

Tender specification:

Fixing channel for heavyweight and lightweight walls, made of galvanised steel sheet, for pipework installation out of the ground into the wall to the "Unibox".

With integrated isolating facility for the connection without distributors/collectors and the room to room isolation or presetting of surface heating circuits.

The fixing channel is assembled without screws or rivets.

Adaptation to the installation height via an adjustable bracket. The adaptation to the installation depth for heavyweight walls is carried out by use of elbows. As for lightweight walls, the fixing channel is screwed directly onto the profiles.

The fixing channel includes a "Unibox" cover plate with thermostat, the additionally required "Unibox E BV" is available without cover plate and thermostat.

Consisting of:

- Isolating fitting (with regulating stem, venting and flushing valve, valve connection G $\frac{3}{4}$ for Oventrop compression fittings)
- Rear wall
- Elbows
- Bracket
- Front cover
- Cover plate with thermostat
- Fixing material

Item no.: 1022654

Technical data:

Material fixing channel: Steel sheet, galvanised

Material cover plate: Plastic

Material isolating fitting: Messing

Max. operating temperature t_s : 100 °C

Max. operating pressure p_s : 10 bar

Fluid: Non-aggressive fluids (e.g. water and suitable water and glycol mixtures according to VDI 2035/ÖNORM 5195). Not suitable for steam, oily and aggressive fluids.

Description and function:

The fixing channel will facilitate a quick and secure positioning of the "Unibox" into the wall. It is suitable for all standard wall constructions, such as brickwork, lightweight walls, concrete walls and prefabricated house walls. The fixing channel allows for the installation of the "Unibox" at a later construction phase.

The fixing channel can be adjusted easily and quickly without screws. Infill pieces in the rear wall and front cover offer various installation options. The lower bracket allows for the adaptation to different floor construction heights.

A pre-assembled fitting with integrated regulating stem for presetting and isolation of the surface heating circuit is located in the lower part of the fixing channel. Apart from the two supply pipes which are connected to the "Unibox" installed above, the return pipe from the heating circuit is introduced into the fixing channel here and is connected to the right hand side of the isolating fitting. The return pipe is fed out of the fixing channel on the left hand side (see illustr.).

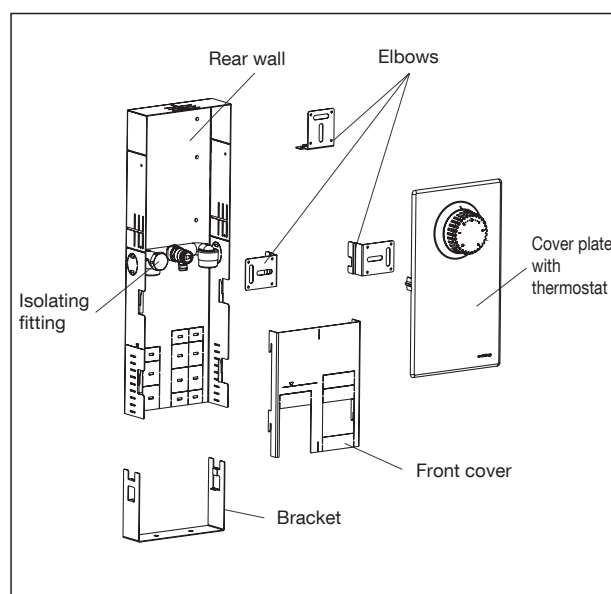
The "Unibox" can be connected through the front and the reverse side. When connecting the fixing channel through the reverse side, the "Uniboxes" of all rooms of a dwelling can be connected from the bare floor of the hallway.

Installation advice:

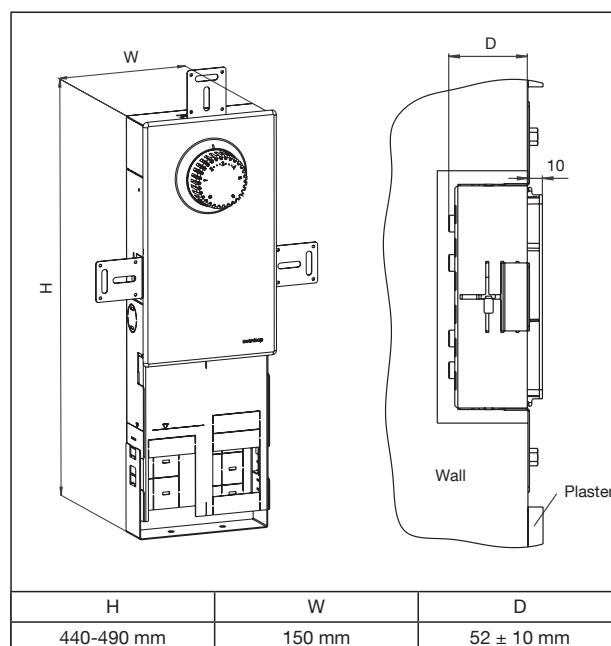
The height of the floor construction (top edge of the screed) of every level and the leading edge of the wall must be known to the installer. The height of the system insulation must also be known, in order to shorten the supply or return pipe connection piece (see illustr.) to the corresponding surface heating circuit according to the required installation height. The lower bracket and the elbows are fixed to the channel (see illustr.).

