

Application:

The Oventrop boiler connection system “Regumat-220” - pump length 220 mm – allows for a time- and space-saving connection of the boiler to the pipework. The “Regumat 220” stations are available with or without high-efficiency pump.

Advantages:

- pre-assembled connection system for pumps with a length of 220 mm with flanged connection DN 40/PN 10
- easy removal of the high-efficiency pump with the help of the additional pump ball valve
- pump ball valve with draining/flushing valve
- isolating ball valve for the return pipe with integrated check valve which can be opened manually
- universal thermal insulation of modular construction supplied with each “Regumat”
- supply and return pipe can be changed on site

Choice of the “Regumat-220” stations:

Product assembly DN 40 for pump length 220 mm

The “Regumat-220” is available with or without high-efficiency pump

- as basic model (without mixing valve)
- as model with three-way mixing valve and actuator

Dimensions: H = 850 mm, W = 428 mm, D = 340 mm (depending on the installed pump)



“Regumat-220” DN 40

	Model <u>without</u> mixing valve	Model <u>with</u> mixing valve
	“Regumat S-220”	“Regumat M3-220”
Isolating ball valve for the supply pipe with thermometer and draining/flushing valve	X	X
Isolating ball valve for the return pipe with integrated check valve, thermometer and draining/flushing valve	X	X
Pump ball valve with draining/flushing valve	X	X
Distance piece	X	
Three-way mixing valve with actuator (suitable for standard boiler regulations)		X
Thermal insulation	X	X

Tailpipe sets are available as accessories.

Tender specification: "Regumat S-220" DN 40

Product assembly for the connection of the boiler to the pipework. Consisting of: Isolating ball valve for the supply pipe with thermometer for flow temperature display and draining/flushing valve, isolating ball valve for the return pipe with thermometer for return temperature display, integrated check valve to avoid gravity circulation and draining/flushing valve, pump ball valve with draining/flushing valve and universal thermal insulation of modular construction.

Function:

The station allows for the isolation of the supply and return pipe of the heating circuit and a replacement of the pump while the system is pressurized. On delivery, the supply pipe is on the left 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 commissioning.

Materials:

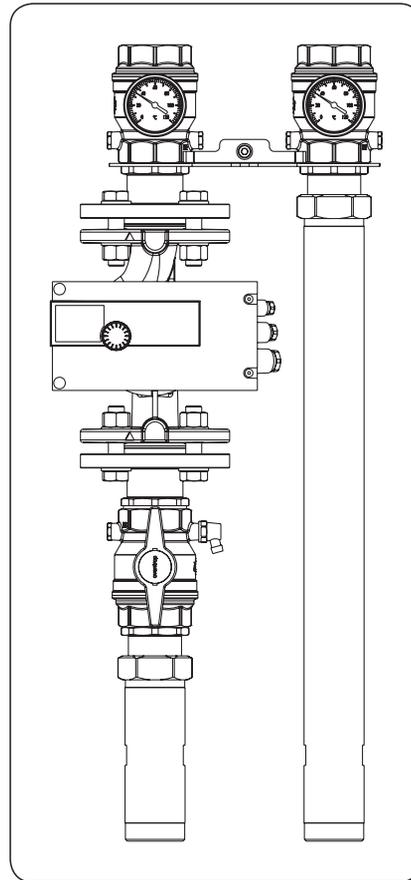
Valves and fittings: Brass
Flanged pipe: Galvanized steel
Seals: EPDM

Connections:

To heating circuit: G 2 female thread
To boiler: G 2 male thread, flat sealing
Pump: Flanged connection DN 40/PN 10

Technical data:

Nominal size: DN 40
Max. operating pressure: 10 bar (PN 10)
Max. operating temperature: 95 °C
Opening pressure check valve: 20 mbar
k_{vs} value: 29.3
Recommended application range: max. 200 kW
($\Delta T = 20 \text{ K}$, $\Delta p = 100 \text{ mbar}$)



"Regumat S-220" DN 40

Tender specification: "Regumat M3-220" DN 40

Product assembly for the connection of the boiler to the pipework. Consisting of: Isolating ball valve for the supply pipe with thermometer for flow temperature display and draining/flushing valve, isolating ball valve for the return pipe with thermometer for return temperature display, integrated check valve to avoid gravity circulation and draining/flushing valve, pump ball valve with mounted actuator for flow temperature control and universal thermal insulation of modular construction.

