

Application:

The Oventrop boiler connection system “Regumat-130” – pump length 130 mm – for a time-, cost- and space-saving connection of the boiler to the pipework. The “Regumat-130” stations are available with or without high-efficiency pumps.

Advantages:

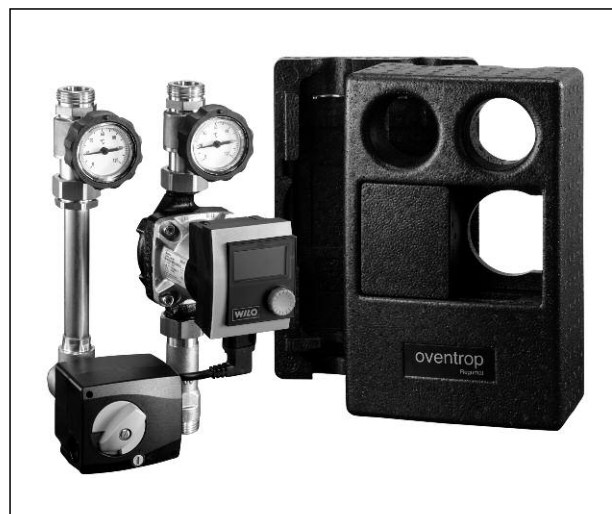
- pre-assembled connection system for pumps with a length of 130 mm
- high quality materials
- universal thermal insulation of modular construction supplied with each “Regumat”
- easy installation by use of tailpipe sets
- no hemp sealing
- integrated wall bracket
- supply and return pipe can be changed on site

Choice of the “Regumat-130” stations:

Product assembly DN 20 for pump length 130 mm

The “Regumat-130” is available with or without high-efficiency pump (energy efficiency class A)
as basic model (without mixing valve)
as model with three-way mixing valve with check valve and actuator

Dimensions: H = 360 mm, W = 230 mm, D = 190 mm



“Regumat M3-130” DN 20

	Model <u>without</u> mixing valve	Model <u>with</u> mixing valve
	“Regumat S-130”	“Regumat M3-130”
Isolation device with 2 ball valves, 2 thermometers and wall mounting device	X	X
Flanged pipe with check valve	X	X
Distance piece	X	
Three-way mixing valve with check valve and actuator (suitable for standard boiler regulations)		X
Insulation	X	X

Tailpipe sets are available as accessories.

Tender specification “Regumat S-130” DN 20

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 and 2 thermometers integrated in the handles for flow and return temperature display and wall mounting device, flanged pipe with check valve in the return pipe to avoid gravity circulation and universal thermal insulation of modular construction.

Materials:

Valves and fittings: Brass
Seals: EPDM

Connections:

To heating circuit: G 1 male thread, flat sealing
To boiler: G 1 male thread, flat sealing
Pump: G 1 male thread, flat sealing

Technical data:

Size: DN 20
Max. operating pressure: 10 bar (PN10)
Max. operating temperature: 95 °C
Opening pressure check valve: 20 mbar
k_{vs} value: 5.8
Recommended application range: max. 42 kW
($\Delta T = 20\text{ K}$, $\Delta p = 100\text{ mbar}$)

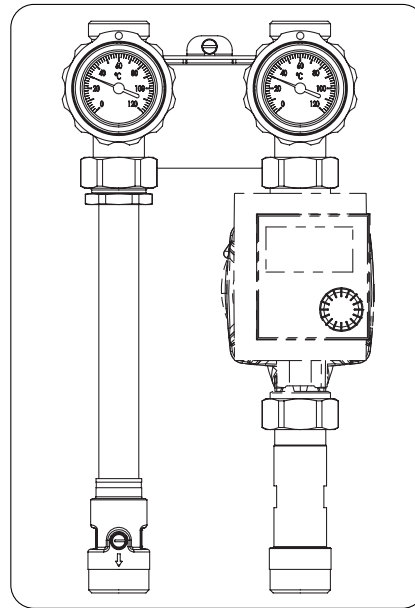
Function:

The station “Regumat S-130” consists of an isolation device with thermometers integrated in the handles of the ball valves to shut off the heating circuit and a distance piece for length compensation in the supply pipe. The flanged pipe with check valve is integrated in the return pipe and avoids gravity circulation.

Note:

When the circulation 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. 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).

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



“Regumat S-130”

Tender specification “Regumat M3-130” DN 20

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 and 2 thermometers integrated in the handles for flow and return temperature display and wall mounting device, flanged pipe with check valve in the return pipe to avoid gravity circulation, three-way mixing valve with check valve and mounted actuator as well as universal thermal insulation of modular construction.

Materials:

Valves and fittings: Brass
Seals: EPDM

Connections:

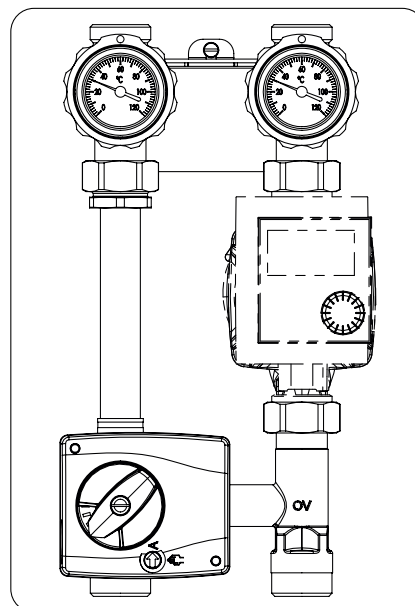
To heating circuit: G 1 male thread, flat sealing
To boiler: G 1 male thread, flat sealing
Pump: G 1 male thread, flat sealing

