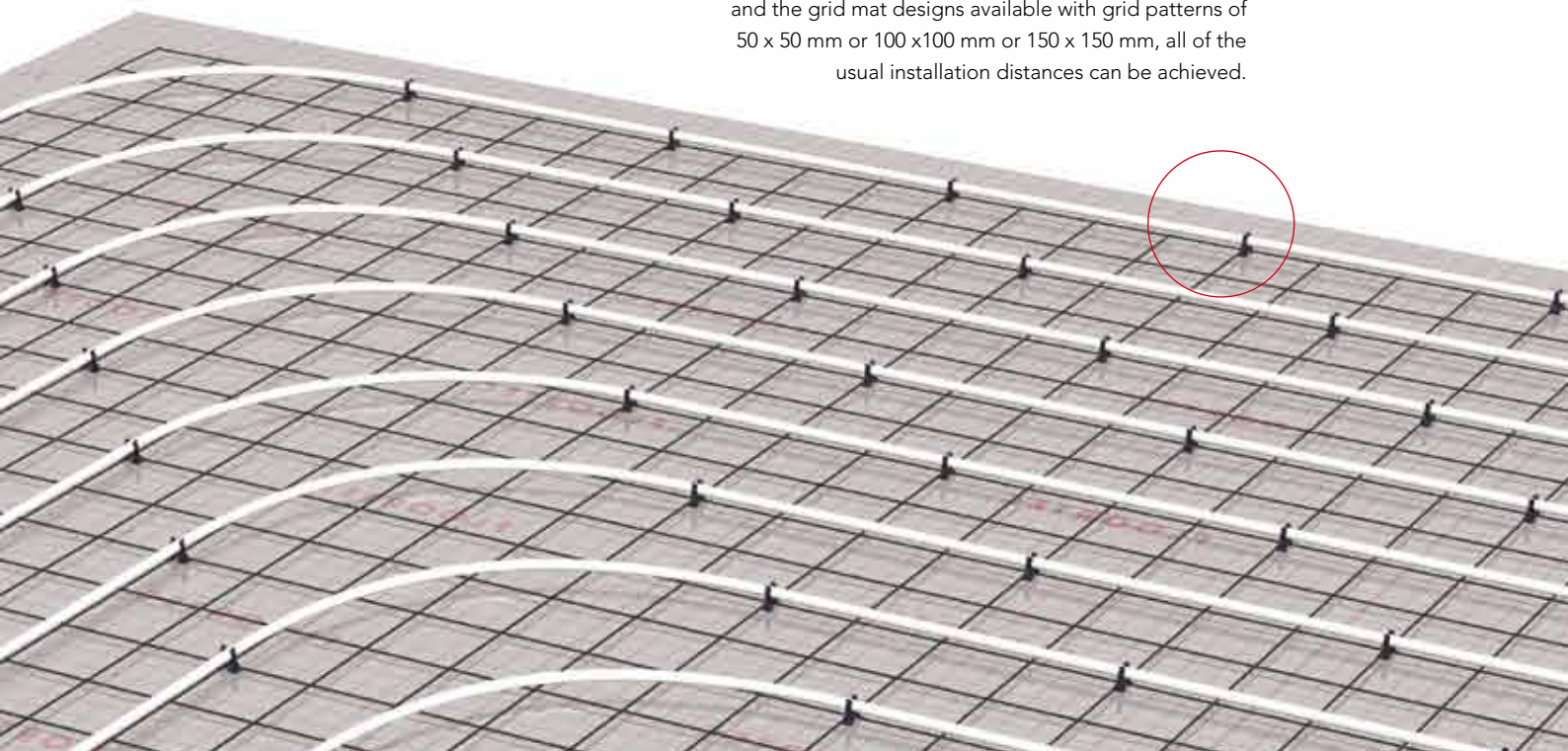




Photo: hülsta, D-48702 Stadthorn

## FLOORTEC RAIL-MOUNTED SYSTEM.

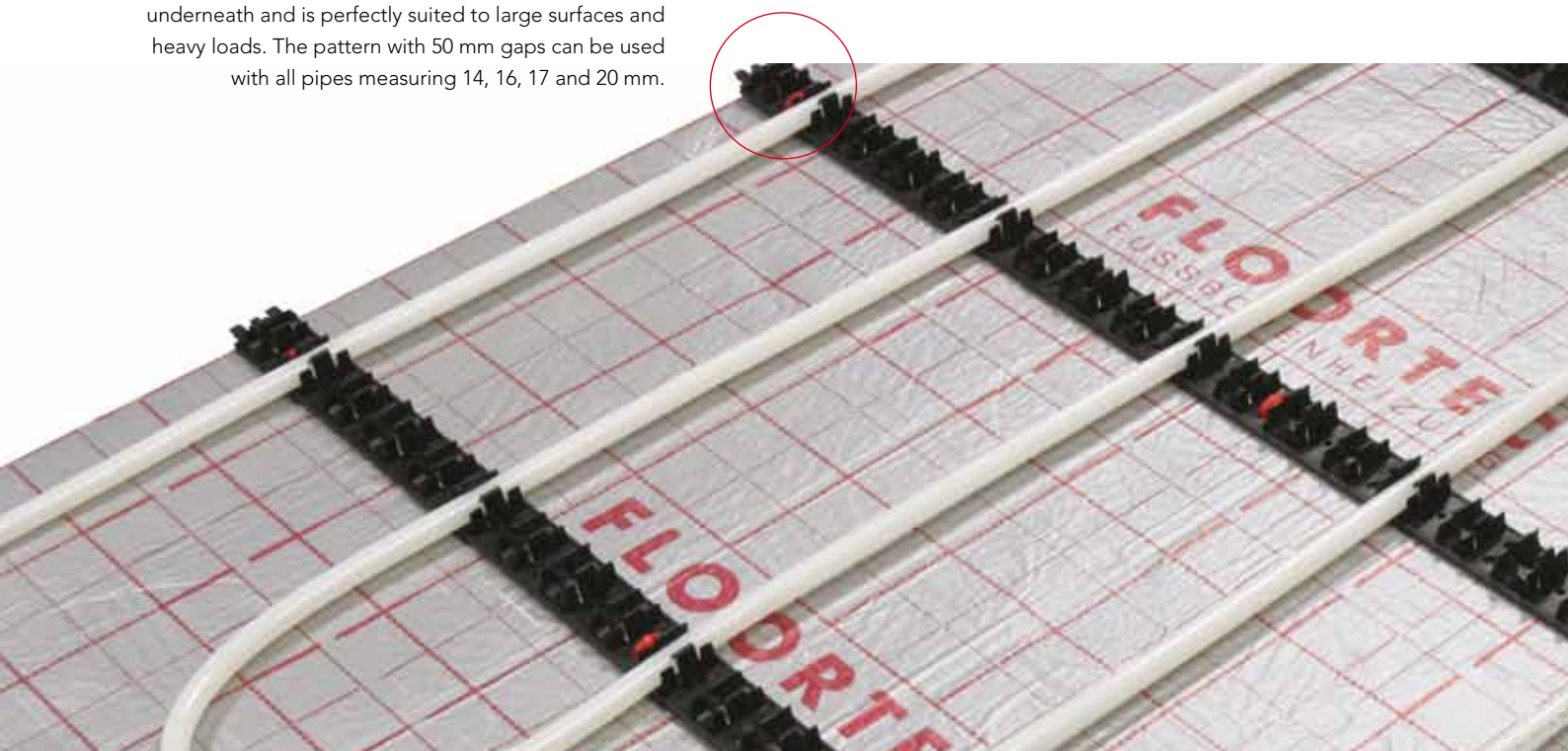
The **FLOORTEC Rail-mounted system** impresses thanks to its easy handling, due to the fact that it consists of elements measuring 1 m in length, which can be expanded “endlessly” using the “click” system. The mounting rails are fixed to the ground over the covering sheet using retention pins.



FLOORTEC mounting rails with retention pin.