Function:

The station allows for the isolation of the supply and return pipe of the heating circuit and a replacement of the pump while the system is pressurized. On delivery, the supply pipe is on the left 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 commissioning.

Materials:

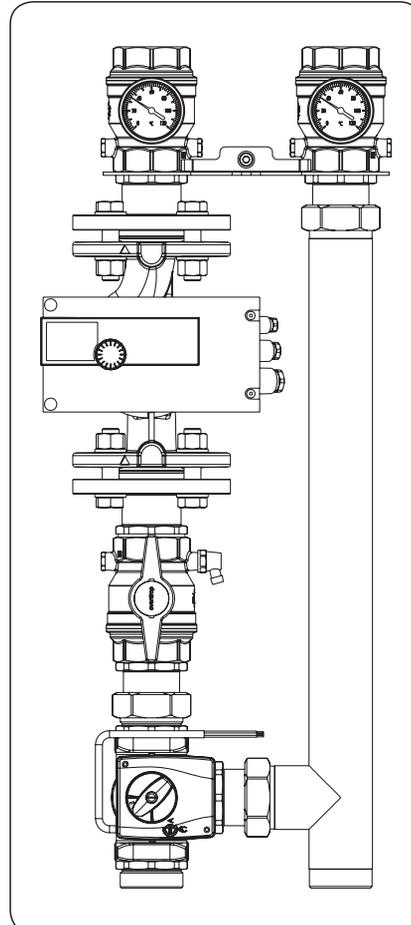
Valves and fittings: Brass
Flanged pipe: Galvanized steel
Seals: EPDM

Connections:

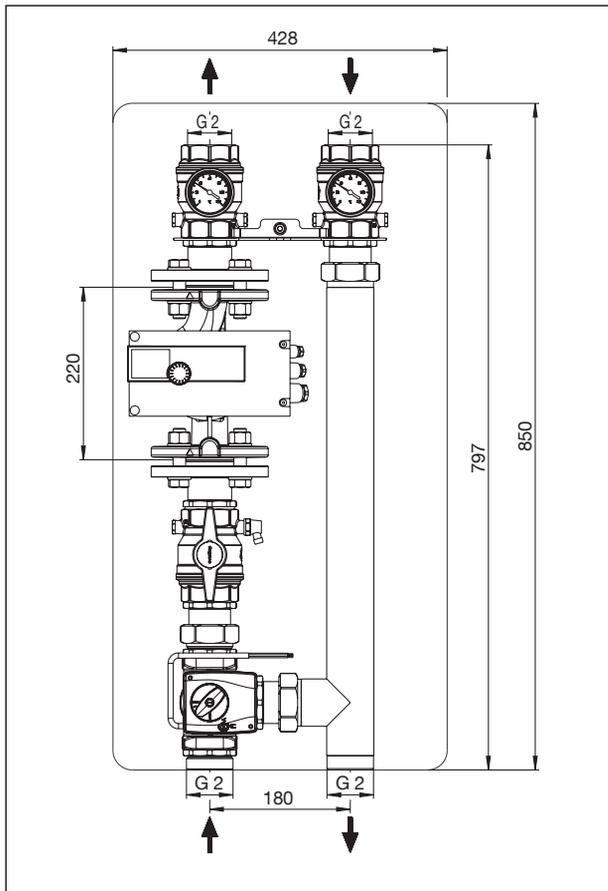
To heating circuit: G 2 female thread
To boiler: G 2 male thread, flat sealing
Pump: Flanged connection DN 40/PN 10

Technical data:

