

Technical data

SinusFixx Compact manifold

Hydronic sinus manifold made of square profiles, 37-2 steel with welded endpieces. Sinus-Fixx manifold as combined flow and return manifold with adjacent chambers divided by sinusoidal parting wall. NPTor flansh for connecting the heating circuits. The SinusFixx Compact manifold was pressure tested and primed in our factory.

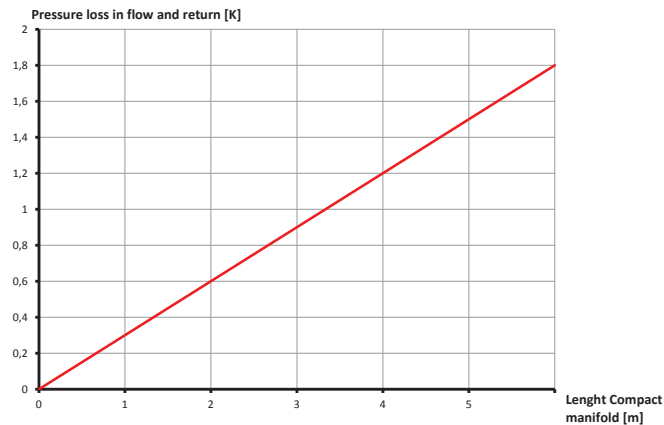
Contact certification	
Type	SinusFixx Compact manifold
Operating pressure	max. 4 bar or 58 psi
Operating temperature	max. 110°C or 230°F
Contact	Sinus North America 321 Shoemaker St Kitchener, ON, N2E 3B3 CANADA

Type	Heating water flow rate		Water content		Heat transfer at 70°/50°C (158°/122°F)			Return increase	Weight basic body		Pipe distance (OC)		Wall thickness		
	[mm]	[m³/h]	[gpm]	[liter]	[gal]	[kW/rm]	[Btu]		[%]	[K/rm]	[kg/rm]	[lbs/rm]	[mm]	[in inch]	[mm]
160/80		10.8	47.5	10.0	2.6	2.6	8.9	1.7	0.3	16.4	36.2	250 or 300	11 13/16" or 9 13/16"	4.0	0.2
200/120		25.8	113.6	21.5	5.7	4.3	14.7	1.0	0.2	22.6	49.8	250 or 300	11 13/16" or 9 13/16"	4.0	0.2

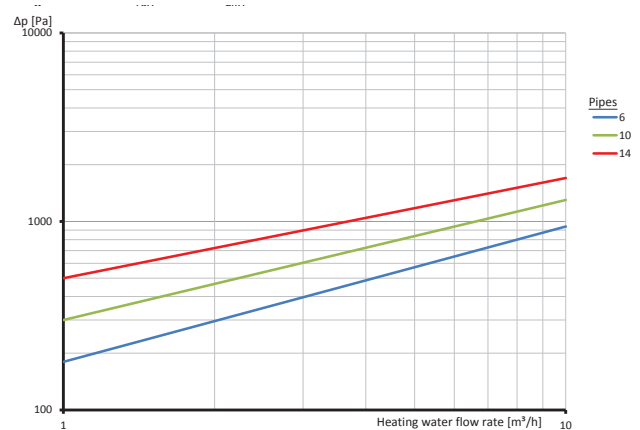
Heat transfer and pressure drop between supply and return chamber

Heat transfer diagrams illustrating the return temperature increase in Kelvin [K] per meter Manifold length and pressure loss diagrams illustrating the respective pressure drop depending on the water flow rate at given numbers of pipes.

Type 160/80

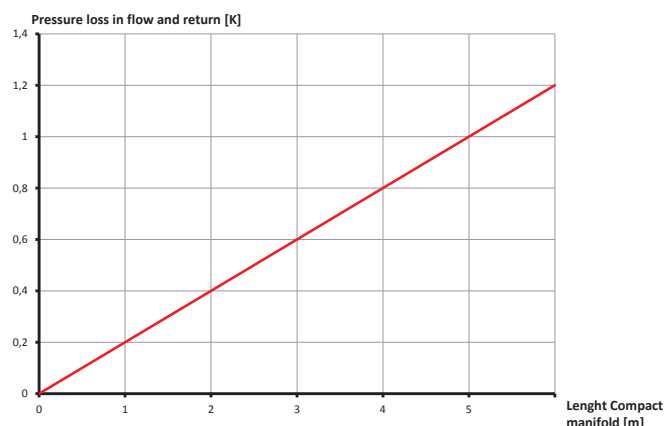


Heat transfer between flow and return

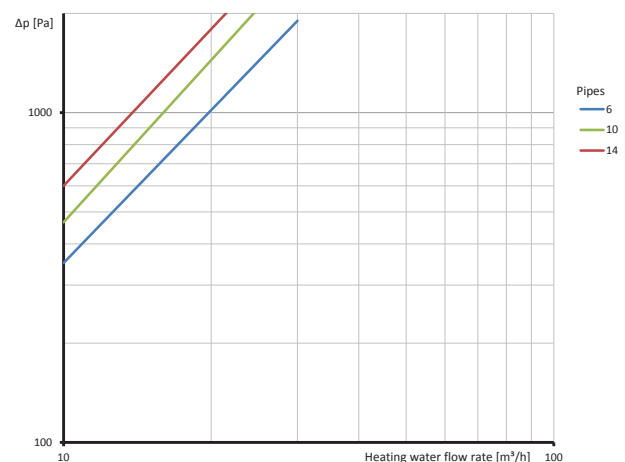


Pressure loss in flow and return

Type 200/120



Heat transfer between flow and return



Pressure loss in flow and return