

The Oventrop boiler connection system “Regumat-180” DN 32 - pump length 180 mm - allows for a time-, cost- and space-saving connection of the boiler to the pipework. The “Regumat-180” stations are supplied without pump.

Advantages:

- pre-assembled connection system for pumps with a length of 180 mm
- high quality materials
- thermal insulation made of expanded polypropylene (EPP) supplied with each “Regumat”
- easy installation by use of tailpipe sets
- no hemp sealing
- supply and return pipe can be changed on site

Choice of the “Regumat-180” stations:

Product assembly DN 32 for pump length 180 mm

The “Regumat-180” which is supplied without pump is available
 - as basic model (without mixing valve)
 - as model with three-way mixing valve and actuator
 The “Regumat” can be upgraded with a pressure relief device.
 Dimensions: H = 471 mm, W = 248 mm, D = 207 mm



“Regumat M3-180” DN 32

	Model <u>without</u> mixing valve	Model <u>with</u> mixing valve
	“Regumat S-180”	“Regumat M3-180”
Isolation device with 2 ball valves and 2 thermometers (without pressure relief device)	X	X
Flanged pipe with check valve	X	X
Three-way mixing valve with actuator (suitable for standard boiler regulations)		X
Distance piece	X	
Thermal insulation	X	X

Tailpipe sets are available as accessories.

Tender specification: "Regumat S-180" DN 32 - constant temperature heating circuit

Product assembly for the connection of the boiler to the pipework.

Consisting of: Isolation device with 2 ball valves for the isolation of the heating circuit, 2 thermometers integrated in the handles for flow and return temperature display. Flanged pipe with check valve in the return pipe to avoid gravity circulation. The station is supplied without pump. Insulation with interchangeable plugs in red and blue for change of supply and return pipe.

Ball valves: Body and stem made of brass with double O-ring seal.
Hard-chrome plated brass balls, PTFE seats, brass collar nuts.
Thermometers integrated in the handles, with position indicator "full flow" respectively "closed".

Connection: To boiler and heating circuit G 2 flat sealing male thread, without collar nuts for tailpipe sets

Technical data:

Nominal size: DN 32
Max. operating temperature: 85 °C
Max. operating pressure: 10 bar
Temperature measuring range: 0 °C up to 120 °C
Opening pressure check valve: 20 mbar
k_{vs} value: 11.3
Pump connection: for pumps with G 2 male thread, pump length 180 mm
Distance between supply and return pipe: 125 mm

Note: On delivery, the supply pipe is on the right hand side. If required, the supply and the return pipe can be changed on site (see installation instructions).

Item no.: 1355072

Function:

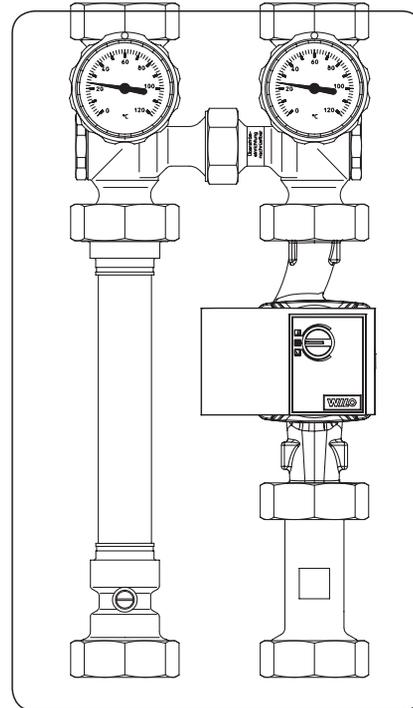
The station "Regumat S-180" for the isolation of the heating circuit consists of an isolation device with thermometers integrated in the handles of the ball valves and a distance piece for length compensation in the supply pipe. If required, the "Regumat" can be upgraded with a pressure relief device.

The flanged pipe with check valve integrated in the return pipe avoids gravity circulation.

Note:

When the pump is switched off, a low gravity circulation depending on the circulation pressure is still possible within the heating system as the check valve is not tight sealing.

To avoid malfunctions caused by impurities, the installation of an Oventrop strainer is recommended. The installation has to be flushed thoroughly before commissioning.



"Regumat S-180"

Tender specification: "Regumat M3-180" DN 32 - variable temperature heating circuit

Product assembly for the connection of the boiler to the pipework.

Consisting of: Isolation device with 2 ball valves for the isolation of the heating circuit, 2 thermometers integrated in the handles for flow and return temperature display. Flanged pipe with check valve in the return pipe to avoid gravity circulation. With three-way mixing valve with mounted actuator for flow temperature control. The station is supplied without pump. Insulation with interchangeable plugs in red and blue for change of supply and return pipe.

