

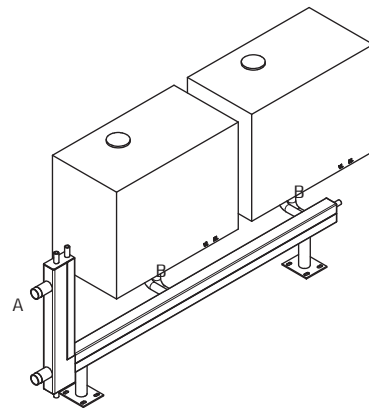
Technical data sheet

Cascade unit

Manifold/collector tube for receiving the boiler connections from two profile tubes one above the other, material S235 with welded-in end covers and drainage bushings 1/2". Depending on the installation type, a hydraulic separator is permanently connected to the left or right of the manifold/collector tube as a unit. Hydraulic separator made from hollow rectangular profile S235 with two lateral nozzles for connection to the secondary heating circuits. Sensors and 1/2" drainage bushings are provided as standard. The heating boiler is connected by means of 90° bends directed downwards so that all types and sizes of boiler can be installed. The cascade unit is 100% tightness tested and primed before leaving the factory. Fixed supporting foot in standard design with 200 mm installation height.

Manufacturer certification	
Description	Cascade unit
Design pressure	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".

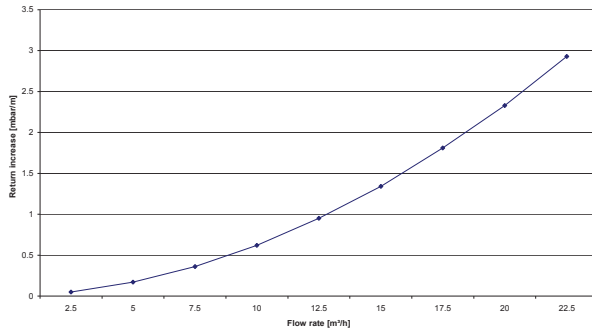


Type	Heating water flow rate	Power at ΔT 15 K	Connection Secondary side A	Heating boiler connection Primary side B
[mm]	[m³/h]	[kW]		
120/80	8.6	150	2" external thread	2 or 3
160/80	14.3	250	Flange PN 6 DN 65	
200/120	21.8	600	Flange PN 6 DN 80	2 or 3
200/120	34.4	600	Flange PN 6 DN 100	

Pressure loss in flow and return

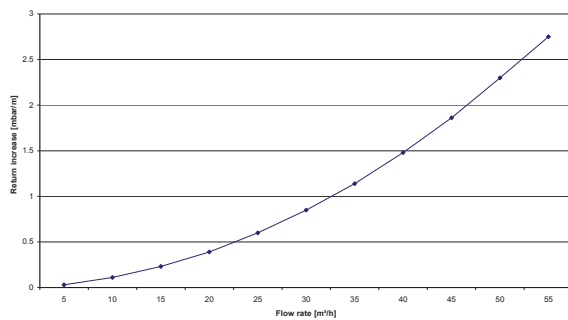
Pressure loss diagram to show pressure loss dependent on the water throughput.

Type 120/80



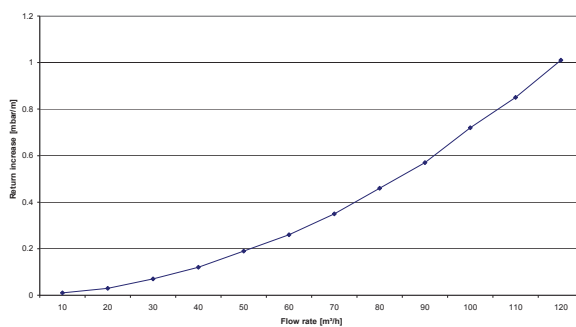
Pressure loss in flow and return

Type 160/80



Pressure loss in flow and return

Type 200/120



Pressure loss in flow and return