STAINLESS STEEL DISTRIBUTION MANIFOLD

Application

The 20A8BM **te-sa** distribution manifold is designed for the distribution of heat transfer fluid in heating and conditioning systems, and in general for water distributions inside buildings.
Made of Stainless Steel AISI304 alloy, it is very flexible in the applications because the user can connect different accessories on the barrel based on the application. The main application of this manifold is on radiator and fan coil systems where the balancing of the circuits is made using lockshield positioned on the emission point. The particular design of the manifold features a great flow section with reduced pressure drops and consequently lower energy consumption in the circulator pumps. The Stainless Steel manifold is beautiful to see and corrosion resistant in the ordinary applications.

Configuration and available sizes

The 208ABM is a distribution manifold with head connections female threaded, and branch connections for fittings 3/4 Eurocone. The manifold has a G1/2" threaded hole in the opposite side of the branches that can be used for assembly a fill and drain valve or an air vent. Available with barrel size 1" it permits to satisfy every flow request. The centre distance 50 mm allows without problem to install fittings without special wrenches.

1" inlet connections
Centre distance 50 mm

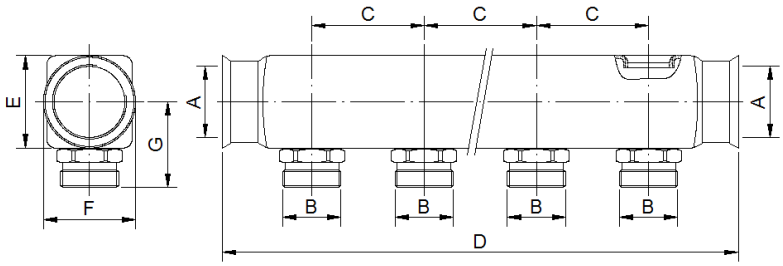
208ABM-06-02	2 Loops
208ABM-06-03	3 Loops
208ABM-06-04	4 Loops
208ABM-06-05	5 Loops
208ABM-06-06	6 Loops
208ABM-06-07	7 Loops
208ABM-06-08	8 Loops
208ABM-06-09	9 Loops
208ABM-06-10	10 Loops
208ABM-06-11	11 Loops
208ABM-06-12	12 Loops

Technical data

- Manifold barrel made of Stainless Steel EN 1.4301 – AISI304 UNI-EN 10088
- Manifold components made of brass alloy UNI-EN 12164 CW614N chrome plated
- Manifold body size 1"
- Adaptor connections 3/4 Eurocone
- Maximum Operating Pressure 16 bar
- Operating Temperature 2 ÷ 85°C
- Maximum Test Pressure 25 bar
- Maximum glycol percentage 50%
- KV factors of the barrel 1" size KV = 4,9

The operating conditions need to be reduced depending to the operating conditions of the accessories connected at the manifold

Dimensions



Art.	A	B	C	D	E	F	G
208ABM-06-02	1"	3/4"	50	130	41	41	38
208ABM-06-03	1"	3/4"	50	180	41	41	38
208ABM-06-04	1"	3/4"	50	230	41	41	38
208ABM-06-05	1"	3/4"	50	280	41	41	38
208ABM-06-06	1"	3/4"	50	330	41	41	38
208ABM-06-07	1"	3/4"	50	380	41	41	38
208ABM-06-08	1"	3/4"	50	430	41	41	38
208ABM-06-09	1"	3/4"	50	480	41	41	38
208ABM-06-10	1"	3/4"	50	530	41	41	38
208ABM-06-11	1"	3/4"	50	580	41	41	38
208ABM-06-12	1"	3/4"	50	630	41	41	38

Accessories

305NTK/1 Pair of straight full port ball valves, with union connection with O-Ring seal, completed with thermometer scale 0÷80°C. Available sizes 1" and 1-1/4".

221K Couple of wall zinc plated steel brackets for manifolds

254CD End piece for manifolds completed with automatic air vent valve and charge/discharge valve. O-ring seal on connection with swivel nut.
Available size 1"

256 Intermediate unit for manifolds completed with automatic air vent, thermometer, and charge/discharge valve. O-ring seal on connection with swivel nut. Available size 1".

350TK/1 Pair of angle full port ball valves, with union connection with O-Ring seal, completed with thermometer scale 0÷80°C. Available size 1".

213 Chrome plated brass end plug. O-ring seal on connection. Available sizes 1" and 1-1/4".

285 Orientable fill and drain valve 1/2" connection with self-sealing O-ring. Hose connection G3/4"

208 – 216T – 217T Compression fittings with nut threaded 3/4" Eurocone, to connect copper pipes, polyethylene pipes and multilayer pipes at the manifolds. Available for the main commercial sizes of pipes.

211N11 Full painted metal cabinet with key on door for embedded installation.
Dimensions: 45 cm Height, 11÷15 cm Depth, 40-60-80-100-120 cm Width.

157G Orientable manual air vent valve with self-sealing O-ring