- Ball valves:** Body and stem made of brass with double O-ring seal. Hard-chrome plated brass balls, PTFE seats, brass collar nuts. Thermometers integrated in the handles, with position indicator "full flow" respectively "closed".
- Three-way mixing valve:** Body and regulating insert made of brass, shaft of mixing valve with double O-ring seal
- Connection:** To boiler and heating circuit G 2 flat sealing male thread, without collar nuts for tailpipe sets

Technical data:

- Nominal size: DN 32
 Max. operating temperature: 85 °C
 Max. operating pressure: 10 bar
 Temperature measuring range: 0 °C bis 120 °C
 Opening pressure check valve: 20 mbar
 k_{vs} value: 6.1
 Pump connection: for pumps with G 2 male thread, pump length 180 mm

- Actuator:** Voltage 230 V
 Operating time for 90° angle: 140 seconds
 Cable 2.2 m long

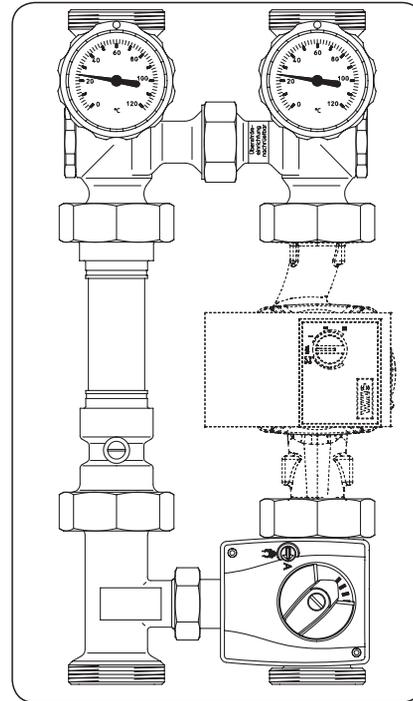
Distance between supply and return pipe: 125 mm

- Note:** On delivery, the supply pipe is on the right hand side. If required, the supply and the return pipe can be changed on site (see installation instructions).

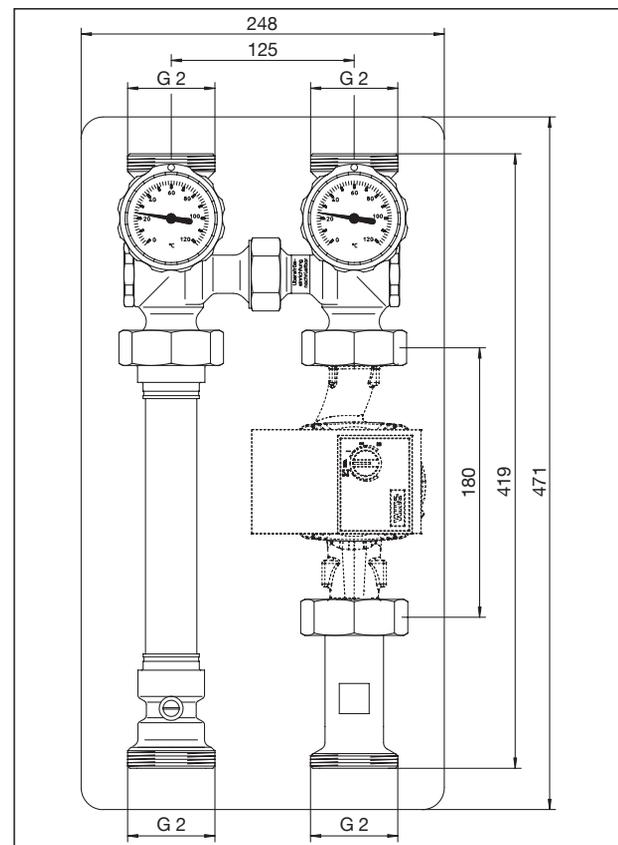
Item no.: 1355272

Function:

