

Application:

Oventrop connection groups for a time- and cost-saving connection of a heat pump to the heating system and/or a buffer storage cylinder.

Advantages:

- pre-assembled connection system for pumps with a length of 180 mm
- high quality materials
- insulation supplied with each connection group
- easy installation by use of tailpipe sets
- no hemp sealing

Choice of the connection groups:

Product assembly DN 25 for pump length 180 mm

Two models are available:

1. Buffer storage cylinder connection group for the connection of the heat pump to the heating system and a buffer storage cylinder
2. Heating circuit connection group for the connection of the heat pump to the heating circuit

Dimensions: H = 512 mm, W = 248 mm, D = approx. 200 mm



Stations for heat pumps

	Buffer storage cylinder connection group	Heating circuit connection group
Isolation device with 2 ball valves and 2 thermometers (without differential pressure relief device)	X	X
Pump ball valve	X	X
Elbow for the connection to the buffer storage cylinder	X	
Flanged pipe with check valve		X
Connection set safety group/ diaphragm expansion tank	X	X
Insulation	X	X

Tender specification:

Buffer storage cylinder connection group DN 25

The Oventrop buffer storage cylinder connection group allows a cost- and time-saving connection of the heat pump to the buffer storage cylinder.

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 temperature display, 1 pump ball valve for the isolation during pump replacement, 2 elbows for the connection to the buffer storage cylinder, connection set for the connection of a safety group of a diaphragm expansion tank and thermal insulation of modular construction.

Function:

The station allows the isolation of the heating supply circuit and replacement of the pump while the system is pressurized.

To avoid malfunctions caused by impurities, the installation of an Oventrop strainer is recommended.

The installation has to be flushed thoroughly before initial operation.

Materials:

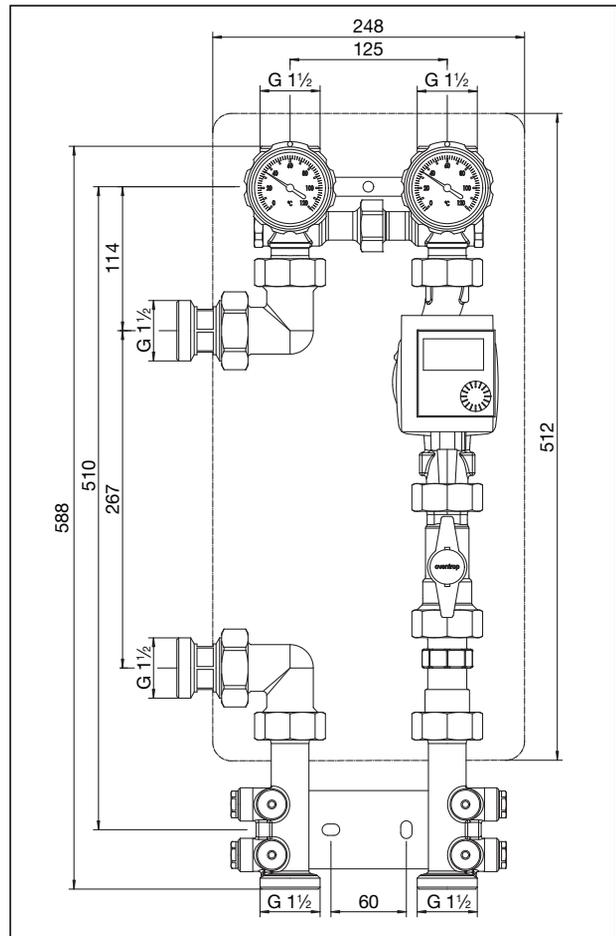
Valves and fittings:	Brass
Seals:	EPDM
Pump:	Cast iron body
Insulation:	EPP (expanded polypropylene)

Technical data:

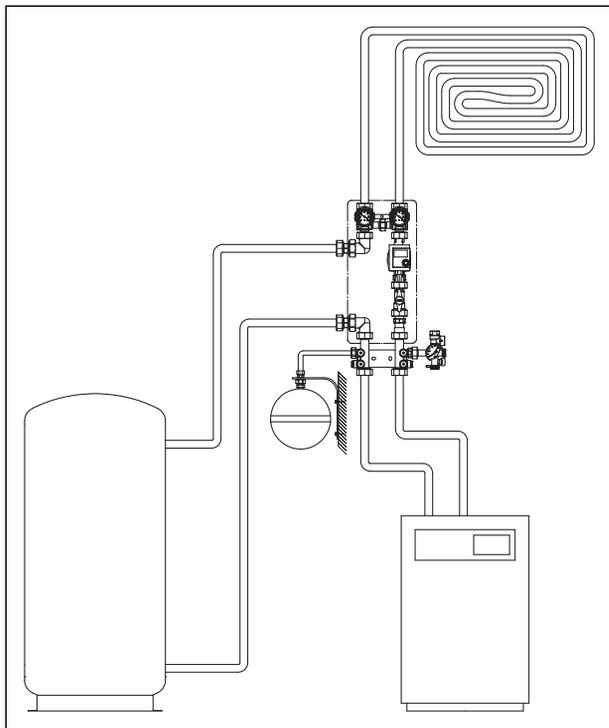
Size:	DN 25
Max. operating pressure:	10 bar (PN10)
Max. operating temperature:	95 °C
Opening pressure check valve:	20 mbar
k_{vs} value:	7.4
Connections:	G 1½ male thread, flat sealing
Distance between pipe centres:	125 mm

Fluids: Non-aggressive fluids (e.g. water and suitable water and glycol mixtures according to VDI 2035). Not suitable for steam, oily and aggressive fluids.