The screed height marking line on the front cover or the rear wall corresponds with the final top edge of the screed (for a screed thickness of 65 mm).

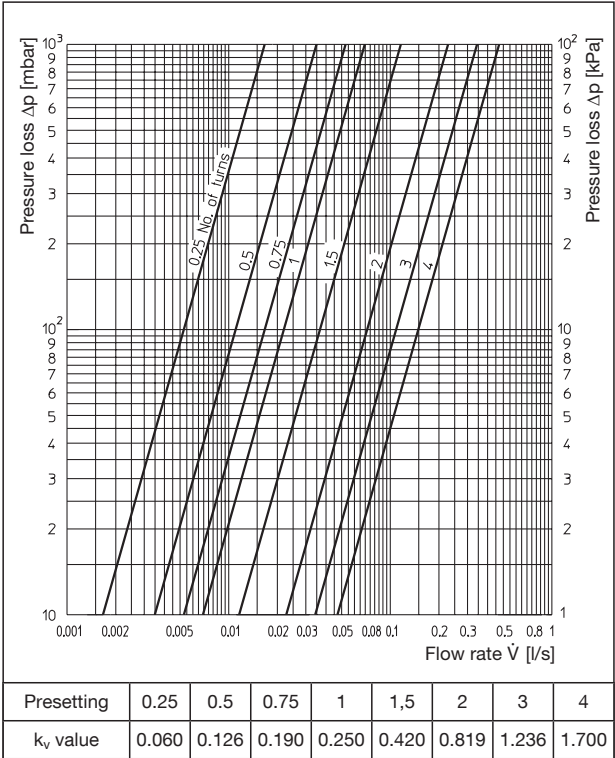
With a installation depth of $T = 52$ mm, the leading edge of the "Unibox" will be flush with the finished wall for a plaster thickness of 10 mm (see illustr.). The thickness of plaster and tiles has to be observed. The plaster has to be applied up to the edges of the wall box unit of the "Unibox".



