



The Oventrop Quality Management System is certified to DIN-EN-ISO 9001

Application:

The “Regumat F-130” and “Regumat F-180” units with fixed value control are designed for flow temperature control and limitation in combined radiator/surface heating systems. The flow temperature is controlled within a range of 20°C-50°C by a three-way mixing valve in conjunction with a temperature controller with immersion sensor. Compared with the “Regumat F-130”, the “Regumat F-180” is additionally equipped with a ball valve at the pump inlet.

The fixed value control unit “Regumat FR-180” is equipped with a corrosion-resistant circulation pump with bronze body instead of a circulation pump with cast iron body. The “Regumat FR-180” and the heat exchanger “Regumat” (item no. 135 15 96) form a boiler connection system of modular construction for use in open vented surface heating systems or in existing installations with system related oxygen input.

Advantages:

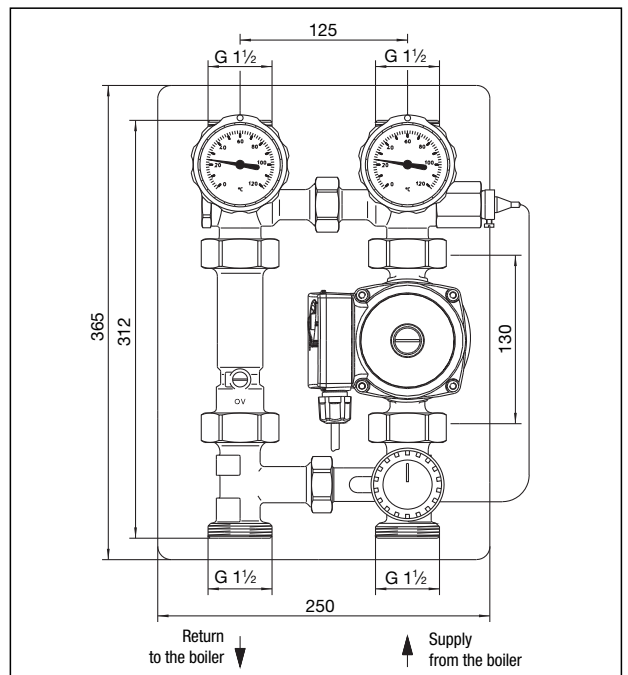
- pre-assembled connection system for circulation pumps with a length of 130 mm or 180 mm
- high quality materials
- insulation made of expanded polypropylene (EPP) supplied with each fixed value control unit
- easy installation by use of tailpipe sets
- temperature sensor integrated in the isolating unit
- increased safety due to electric sensor for attachment to pipe

Tender specification “Regumat F-130” DN 25:

Fixed value control unit “Regumat F-130” for flow temperature control of surface heating systems consisting of: Isolating set with integrated thermometers, check valve, three-way mixing valve, controller with immersion sensor control range 20°C-50°C, circulation pump 130 mm and electric sensor for attachment to pipe.

Models:

- | | |
|--|--------------------|
| Grundfos UPS 25-60 130 | Item no. 135 41 85 |
| Wilo RS 25/6 130 | Item no. 135 41 95 |
| High-efficiency pumps (energy efficiency class A): | |
| Grundfos ALPHA2 25-40 | Item no. 135 41 65 |
| Wilo Stratos ECO 25/1-5 | Item no. 135 41 75 |



“Regumat F-130”

System “Regumat F” DN 25		
Model with cast iron pump		Model with bronze pump
“Regumat F-130”	“Regumat F-180” with pump ball valve at the pump inlet	“Regumat FR-180” without pump ball valve at the pump inlet
Unit with fixed value control for sealed systems		Unit with fixed value control for open vented systems

Tailpipe sets are available as accessories.

Tender specification "Regumat F-180" DN 25:

Fixed value control unit "Regumat F-180" for flow temperature control of surface heating systems consisting of: Isolating set with integrated thermometers, check valve, three-way mixing valve, controller with immersion sensor, control range 20°C-50°C, pump ball valve at the pump inlet, circulation pump 180 mm and electric sensor for attachment to pipe.

Models:

Grundfos UPS 25-60 180 Item no. 135 42 85
Wilo RS 25/6 180 Item no. 135 42 95

High-efficiency pumps (energy efficiency class A):

Grundfos ALPHA2 25-40 Item no. 135 42 85
Wilo Stratos ECO 25/1-5 Item no. 135 42 75

Tender specification "Regumat FR-180" DN 25:

Fixed value control unit "Regumat FR-180" for flow temperature control of open vented surface heating systems consisting of: Isolating set with integrated thermometers, check valve, three-way mixing valve, controller with immersion sensor, control range 20°C-50°C, circulation pump 180 mm with bronze body and electric sensor for attachment to pipe.