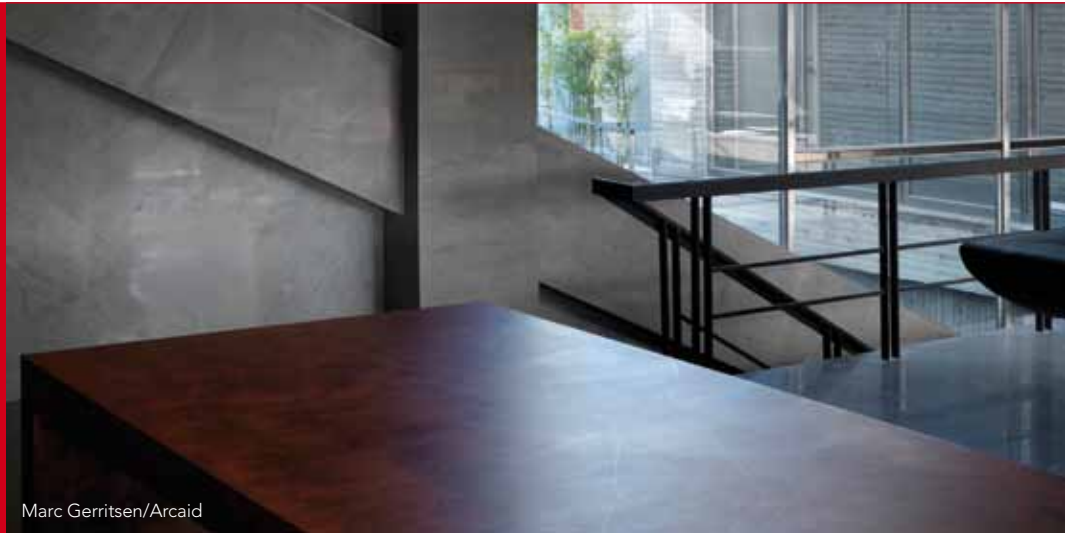
### Advantage:

The **FLOORTEC Rail-mounted system** can be used regardless of the design of the insulation located underneath and is perfectly suited to large surfaces and heavy loads. The pattern with 50 mm gaps can be used with all pipes measuring 14, 16, 17 and 20 mm.



## FLOORTEC DRY SYSTEM.

Marc Gerritsen/Arcaid



The simple design of the **FLOORTEC Dry system** with straight elements and deflector plates.

Thanks to the ultra-modern **FLOORTEC Dry system**, on-site humidity is eliminated and screed expansion joints are no longer required. This shortens the building time by several weeks. The **FLOORTEC Dry system** allows an extremely thin floor construction in combination with all top layers, and guarantees the most rapid temperature control, even heat distribution and short heating-up times. Thanks to the handy, compact dimensions of the components, rapid installation of the underfloor heating is guaranteed.

### Advantage:

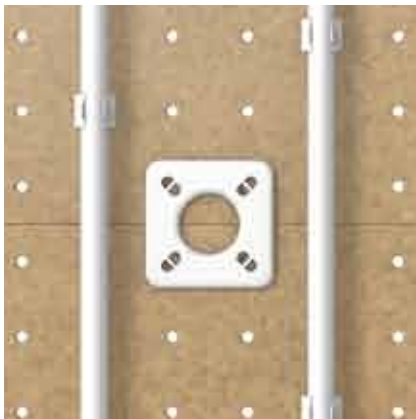
The **FLOORTEC Dry system** is the best solution for old buildings, due to the low construction height. You will save energy and enjoy a healthy and welcoming environment – with a clear conscience, safe in the knowledge that you are protecting the environment.





## FLOORTEC ECO FIBREBOARDS WITH HOLES.

The **ECO fibreboards with holes** are environmentally-friendly, efficient and practical; the system is easy to assemble and cost-efficient. In addition to the high-tech components, the system as a whole is powerful, conserves resources and reduces energy costs during operation, as well as guaranteeing the highest level of comfort.



The assembly and laying technique for the **“ECO fibreboards with holes”** is simple and time-saving. All of the components of the system are compatible with one another and can be assembled without tools, using the plug and clip connections. The geometrical shape and composition of the **“FLOORTEC fibreboards with holes”** allows the pipes to be introduced with precision at the installation intervals of your choice, according to the desired performance. Undesirable damage to the insulation material is avoided to the greatest extent possible.

### Advantage:

Thanks to the pre-defined holes, the laying of the pipes can be carried out particularly quickly using pipe clips.



