



Underfloor Heating

Providing a solution to all your requirements



Herz Underfloor Heating provides a low temperature, energy efficient radiant heat source with an extensive range of manifolds and controls for all applications.

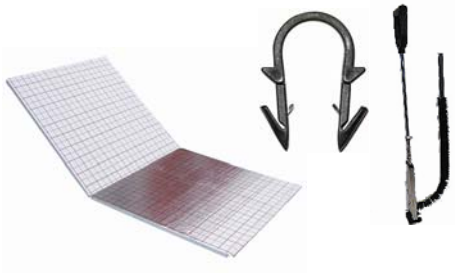
Benefits

Underfloor heating provides a radiant heat with a high level of comfort, control and a space saving method of heating leaving walls completely free of encumbrances. Underfloor heating has a low operating temperature, typically 45°C, making it energy efficient.

Systems

Herz have a large range of underfloor heating systems to meet the requirements of modern building and refurbishment.

Tacker system



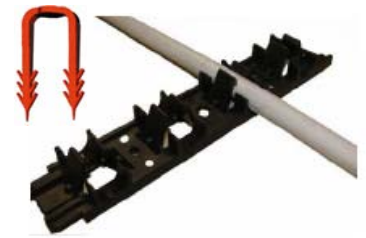
Insulation is provided including sealing foil premarked with a grid ready for installation. The tacker tool holds a magazine of 100+ clips. Very easy to install.



Clip rail system



The Clip Rail is fastened onto insulation with clips or adhesive tape. The pipe is then clipped into place at centres of 50mm minimum. A very economical system to install.



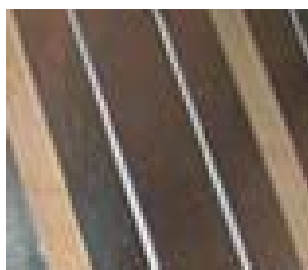
Floating Floor System



Pre-grooved insulation lined with aluminium to give effective heat distribution. The pipe is pressed into the grooves which clamp it in place. A baffle plate is fitted which incorporates the pipe bends.



Suspended Floor System

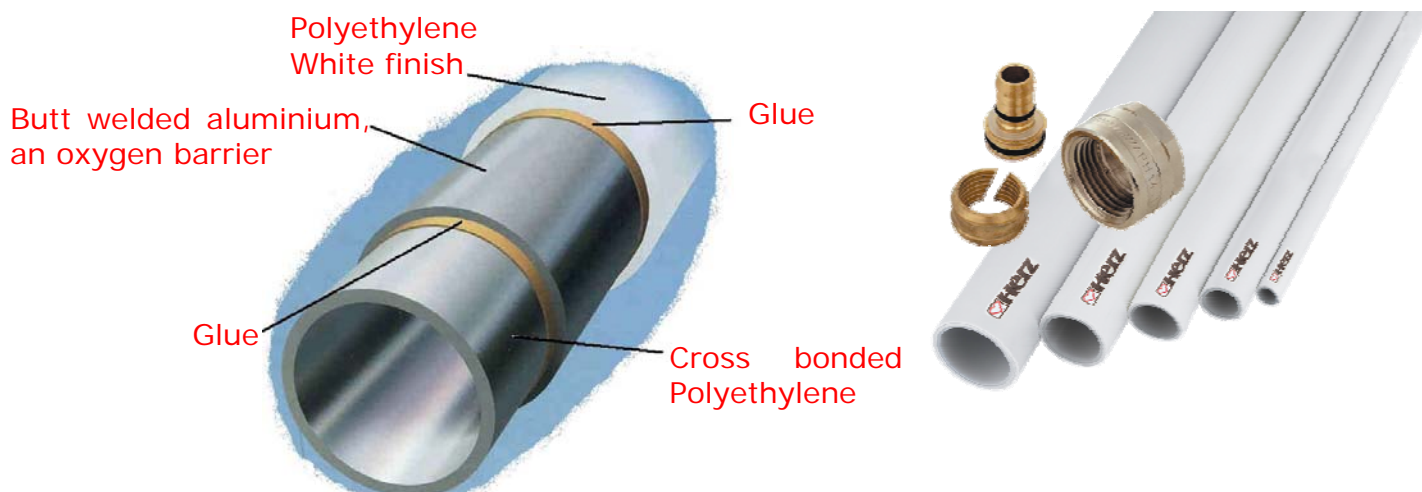


Grooved aluminium diffusion plates are fitted between the joists and the pipe laid in the grooves, insulation is fitted between the joists. The plates are fitted short to allow for the pipe to be looped

