Tender specification:

Control unit DN 25 for flow temperature control of surface heating systems with the option of surface cooling in combination with Oventrop stainless steel distributors/collectors.
Consisting of:
- Connection fittings
- Three-way diverting valve
- Check valve, angle pattern adapter
- Electronically controlled high-efficiency pump or 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
k_{VS} value:	4
Performance range:	up to 15 kW or up to 200 m² heating surface with a heat demand of 75 W/m²

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

Models:	**Item no.:**
with high-efficiency pump Wilo-Yonos PARA RS 15/6	1152100
with Wilo pump E15/1-5, export model, only for sales outside the European Union	1152000

Description and function:

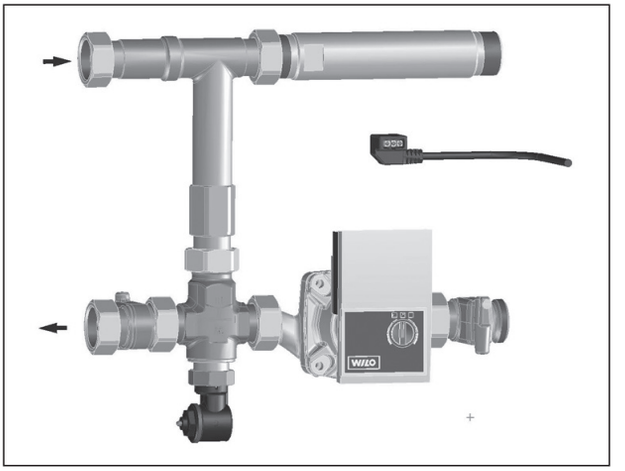
The control unit “Regufloor HC” is used for constant flow temperature control in surface heating and cooling systems.
The three-way valve has one inlet port and two outlet ports. Depending on the position of the valve disc, the direction of flow is diverted from one outlet port to the other or, in case of intermediate positions, it is diverted between the two outlet ports. The respective position of the valve disc at the three-way valve is initiated with the help of an electromotive actuator. The actuator receives its signals from an electronic controller heating/cooling. To avoid a vertical downward installation, the actuator is mounted onto the three-way valve with the angle pattern adapter.
The automatic pump control steadily adjusts the pump output to the current hot water demand.

Dimensions/Connection sizes:

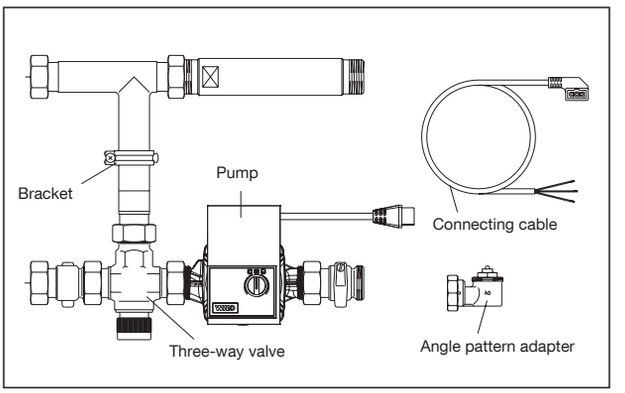
The installation depth of the control unit inside the cabinet amounts to approx. 145 mm from the leading edge of the pump head to the rear wall of the cabinet (fixing rails have been taken into account), see illustr. “Dimensions” on the right hand side. This installation depth has to be taken into account when installing the cabinet (pull out frame accordingly).

Installation advice:

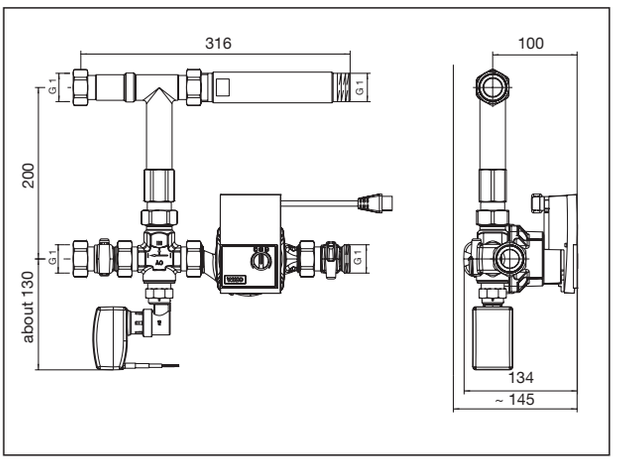
The correct flow direction must be observed when connecting the control unit to the stainless steel distributor/collector, see illustr. “Flow direction” on the right hand side.
The supply at the control unit is always located at the top and the return at the bottom.
The control unit is supplied for left hand side connection. For right hand side connection, turn the pump accordingly.



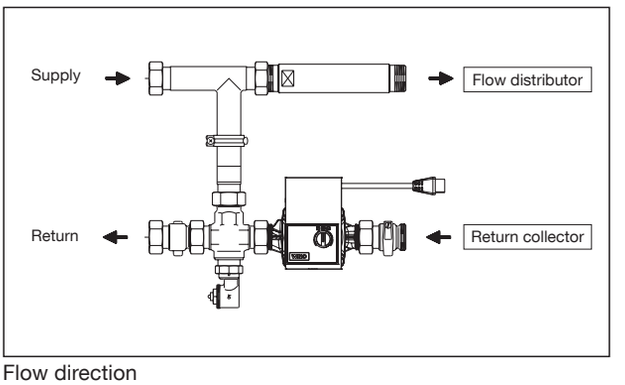
“Regufloor HC”



Summary



Dimensions



Flow direction

Subject to technical modifications without notice.

Product range 2
ti 174-EN/10/MW
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