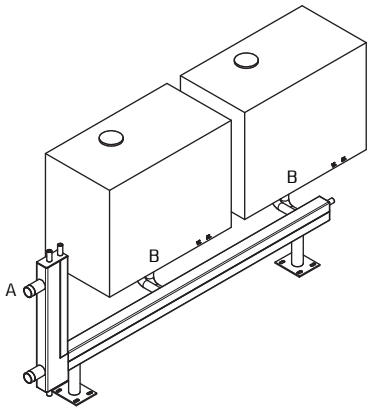
Technical data

Cascade Unit

Manifold/collecting pipe for receiving boiler connections from two superposed profiled pipes, S235 material with welded end caps and ¾'' drain couplings. Depending on the Type of assembly, there is a hydronic junction firmly connected as a unit with the manifold/collecting pipe on the left or right hand side. Hydronic Junction made of S235 square hollow profile with two lateral connecting pieces for connecting to the secondary heating circuits. ½'' couplings for emptying and sensing elements are provided as a standard feature. The connection of heating boilers is implemented through rearwards guided 90° pipe elbows. Thus all Types of boilers and boiler sizes can be installed. The Sinus Cascade Unit is factory pressure tested and primed. Fixed foot in standard design, 200 mm installation height.

Contact certification	
Type	Cascade Unit
Operating pressure	max. 6 bar or 90 psi
Operating temperature	max. 0/+110°C or 230°F
Contact	Sinus North America 321 Shoemaker St Kitchener, ON, N2E 3B3 CANADA

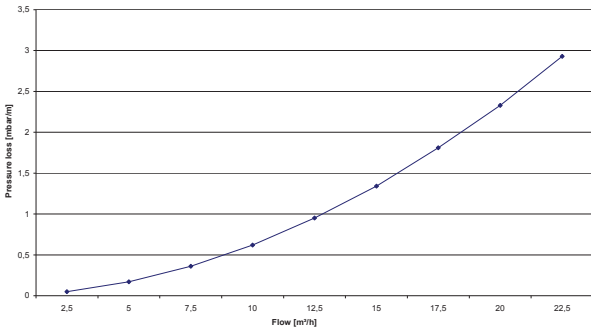


Type	Flow rate		Capacity at ΔT 15 K		Boiler connection	
[mm]	[m³/h]	[gpm]	[kW]	[MBH]	[DN]	[in inch]
120/80	7.0	30.8	150	511.8	–	2'' NPT
160/80	8.6	37.9	250	853.0	–	2'' NPT
160/80	14.3	63.0	250	853.0	65	2 ½'' NPT
200/120	21.8	96.0	600	2,047.3	80	3'' NPT
200/120	34.4	151.5	600	2,047.3	100	4'' NPT

Pressure loss in flow and return

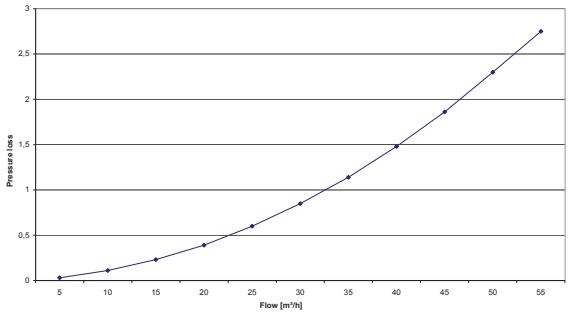
Pressure loss diagram illustrating the respective pressure drop depending on the water flow rate

Type 120/80



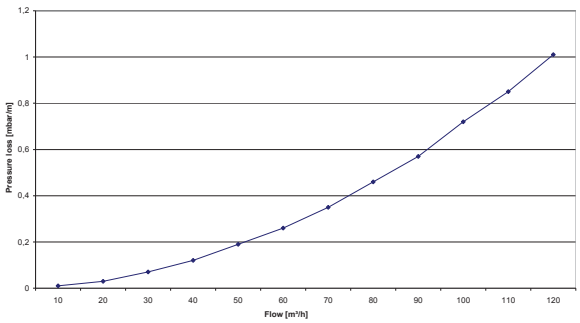
Pressure loss in flow and return

Type 160/80



Pressure loss in flow and return

Type 200/120



Pressure loss in flow and return