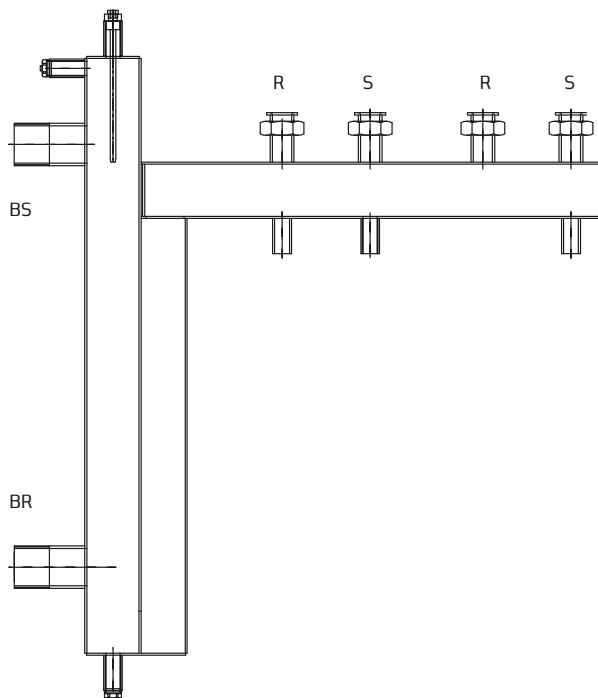


## Technical data

# Hydronic Unit 120/80 with union nut Manifold with Hydronic Junction

Hydronic junction with directly welded sinus manifold made of square profiles 80/60, 37-2 steel with welded endpieces. Hydronic junction consisting of a vertical, rectangular chamber with two lateral 2" NPT-threaded pipe nipples for the connection of the heat source as well as 1/2" couplings for air purging, sensor and draining. G 1 1/2" union nut for connecting the heating circuits. Sinus manifold as combined flow and return manifold with adjacent chambers divided by a sinusoidal parting wall. Connection of junction and manifold by directly welded flow pipe; connection of return pipe by square profile running vertically parallel to the junction. Additional 1/2" coupling in the lower secondary flow pipe. The Sinus Hydronic Unit was pressure tested and primed in our factory.

Contact certification	
Type	Hydronic Unit 120/80
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



Number of heating circuits	Length		Weight		Heating water flow rate		Connection to heating circuit / Connection to boiler circuit	Pipe distance (OC)		Wall thickness		
	[HC]	[mm]	[in inch]	[kg]	[lbs]	[m³/h]		[gpm]	[in inch]	[mm]	[in inch]	[mm]
2		840	33.1	20.5	45.1	7.0	30.8	1 1/2" union nut / v 2" NPT	125	4 15/16"	2.5	1/10"
3		1,125	44.3	23.5	51.7	7.0	30.8	1 1/2" union nut / 2" NPT	125	4 15/16"	2.5	1/10"
4		1,410	55.5	26.5	58.3	7.0	30.8	1 1/2" union nut / 2" NPT	125	4 15/16"	2.5	1/10"
5		1,695	66.7	30.0	66.0	7.0	30.8	1 1/2" union nut / 2" NPT	125	4 15/16"	2.5	1/10"