Technical data:

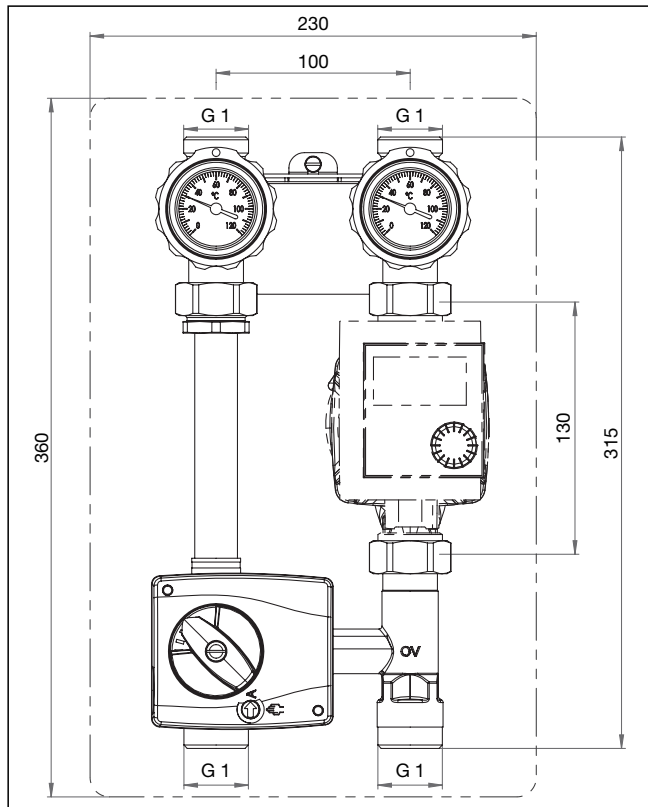
Size: DN 20
Max. operating pressure: 10 bar (PN10)
Max. operating temperature: 95 °C
Opening pressure check valve: 20 mbar
Actuator: 230 V, 90°/140 sec., 5Nm
k_{vs} value: 5.1
Recommended application range: max. 37 kW
($\Delta T = 20\text{ K}$, $\Delta p = 100\text{ mbar}$)

Function:

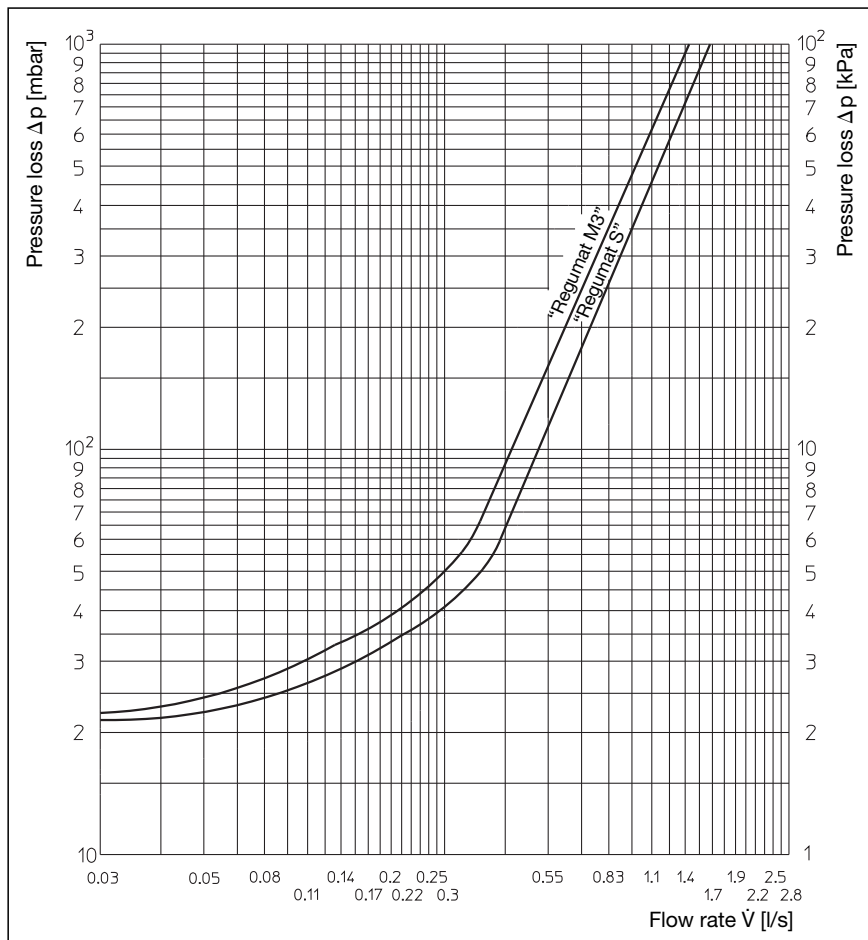
The “Regumat M3-130” has the same design and function as the “Regumat S-130”. It is additionally equipped with a three-way mixing valve with check valve and actuator. The three-way mixing valve serves to regulate the flow temperature.



“Regumat M3-130”



Dimensions "Regumat M3-130" DN 20



Flow chart

Subject to technical modification without notice.

Product range 6
ti 289-EN/10/MW
Edition 2015

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