## FLOORTEC STAINLESS STEEL MANIFOLDS.



Laufen

The **FLOORTEC stainless steel manifold** constitutes the heart of every underfloor heating system. Due to its compact design, it can be used with all systems and optimises the response of the heating system to the current room temperature, through its built-in flow rate meter (topmeter). If the **FLOORTEC stainless steel manifold** is used in combination with the **FLOORTEC actuator**, a five-year warranty from the date of purchase is given, which exceeds the statutory warranty period. All defects and damage caused by natural wear and tear, inadequate maintenance, inappropriate use, failure to comply with the assembly and/or operating instructions, excessive load or any other causes for which **VOGEL&NOOT** cannot be held responsible, are excluded from this warranty.

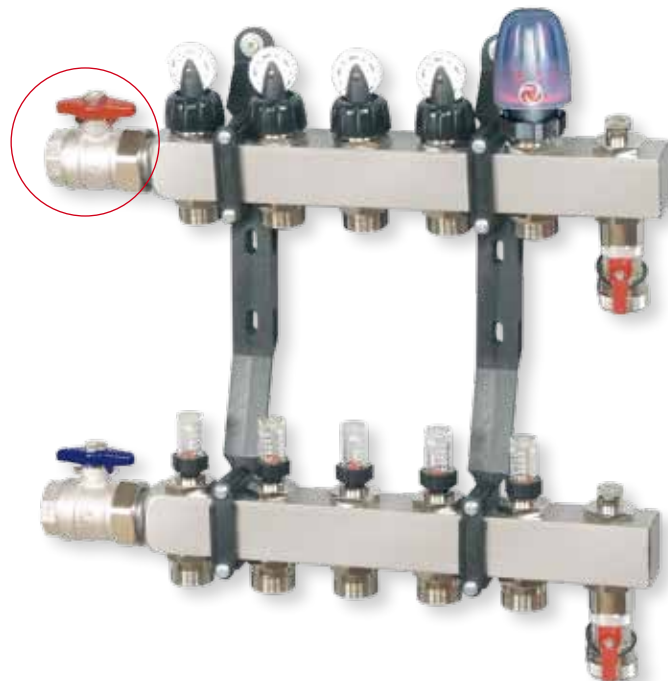
Aesthetics and sophisticated technology are combined in the **FLOORTEC stainless steel manifold**. It is a testament to the noble art of heat distribution. As a homogenous unit, it is supplied in a package – ready for connection and operation.



FLOORTEC Flow rate gauge.

### Advantage:

The **FLOORTEC stainless steel manifold** is easy to connect and compatible with all systems thanks to the  $\frac{3}{4}$ " Euro-Cone connection.



The **FLOORTEC ECO Floor control station** consists of a complete mixing module ready for connection, which is used to regulate the flow temperature of the underfloor heating. It is suitable exclusively for connection to the **FLOORTEC stainless steel manifold**.

**Advantage:**

The **FLOORTEC ECO Floor control station** is completely pre-wired. A high-efficiency pump (power consumption 35 W) belonging to energy efficiency class A is included.



## FLOORTEC ECO FLOOR CONTROL STATION.



The **FLOORTEC ECO Floor control station** is designed for connecting an (underfloor) low-temperature heating system to an existing boiler circuit.

FLOORTEC ECO  
COMPACT CONTROL  
SYSTEM.



The **FLOORTEC ECO Compact control station** for systematic connection of small panel heating systems measuring up to approximately 25 m<sup>2</sup> consists of a mixing module (¾" Euro-Cone connection) including a shaftless spherical motor circulating pump, a built in constant temperature control system (20 – 70°C) for additional connection of a room thermostat, in order to control room temperature, and a bracket, which can be mounted on the front or on the back.



**Advantage:**

With the **FLOORTEC ECO Compact control station**, panel heaters can be connected directly to the existing radiator heating circuit.

A high-efficiency pump (power consumption 8 W) belonging to energy efficiency class A is included.