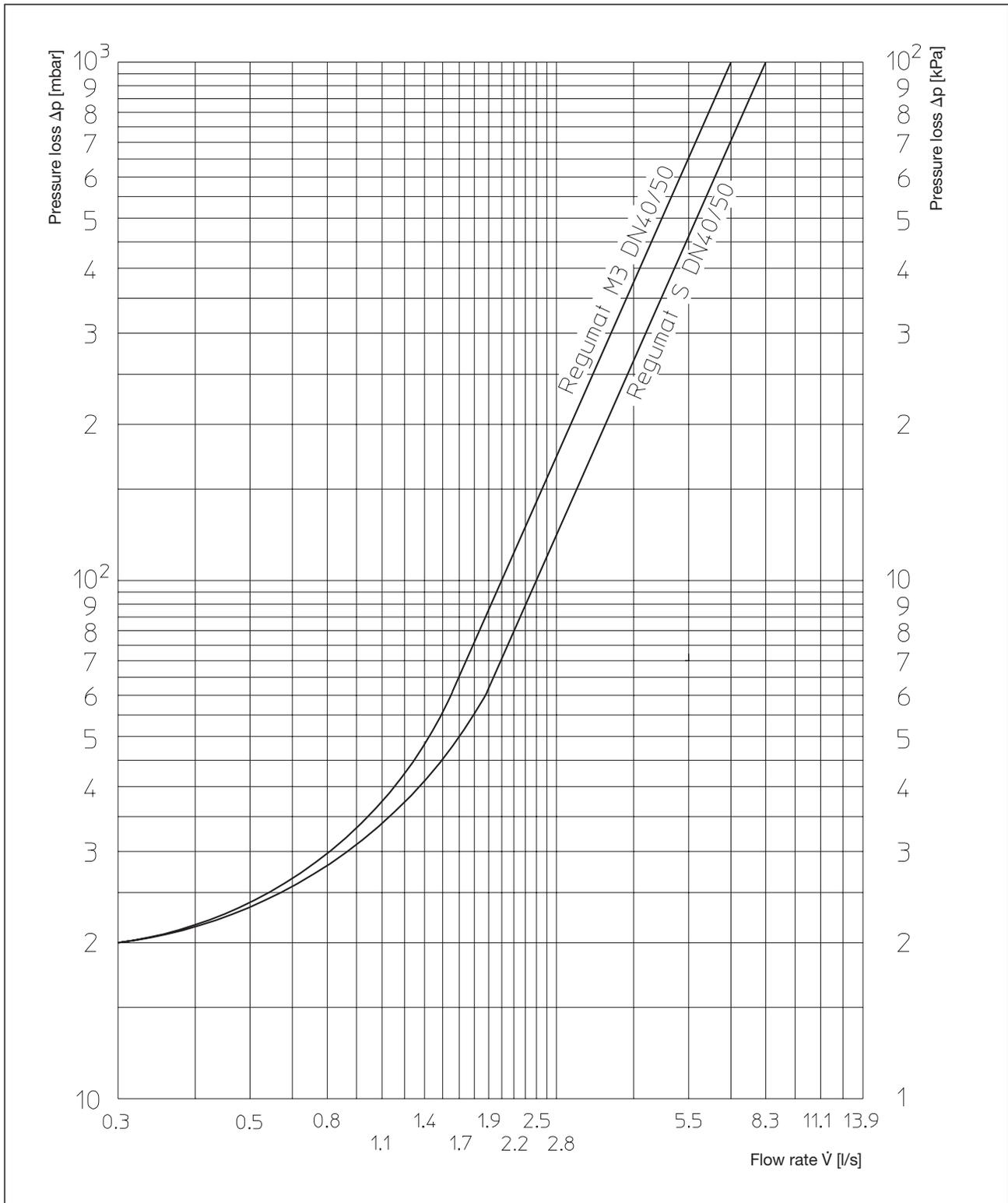
Nominal size: DN 40
Max. operating pressure: 10 bar (PN 10)
Max. operating temperature: 95 °C
Opening pressure check valve: 20 mbar
Actuator: 230 V, 90°/140 sec., 15 Nm
k_{vs} value: 24.8
Recommended application range: max. 175 kW
($\Delta T = 20 \text{ K}$, $\Delta p = 100 \text{ mbar}$)



"Regumat M3-220" DN 40



Dimensions "Regumat M3-220" DN 40



Flow chart

Subject to technical modifications without notice.

Product range 6
 ti 250-EN/10/MW
 Edition 2017