

#### Application:

The stations “Regumat F-130” and “Regumat F-180” serve the flow temperature control and limitation in combined radiator/surface heating systems. The flow temperature is controlled within a range of 20 °C - 50 °C with the help of a three-way mixing valve in combination with a temperature controller with immersion sensor. Compared to the “Regumat F-130”, the “Regumat F-180” is additionally equipped with a ball valve at the pump inlet. The station “Regumat FR-180” is equipped with a corrosion resistant high-efficiency pump with bronze body instead of a high-efficiency pump with cast iron body. The station “Regumat FR-180” and the heat exchanger “Regumat” (item no. 1351596/1351696) 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 with high-efficiency pump, length 130 mm or 180 mm
- high quality materials
- insulation made of expanded polypropylene (EPP) supplied with each station
- easy installation by use of tailpipe sets
- temperature sensor integrated in the isolation device
- additional safety through electronic pipe contact safety switch

#### Tender specification “Regumat F-130” DN 25:

Fixed value control unit “Regumat F-130” for flow temperature control of surface heating systems consisting of: Isolation device with integrated thermometers, check valve, three-way mixing valve, temperature controller with immersion sensor with a control range of 20 °C to 50 °C, cast iron high-efficiency pump 130 mm, electronic pipe contact safety switch and thermal insulation.

#### Models:

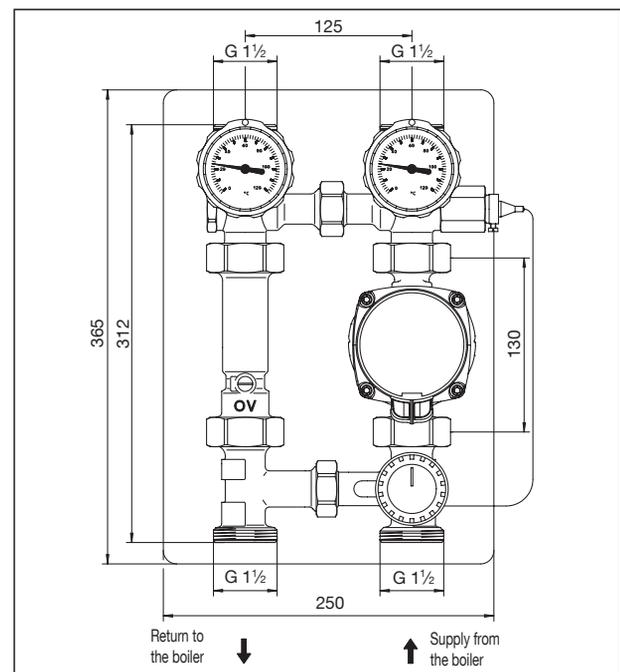
without high-efficiency pump  
with high-efficiency pump (EEI ≤0.2)  
Grundfos ALPHA 2.1 25-60

#### Item no.:

1354171  
1354165



“Regumat F-130” DN 25



Dimensions “Regumat F-130”

System “Regumat F/FR” DN 25		
Model with cast iron high-efficiency pump		Model with bronze high-efficiency 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
Fixed value control unit for sealed systems		Fixed value control unit for open vented systems

Tailpipe sets are available separately.

**Tender specification "Regumat F-180" DN 25:**

Fixed value control unit "Regumat F-180" for flow temperature control of surface heating systems consisting of:  
Isolation device with integrated thermometers, check valve, three-way mixing valve, temperature controller with immersion sensor with a control range of 20 °C up to 50 °C, pump ball valve at the pump inlet, high-efficiency pump 180 mm, electronic pipe contact safety switch and universal thermal insulation of modular construction.

<b>Models:</b>	<b>Item no.:</b>
without high-efficiency pump	1344270
with high-efficiency pump (EEI ≤ 0.2)	
Grundfos ALPHA 2.1 25-60	1354274
Wilo-Stratos PICO 25/1-6	1354276
without high-efficiency pump and	
without pump ball valve	1354070

**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:  
Isolation device with integrated thermometers, check valve, three-way mixing valve, temperature controller with immersion sensor with a control range of 20 °C up to 50 °C, electronic pipe contact safety switch and thermal insulation of modular construction.

<b>Models:</b>	<b>Item no.:</b>
with high-efficiency pump (EEI ≤ 0.2)	
Grundfos ALPHA 2.1 25-60N	1354087
Wilo-Stratos PICO 25/1-6 RG	1354097

**Connection:**

To boiler and surface heating circuit G 1½ flat sealing male thread for tailpipe sets.  
The tailpipe sets are to be ordered separately.

