

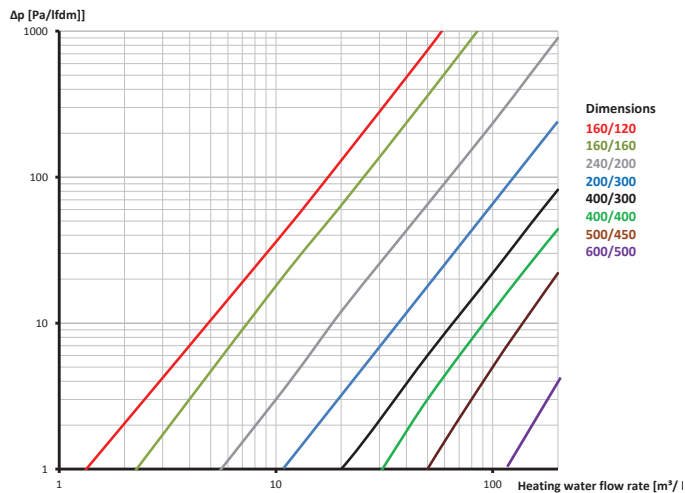
Technical data sheet

Dual-chamber manifold with 90° bends

Combined flow and return manifold with 90° bends, consisting of two rectangular tubes welded to one another with flow and return chambers arranged opposite one another (flow on one side and return on the other), made from black sheet steel S235. The threaded and/or flanged nozzles PN 6/PN 16 are aligned to the height of the shut-off valves and are directed upwards by means of 90° bends. Drainage bushings for flow and return chambers are provided as standard. The dual-chamber manifold is 100% tightness tested and primed before leaving the factory.

Pressure loss in flow and return

Pressure loss diagram to show the corresponding pressure loss dependent on the water throughput for the given chamber size.



Manufacturer certification

Description	Dual-chamber manifold with 90° bends
Design pressure	up to 6 bar
Design temperature	0/+110 °C
Design procedure	Article 4, Paragraph 3
Manufacturer	Sinusverteiler GmbH Dieselweg 2 48493 Wettringen/Germany

We declare under our sole responsibility that the pressure equipment meets the requirements of Directive 2014/68/EU. This product was manufactured in accordance with the principles of GEP "Good Engineering Practice".

Type	Power at ΔT 20 K	Heating water flow rate	Water capacity	Weight Main body	Heat transfer at 70° /50 °C		Return increase	Largest nozzle	Nozzle spacing	Wall thickness
[WxH]	[kW]	[m³/h]	[litres/running metre]	[kg/running metre]	[kW/running metre]	[%]	[K/running metre]	[DN]	[mm]	[mm]
160/120	485	21.0	16.0	24.0	3.1	0.6	0.1	DN 80	variable	4
160/160	650	28.0	21.8	29.2	3.5	0.5	0.1	DN 125	variable	4
240/200	1200	52.0	43.0	39.2	4.6	0.4	0.07	DN 150	variable	4
200/300	1500	65.0	54.1	46.0	4.6	0.3	0.06	DN 250	variable	6
400/300	3000	130.0	108.2	92.0	6.4	0.2	0.04	DN 250	variable	6
400/400	4000	172.0	145.8	110.8	7.3	0.2	0.04	DN 350	variable	6
500/450	5580	240.0	203.0	129.6	8.0	0.1	0.03	DN 400	variable	8
600/500	7500	325.0	275.0	150.0	8.5	0.1	0.02	DN 400	variable	8