Models:

Grundfos Alpha+ 25-60 B (electronic control) Item no. 135 41 87
Wilo E 25/1-5RG (electronic control) Item no. 135 41 97

Connection:

To boiler and surface heating circuit G 11/2 male thread, flat sealing for tailpipe sets.
The tailpipe sets are to be ordered separately.

Function:

The sensor in the supply pipe regulates the mixing valve according to the set flow temperature.
If the flow temperature is too high, the electric sensor for attachment to the pipe switches off the pump and switches it on again when the temperature has dropped.

Technical data:

Size: DN 25
Max. pressure: 10 bar
Max. temperature: 120 °C
k_v value: 2.2

Control range temperature sensor: 20-50 °C

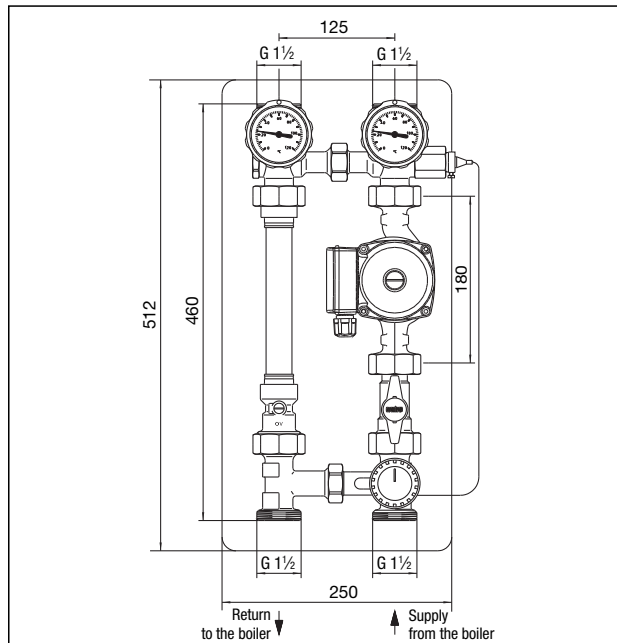
Opening pressure check valve: 20 mbar

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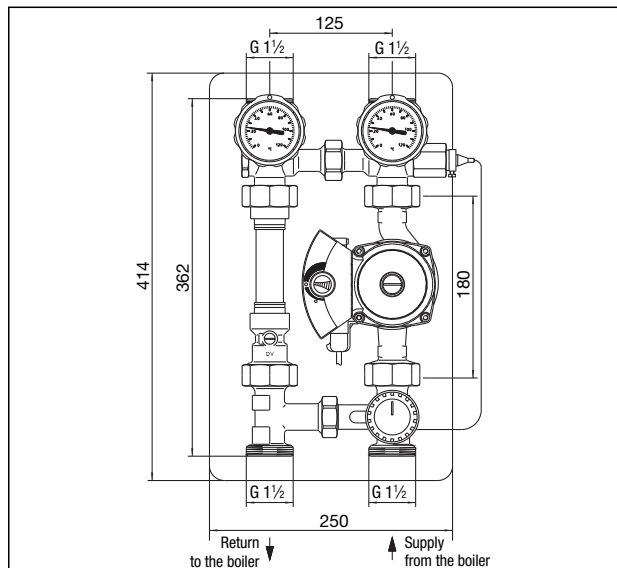
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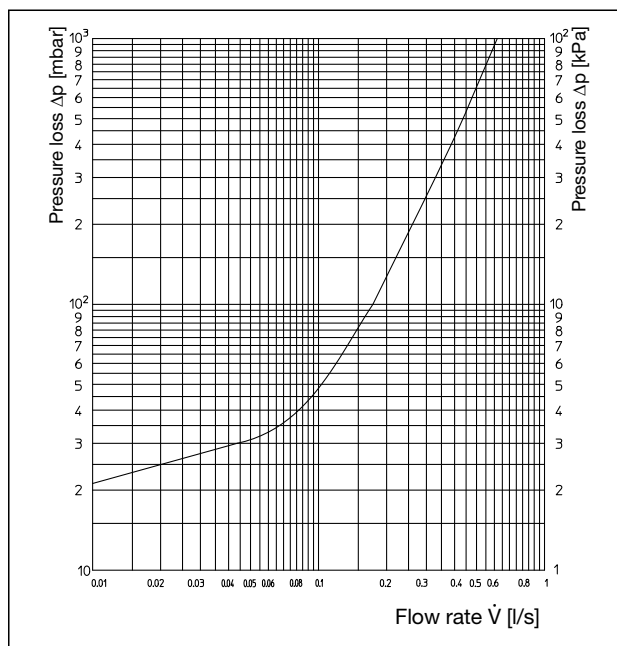
Product range 6
ti 206-1/10/MW
Edition 2010



"Regumat F-180"



"Regumat FR-180"



Flow chart "Regumat F-130"/F-180/FR-180