

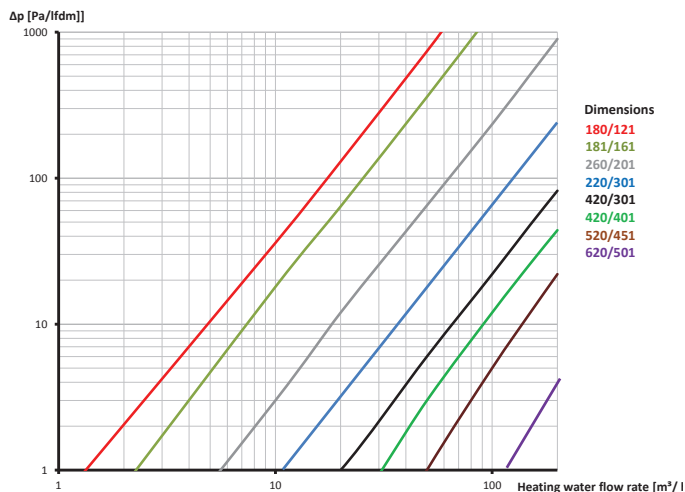
Technical data sheet

Dual-chamber manifold with 90° bends thermally separated

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, with thermal separation. 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, thermally separated
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]
180/121	485	21.0	16.0	24.0	0.004	0.0008	0.0002	DN 80	variable	4
181/161	650	28.0	21.80	29.20	0.005	0.0008	0.0002	DN 125	variable	4
260/201	1200	52.0	43.0	39.2	0.006	0.0005	0.0001	DN 150	variable	4
220/301	1500	65.0	54.1	46.0	0.01	0.0006	0.0001	DN 250	variable	6
420/301	3000	130.0	108.2	92.0	0.01	0.0006	0.0001	DN 250	variable	6
420/401	4000	172.0	145.8	110.8	0.01	0.0003	0.0001	DN 350	variable	6
520/451	5580	240.0	203.0	129.6	0.01	0.0003	0.0001	DN 400	variable	8
620/501	7500	325.0	275.0	150.0	8.5	0.1	0.02	DN 400	variable	8