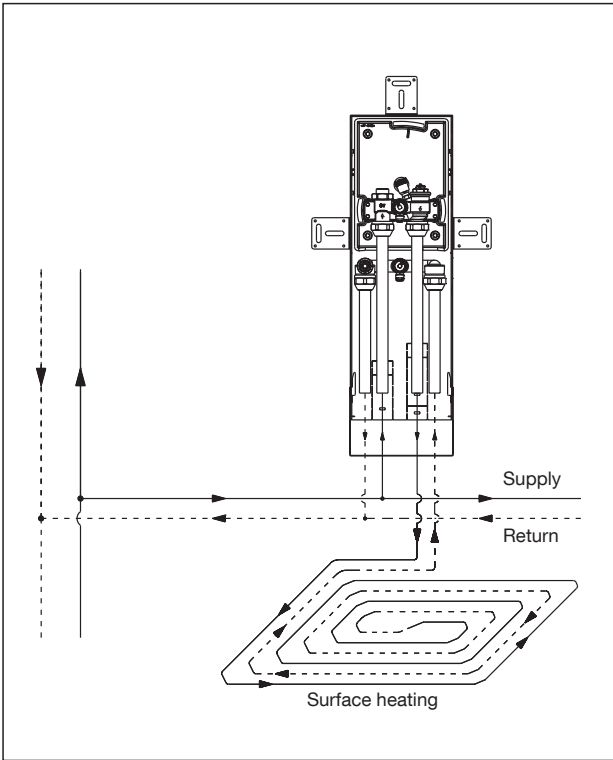
Summary fixing channel



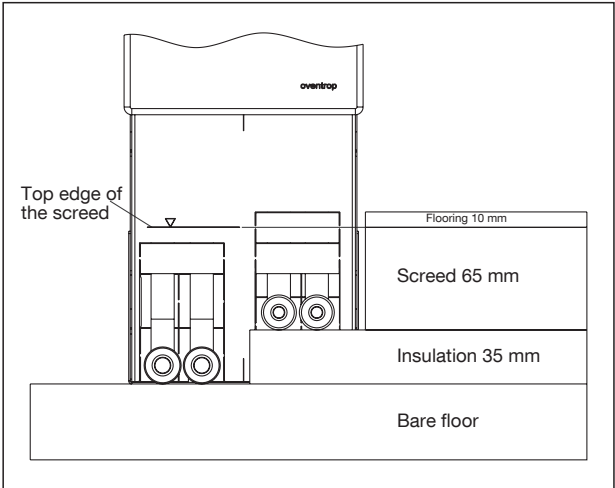
Dimensions



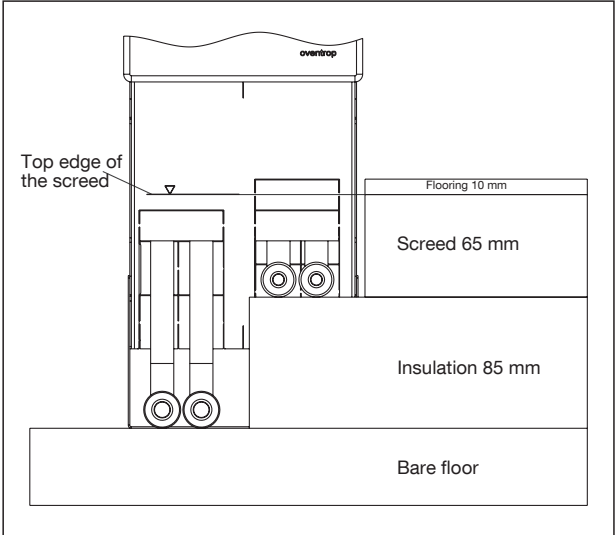
Performance data



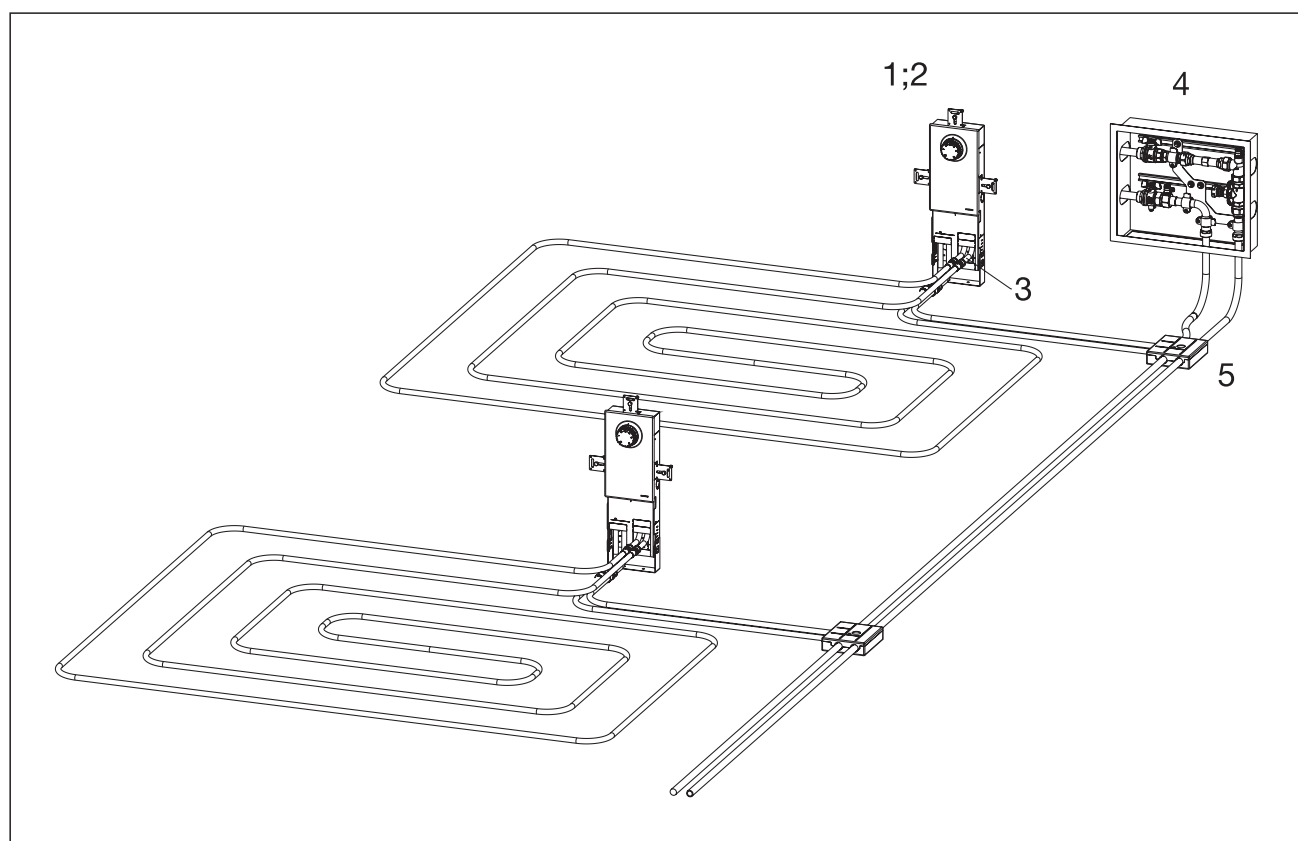
System illustration (installation option 1)



Dimensions with a minimum installation height of H = 440 mm,
bracket fully retracted



Dimensions with a maximum installation height of H = 490 mm,
bracket fully extracted



System illustration for “Unidis” surface heating system with accessory components (installation option 2)

1 Fixing channel with heating circuit isolation Item no.: 1022654	2 «Unibox E BV» without cover plate and thermostat Item no.: 1022676	3 Pipe connection press T-piece/elbow Item no.: 15151 . . Item no.: 15153 . .	4 «Floorbox UH / UV» Item no.: 1022668 Item no.: 1022669	5 Cross fitting with press connection Item no.: 1514655

Subject to technical modifications without notice.

Product range 2
ti 284-EN/10/MW
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