**Function:**

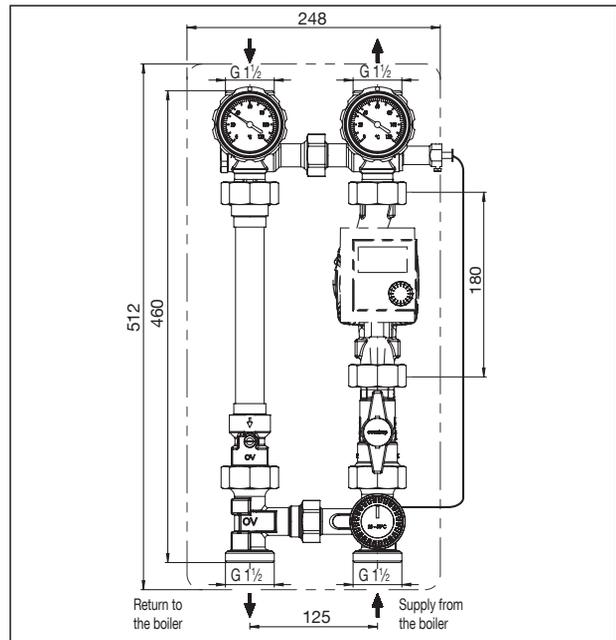
The sensor in the supply pipe controls the mixing valve according to the set flow temperature.  
If the flow temperature is too high, the adjustable electronic pipe contact safety switch switches off the high-efficiency pump and switches it on again when the temperature has dropped.

**Technical data:**

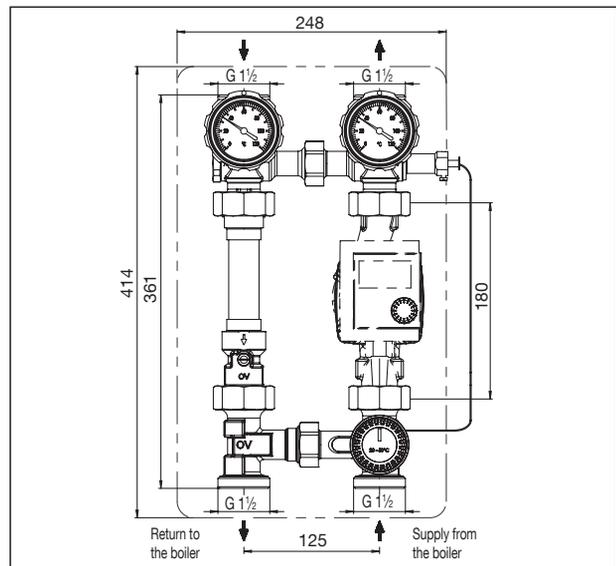
Nominal size:	DN 25
Max. operating pressure:	10 bar
Max. operating temperature for stations with standard thermal insulation:	85 °C
for stations with universal thermal insulation of modular construction:	95 °C
k <sub>vs</sub> value:	2.2
Control range temperature sensor:	20-50 °C
Opening pressure check valve:	20 mbar

Subject to technical modifications without notice.

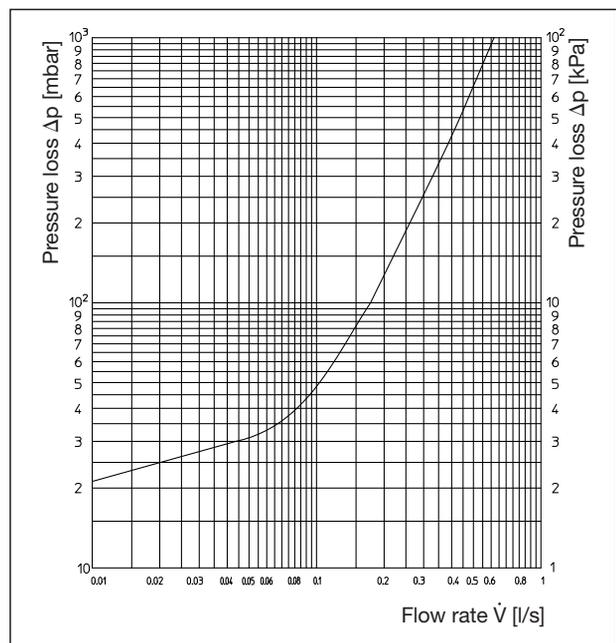
Product range 6  
ti 206-EN/10/MW  
Edition 2017



Dimensions "Regumat F-180"



Dimensions "Regumat FR-180"



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