Other systems for structural floors and sprung floors are available

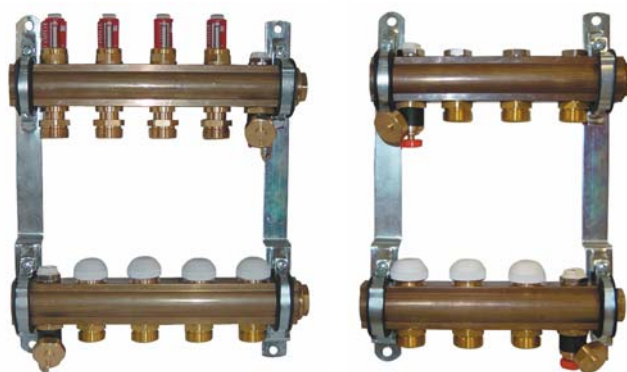
Herz Multi-layered Pipe

Herz multi-layered PE-RT composite pipe consists of an inner pipe made from polyethylene, which is covered by a seam welded aluminum layer and covered by a further layer of polyethylene. This composite material combines the excellent characteristics of plastic with the proven advantages of aluminum. The aluminum layer gives the pipe rigidity, 100% water tightness and an oxygen barrier. A consistent round pipe profile is achieved using this production process, which guarantees precise accuracy of fit for all connections.



Manifolds

Herz manifolds are available from 3 to 16 ports with or without top flow meters. The flow manifold has top meters or shut off inserts and the return manifold has thermostatic inserts allowing them to be controlled by electro-thermal actuators if required. The manifolds are also fitted with drain and fill valves and come with mounting brackets.



Controls

Herz Thermo-electric actuators for 2 point or pulse control are also available with auxiliary contacts. Room thermostats with 2 point control or programmable control are available. All controls with 230V or 24V option.



Wiring Station

The wiring station is modular and consists of a 4 zone master and 4 or 6 zone slaves. Each zone will take 1 thermostat and up to 2 actuators. The master is equipped with a pump relay. A programmable timer module is also available



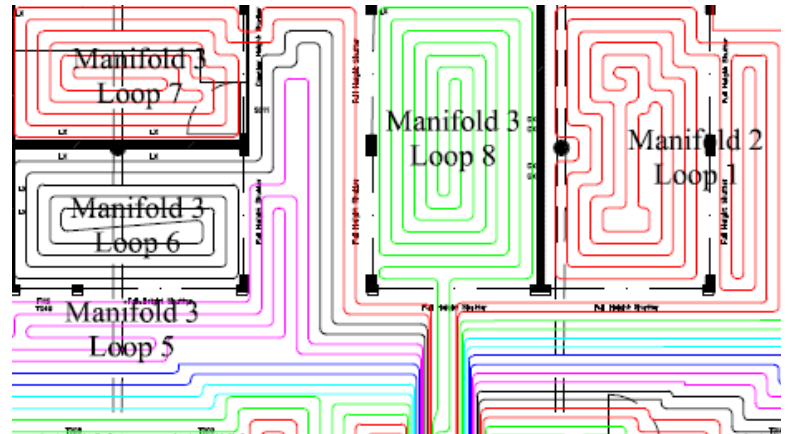
Mixing Station

The mixing station circulates water round the underfloor system at a temperature range of 35 – 65°C. Comprising of a Thermostatic Mixing Valve and a pump, the unit has a maximum heat capacity of 14kW.



Design

Each system is tailor made for each specific application and designed to include any special requirements, such as a higher output area near windows, or zoning. All systems are designed to BSEN 1264



www.herzvalves.com

Herz Valves UK Ltd

Progress House
Moorfield Point, Moorfield Road
Slyfield Industrial Estate
Guildford Tel: 01483 502211
Surrey, GU1 1RU. Fax: 01483 502025
E-Mail, sales@herzvalves.com