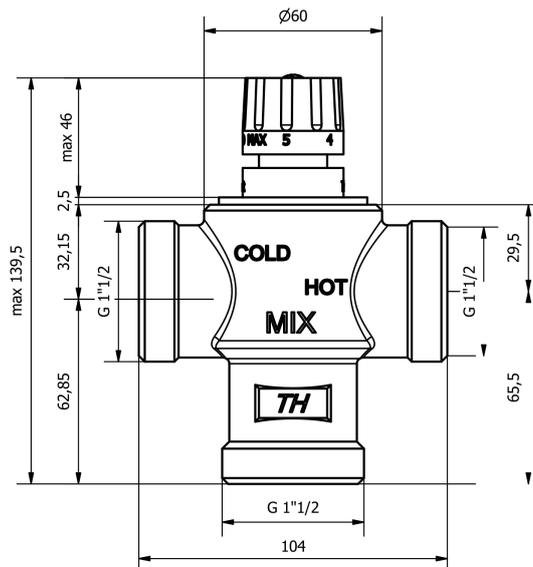


PRODUCT TECHNICAL SHEET

TECHNICAL DRAWING



PHOTO



PRODUCT FAMILY: THERMOSTATIC MIXING VALVES - MIX PR SERIES

CODE: TMTPR100M

DESCRIPTION: 1" Thermostatic valve for underfloor heating.

HYDRAULIC PERFORMANCES:

See the attached diagram pressure/flow rate

Anti Scald feature: in case of cold water failing from the system the mixer automatically closes the hot water inlet interrupting the supply output to avoid accidental scalds.

It can be used also for 1,5-2 bar pressure.

APPROVALS/CERTIFICATIONS:

TUV system certification UNI EN ISO 9001:2008.

Designed according to the main points of the UNI EN 1111

PRODUCT FEATURES:

The Thermostatic valves for underfloor heating regulate at a certain value the water temperature by mixing hot and cold water.

It works with hot water from the boiler and relatively return cold water from the installation.

Ideal for underfloor heating installations, even working with pressure lower than 3 bar.

In the underfloor heating installations the temperature control is very important, and with this valve you obtain a regulation called "fixed point", that

consists in regulating the delivery water temperature at a preset and constant value, with the possibility to change manually the pre-fixed temperature considering weather conditions.

Compared to a setting by means of electronic control unit with an external probe, it is surely more intuitive, economic, efficient and substantially free from breakages.

A sensor installed at the mixer outlet (MIX) measures the delivery water temperature to the panel and regulates the temperature to a pre-fixed value,

measuring out the quantity of cold and hot water necessary to guarantee a constant temperature.

Compared to the mixing valves with external bulb probe and capillary sensor, this installation offers the advantage to have a more precise and quick

response due to the direct contact of the sensor with the water whose temperature must be checked.

The knob has a locking nut to avoid accidental tampering.

Outlets and inlets have 1" G male connection.

TECHINICAL DATA:

Inlets: 1" G male

Outlets: 1" G male

Maximum working pressure: 10 bar

Recommended pressure: 1,5 bar

Maximum inlet temperature: 85 °C

Adjusting range: 20-65 °C

Degree scale knob: 1 ÷ 5° C

KV: 3,0 m3/h

Adjusting accuracy: ± 2 °C

The above mentioned information cannot be considered as binding. Thermomat S.r.l. reserves the right to make technical and aesthetic changes without any prior notice.

ST_PRODOTTO: TMTPR112M - 1

APPROVATO

R.T.

REV.00 DEL 12/03/2020

Thermomat s.r.l.

ISO 9001 Quality Management System certified by TÜV Italia Srl since 2005

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<p>FIXING/INSTALLATION: Follow the instructions for the connection kit: HOT (H) = inlet hot water COLD (C) = inlet cold water MIX = outlet mixed water - If pressures between cold water and hot water are considerably different from each other, we recommend to install check valves. - If the water contains corpuscles we recommend to install filters.</p>	
<p>PRODUCT LISTING: Mixing body - sandblasted and nickel-plated UNI EN 12165 CW617 brass Shutter and internal components: brass UNI EN 12164 CW614 N O'Ring NBR Thermosensitive wax element Spring - stainless steel INOX AISI 302 Knob - nylon PA6</p>	<p>PRODUCT PACKING: Packed according to needs Weight 0,6 kg kg (without packing)</p>

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