

STAINLESS STEEL DISTRIBUTION MANIFOLD

Application

The 220ABM te-sa pre-assembled distribution manifolds are designed for the distribution and regulation of heat transfer fluid in heating and conditioning systems.

Made of Stainless Steel material, they are ideally suited to radiator heating systems and fan coil units distribution systems, with condensing boilers, traditional boiler, or heating district distributions. The manifold when completed with insulation is usable for conditioning systems. 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 big flow section of these manifolds permits to the water to reduce its speed, with the result to have very low noises produced. Beautiful to see is strong, reliable and corrosion resistant in the ordinary applications.



Configuration and available sizes

Pre-assembled on brackets, it is a distribution manifold with 3/4" Eurocone loop connections with centre distance 50 mm. On the top of the barrels is located an 1/2" female thread that permits the installation of manual or automatic air vents that allow in this position to totally remove the air accumulated. The manifold can be completed by using the available accessories, as for example ball valves and end pieces.

The manifold is packaged in carton box with labels included to identify the circuits connected.

1" inlet connection

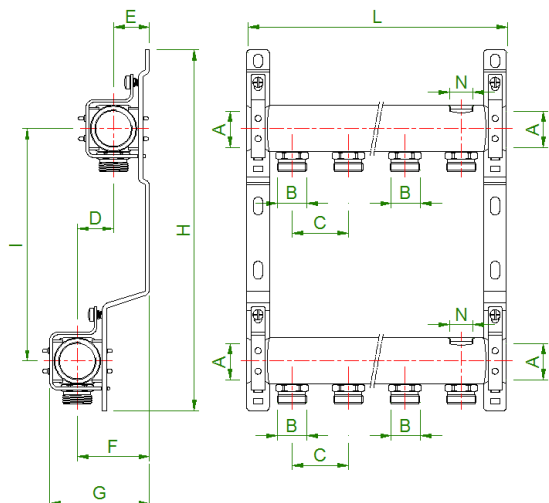
220ABM-06-02	2 Loops
220ABM-06-03	3 Loops
220ABM-06-04	4 Loops
220ABM-06-05	5 Loops
220ABM-06-06	6 Loops
220ABM-06-07	7 Loops
220ABM-06-08	8 Loops
220ABM-06-09	9 Loops
220ABM-06-10	10 Loops
220ABM-06-11	11 Loops
220ABM-06-12	12 Loops



Technical data

- Manifold barrel made of Stainless Steel EN 1.4301 - AISI304 UNI-EN 10088
- Manifold connections made of Brass Alloy UNI-EN 12164 CW614N chrome plated
- Manifold body size: 1"
- Maximum Operating Pressure 10 bar
- Operating Temperature 0 ÷ 95°C
- Maximum Test Pressure 16 bar
- Maximum glycol percentage 50%
- KV factor single manifold barrel KV = 4,9
- KV factor combination Supply + Return KV = 3,5

Dimensions



Art.	A	B	C	D	E	F	G	H	I	L	N
220ABM-06-02	1"	3/4"	50	32	32	64	95	320	206	130	1/2"
220ABM-06-03	1"	3/4"	50	32	32	64	95	320	206	180	1/2"
220ABM-06-04	1"	3/4"	50	32	32	64	95	320	206	230	1/2"
220ABM-06-05	1"	3/4"	50	32	32	64	95	320	206	280	1/2"
220ABM-06-06	1"	3/4"	50	32	32	64	95	320	206	330	1/2"
220ABM-06-07	1"	3/4"	50	32	32	64	95	320	206	380	1/2"
220ABM-06-08	1"	3/4"	50	32	32	64	95	320	206	430	1/2"
220ABM-06-09	1"	3/4"	50	32	32	64	95	320	206	480	1/2"
220ABM-06-10	1"	3/4"	50	32	32	64	95	320	206	530	1/2"
220ABM-06-11	1"	3/4"	50	32	32	64	95	320	206	580	1/2"
220ABM-06-12	1"	3/4"	50	32	32	64	95	320	206	630	1/2"

Accessories



305TK/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".



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".



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.



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".



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



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.



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



254GCD End piece for manifolds completed with manual air vent valve and charge/discharge valve. O-ring seal on connection. Available sizes 1"