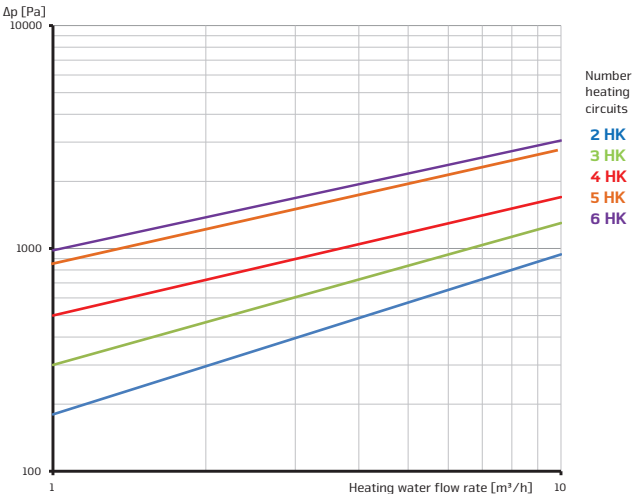
Technical data

Boiler manifold 80/60 with union nut – Pipe distance (OC) 125mm (4 11/16“)

Combined flow and return manifold consisting of rectangular tubing with chambers made of black sheet steel S235 arranged adjacent to one another and separated by sinusoidal parting wall. The compact manifold is factory pressure tested and primed.

Pressure loss in flow and return

Pressure loss diagram illustrating the respective pressure drop depending on the water flow rate at given number of heating circuits.



Contact certification	
Type	Boiler manifold 80/60
Operating pressure	max. 4 bar or 58 psi
Operating temperature	max. 0/+110°C or 230°F
Contact	Sinus North America 321 Shoemaker St Kitchener, ON, N2E 3B3 CANADA

Number of heating circuits	Length		Capacity at ΔT 20 K		Heating water flow rate		Water content		Heat transfer at 70°/50° C (158°/122°F)			Return increase	Connection heating circuits/boiler circuit	Pipe distance (OC)		Wall thickness	
[HC]	[mm]	[in inch]	[kW]	[Btu]	[m³/h]	[gpm]	[liter]	[gal]	[kW]	[Btu]	[%]	[K]	[in inch]	[mm]	[in inch]	[mm]	[in inch]
2	475	18.7	70	238.8	3.0	10.7	1.9	0.50	1.0	3.41	1.4	0.3	Flare and 1 ½" union nut/1 ½" NPT	125	4 11/16“	2.5	1/10“
3	725	28.5	70	238.8	3.0	10.7	3.0	0.79	1.5	5.12	2.1	0.4	Flare and 1 ½“ union nut/1 ½“ NPT	125	4 11/16“	2.5	1/10“
4	975	38.4	70	238.8	3.0	10.7	4.0	1.06	1.9	6.48	2.7	0.6	Flare and 1 ½“ union nut/1 ½‘ NPT	125	4 11/16“	2.5	1/10“
5	1,225	48.2	70	238.8	3.0	10.7	5.0	1.32	2.4	8.19	3.4	0.7	Flare and 1 ½“ union nut/1 ½‘ NPT	125	4 11/16“	2.5	1/10“
6	1,475	58.1	70	238.8	3.0	10.7	6.0	1.59	2.9	9.90	4.1	0.8	Flare and 1 ½“ union nut/1 ½“ NPT	125	4 11/16“	2.5	1/10“
7	1,725	67.9	70	238.8	3.0	10.7	8.3	2.19	3.3	11.26	4.7	0.9	Flare and 1 ½“ union nut/1 ½“ NPT	125	4 11/16“	2.5	1/10“
8	1,975	77.8	70	238.8	3.0	10.7	9.5	2.51	3.7	12.62	5.3	1.0	Flare and 1 ½“ union nut/1 ½“ NPT	125	4 11/16“	2.5	1/10“