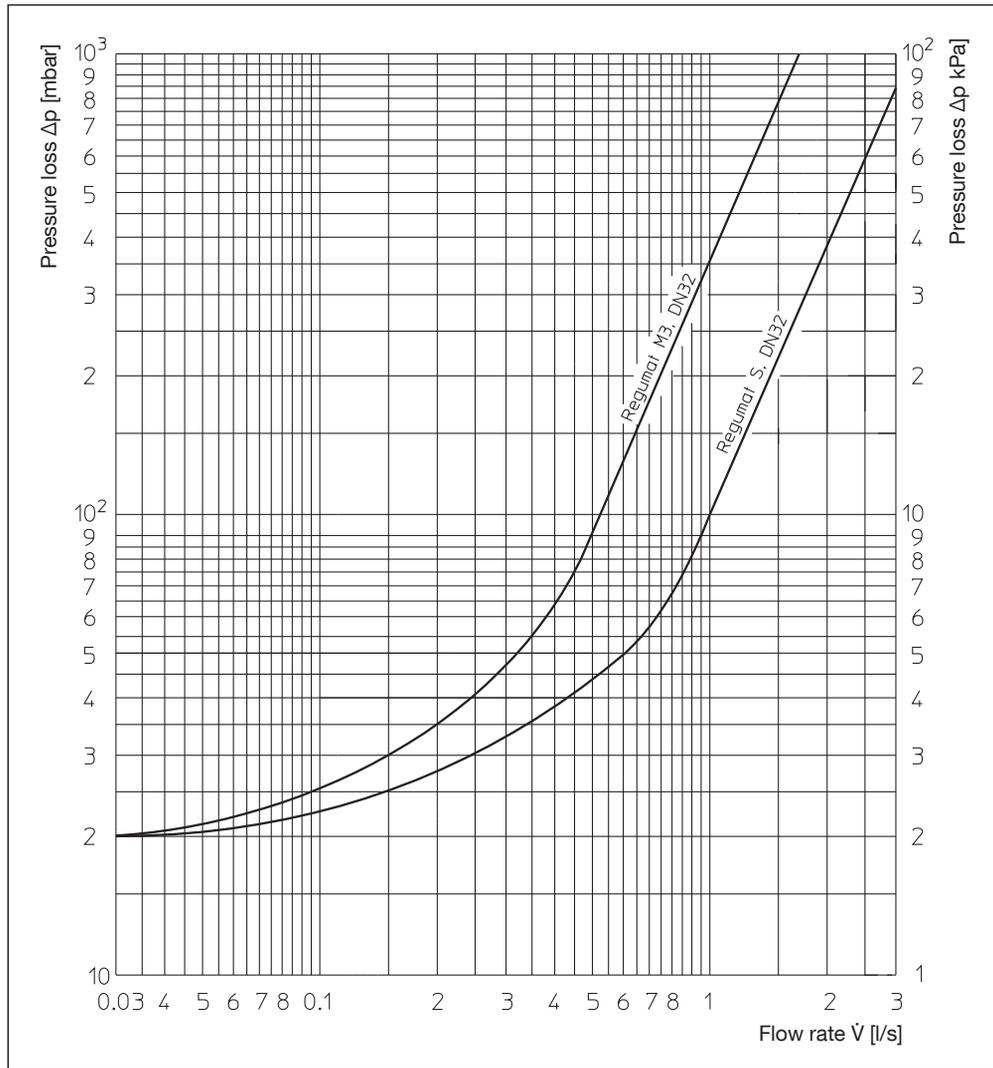
The "Regumat M3-180" has the same design and function as the "Regumat S-180". It is additionally equipped with a three-way mixing valve with mounted actuator. The three-way mixing valve serves to regulate the flow temperature.



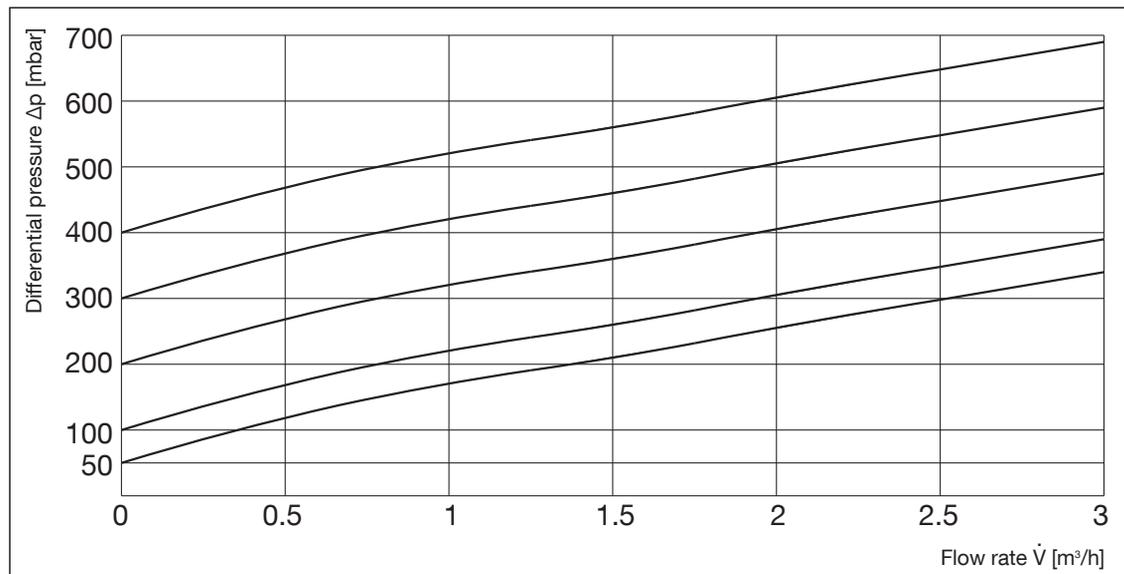
"Regumat M3-180"



Dimensions "Regumat S-180" DN 32



Flow chart "Regumat-180" DN 32



Flow chart bypass (pressure relief device)

Subject to technical modifications without notice.

Product range 6
 ti 234-EN/10/MW
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