

1 Description

The DDV dual differential pressureless manifold functions like an interface between the heat pump, the heating distribution system, the buffer tank and, in some cases, even the domestic hot water cylinder. In order to simplify the installation, a compact system is used rather than multiple different components.

Consisting of 2 stop-cocks, 2 bypass pipes with return flow inhibitor (2000 Pa start-to-leak pressure), safety module with pressure gauge and connection options for expansion vessel. Installation

option for circulating pump (pump not included in the scope of supply).

To reduce the pump operating times, the heat circulating pump is only operated with the compressor. In this case, the return flow sensor included in the scope of supply must be installed in the immersion sleeve provided, and connected. The consumer circuit requires a separate circulating pump due to the hydraulic isolation.

2 Dimensions and Individual Component Description DDV 25 / DDV 32

Scope of Delivery DDV 25

- 1) Connection heating circuits 1 1/2" F
- 2) Connections for heat pump 1 1/4" external thread
- 3) Position charge pump DN 25 (not contained within the scope of delivery)
- 4) Connectors buffers 1 1/4" F
- 5) Connections for hot water storage system 1 1/4" external thread
- 6) Turn cock 1"
- 6.1) Stop cock 1" with non-return flap valve
- 7) Pressure gauge
- 8) Safety valve 3/4" F
- 9) T-piece for assembly of the expansion tank 3/4" external thread
- 10) One-way valve
- 11) Immersion sleeve for return sensor (observe sensor characteristics)
- 12) Insulation
- 13) Double nipple 1"

Temperature sensor NTC 10 and NTC 2 is included in the scope of supply!!!

Scope of Delivery DDV 32

- 1) Connection heating circuits 1 1/2" F
- 2) Connections for heat pump 1 1/4" external thread
- 3) Position charge pump DN 32 (not contained within the scope of delivery)
- 4) Connectors buffers 1 1/4" F
- 5) Connections for hot water storage system 1 1/4" external thread
- 6) Turn cock 1 1/4"
- 6.1) Stop cock 1 1/4" with non-return flap valve
- 7) Pressure gauge
- 8) Safety valve 3/4" F
- 9) T-piece for assembly of the expansion tank 3/4" external thread
- 10) One-way valve
- 11) Immersion sleeve for return sensor (observe sensor characteristics)
- 12) Insulation
- 13) Double nipple 1 1/4"

Temperature sensor NTC 10 and NTC 2 is included in the scope of supply!!!