## FLOORTEC HEAT METER SETS.



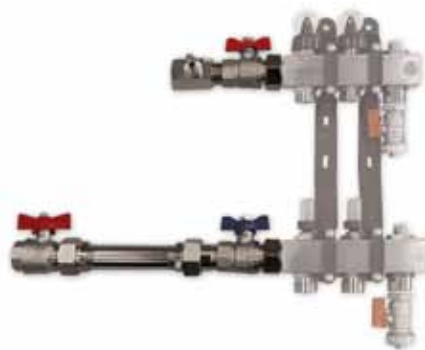
Nowadays, modern living facilities require increasingly individual solutions. This requirement becomes particularly important in the case of blocks of flats. Due to this, **VOGEL&NOOT** now offers heat meter sets in horizontal and vertical designs.

### Advantage:

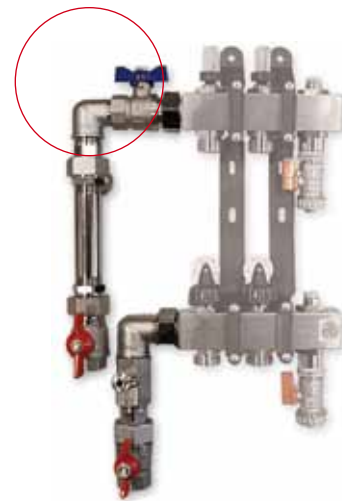
Thanks to this innovative solution, individual heating bills can now be produced more easily.

The meter sets are fully compatible with the entire range of **FLOORTEC underfloor heating systems**.

The ball cocks and thermowells are compatible with the most common heat meter providers.



Horizontal design



Vertical design

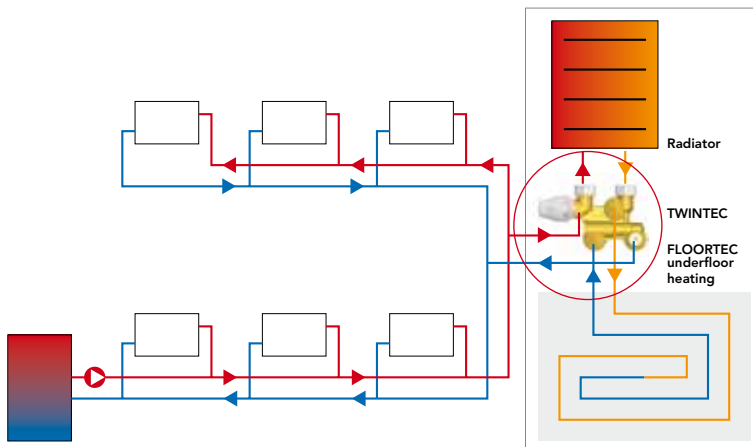


TWINTEC  
CONNECTION FITTING.

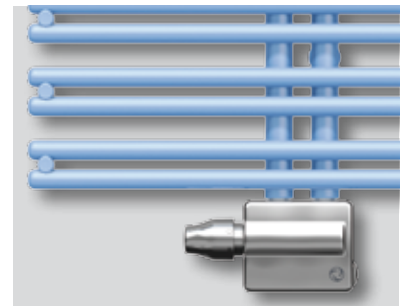
**TWINTEC** connects the radiator with the underfloor heating (max. 10m<sup>2</sup>!) and provides efficient control quality with a high degree of comfort. A unique thermostat head provides conflict-free control and allows the user to manage the heating system conveniently and easily. Thanks to the serial connection, the underfloor heating is supplied with a suitable temperature in accordance with the radiator. A built-in return temperature limit provides additional protection at 45°C! It guarantees the flow through the (designer) radiators, even when the return temperature limiter is activated.

**Advantage:**

**TWINTEC** is suitable for both new builds and renovations, and can be combined with a large number of radiators.



**TWINTEC** in combination with panel radiators



**TWINTEC** in combination with bathroom and designer radiators



**TWINTEC** in combination with convectors and heating panels

## FLOORTEC ROOM CONTROLLER SYSTEM.



Photo: hülsta, D-48702 Stadthoehn

In order to facilitate installation, the **FLOORTEC Room controller system** has wired room controllers on a flush-mounted base, which must be mounted firmly, and an attached control panel – so they can be removed with ease at any time.



Digital room thermostat

**Advantage:**

An invaluable advantage for all painting and wallpapering jobs, as the work becomes easier to carry out and the controllers can be removed, so they are protected from damage and dirt. The protection cap that is supplied also protects the flush-mounted base.



Analogue room thermostat



Connection module



**VOGEL&NOOT**

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