Item no.: 1356872



Dimensions buffer storage cylinder connection group



System illustration buffer storage cylinder connection group

Tender specification:**Heating circuit connection group DN 25**

The Oventrop heating circuit connection group allows a cost- and time-saving connection of the heat pump to the heating circuit.

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 temperature display, 1 pump ball valve for the isolation during pump replacement, flanged pipe with check valve, connection set for the connection of a safety group of a diaphragm expansion tank and thermal insulation of modular construction.

Function:

The station allows the isolation of the heating supply and return circuit and replacement of the pump while the system is pressurized.

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).

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.

To avoid malfunctions caused by impurities, the installation of an Oventrop strainer is recommended.

The installation has to be flushed thoroughly before initial operation.

Materials:

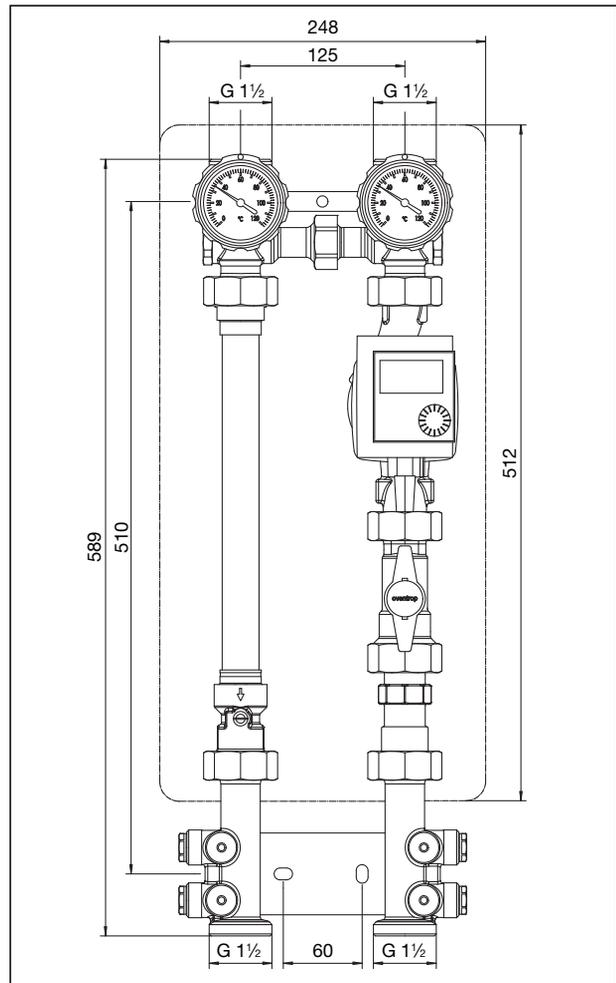
Valves and fittings:	Brass
Flanged pipe:	Copper
Seals:	EPDM
Pump:	Cast iron body
Insulation:	EPP (expanded polypropylene)

Technical data:

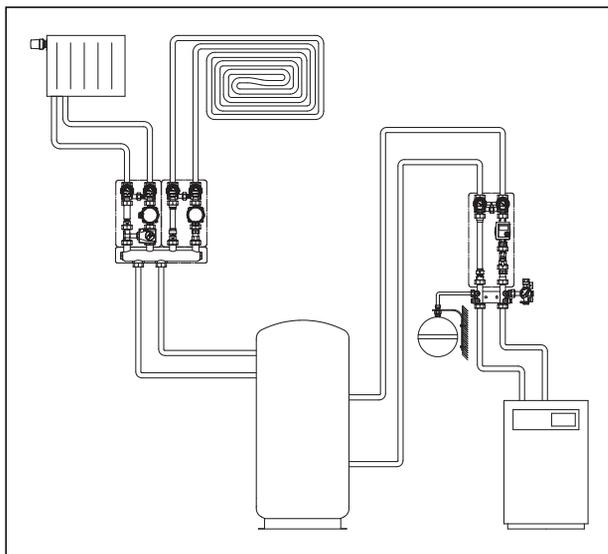
Size:	DN 25
Max. operating pressure:	10 bar (PN 10)
Max. operating temperature:	95 °C
Opening pressure check valve:	20 mbar
k_{vs} value:	7.4
Connections:	G 1½ male thread, flat sealing
Distance between pipe centres:	125 mm

Fluids: Non-aggressive fluids (e.g. water and suitable water and glycol mixtures according to VDI 2035). Not suitable for steam, oily and aggressive fluids.

Item no.: 1356972



Dimensions heating circuit connection group



System illustration heating circuit connection group

Subject to technical modification without notice.

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