

Tender specification:

Control unit DN 25 for local flow temperature control of surface heating systems in combination with Oventrop stainless steel distributors/collectors.

Consisting of:

- Connection fittings
 - Three-way diverting valve
 - Check valve, pipe contact safety switch as protection against excess temperature
 - Electronically controlled pump
- Pre-assembled and leak tested.

Technical data:

Max. operating pressure p_S :	6 bar
Max. differential pressure:	0.75 bar
Max. operating temperature t_S :	
Primary side:	90 °C
Secondary side:	50 °C
Control range temperature controller:	20-50 °C
Temperature range electric pipe contact safety switch:	20-90 °C
k_{VS} -value:	4
Performance range:	up to 15 kW or up to 200 m ² heating surface with a heat demand of 75 W/m ²

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

Models:

(with high-efficiency pump Wilo-Yonos PARA)
(with Wilo pump E15/1-5)

Item no.:

1151300
1151000

Description and function:

The control unit “Regufloor H” is used for constant flow temperature control in surface heating systems.

The three-way valve has one inlet port and two outlet ports. Depending on the position of the valve disc, the direction of flow is diverted from one to the other outlet port or, in case of intermediate positions, it is diverted between the two outlet ports.

The temperature controller with contact sensor works without auxiliary energy and allows intermediate positions. With the temperature at the supply rising, the straight port is closed and the angle port is opened. Temperature is detected by the contact sensor at the supply.

The automatic pump control steadily adjusts the pump output to the current hot water demand.

The electric pipe contact safety switch is preset to 60°C and protects the surface heating circuit from inadmissible high temperatures by switching the circulation pump off if the set temperature is exceeded. If the set temperature is undercut, the pump is switched on again.

Dimensions/Connection sizes:

The installation depth of the control station inside the cabinet amounts to approx. 145 mm from the leading edge of the pump head to the rear wall of the cabinet (fixing rails have been taken into account). This installation depth has to be taken into account when installing the cabinet (pull out frame accordingly).

Installation advice:

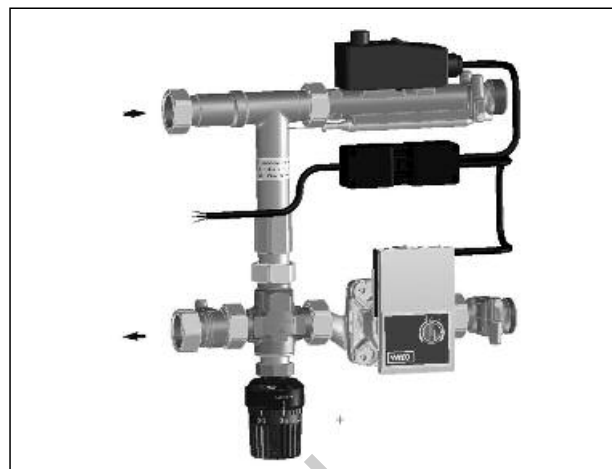
The correct direction of flow must be observed when connecting the control unit to the stainless steel distributors/collectors “Multidis SF” (see illustr.).

The supply at the control station is always located at the top and the return at the bottom.

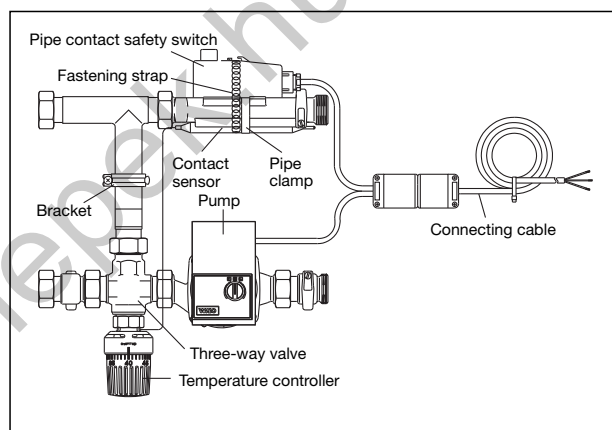
The control station is supplied for left hand side connection. For right hand side connection, turn the pump accordingly.

Subject to technical modifications.

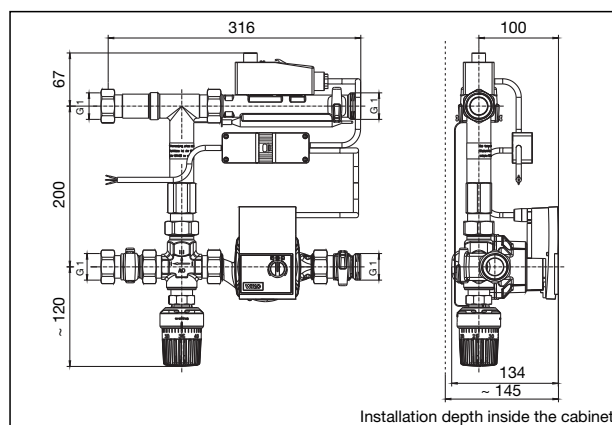
Product range 2
ti 151-0/10/MW
Edition 2014



“Regufloor H”

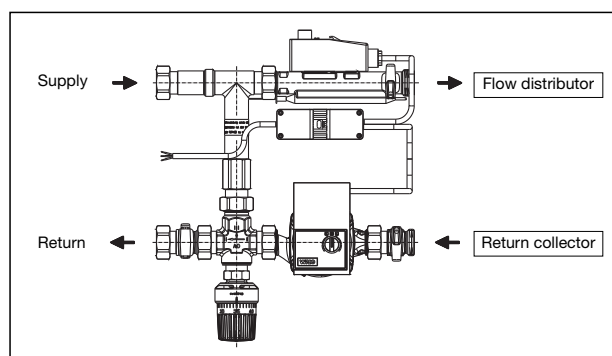


Summary



Installation depth inside the cabinet

Dimensions



Direction of flow