

STAINLESS STEEL DISTRIBUTION MANIFOLD

Application

The 208ACT 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 radiant panel heating systems, but also for traditional radiator heating systems with condensing boilers. The manifold when completed with its preformed 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 the eye, it is strong, reliable and corrosion resistant in the ordinary applications.



Configuration and available sizes

It is a distribution manifold with 3/4" M Eurocone loop connections, centre distance 50 mm, with micrometric interception and balancing flowmeters. It must be mounted on the supply of the connected circuits. This manifold is combined with end plugs or end pieces completed of air vent valves and fill and drain valves.

1" inlet connection

208ACT-06-02	1 Loop
208ACT-06-02	2 Loops
208ACT-06-03	3 Loops
208ACT-06-04	4 Loops
208ACT-06-05	5 Loops
208ACT-06-06	6 Loops
208ACT-06-07	7 Loops
208ACT-06-08	8 Loops
208ACT-06-09	9 Loops
208ACT-06-10	10 Loops
208ACT-06-11	11 Loops
208ACT-06-12	12 Loops
208ACT-06-13	13 Loops

1-1/4" inlet connection

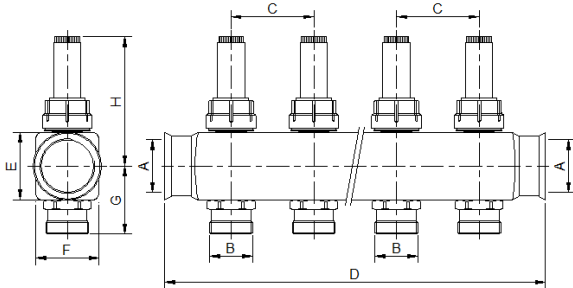
208ACT-07-01	1 Loop
208ACT-07-02	2 Loops
208ACT-07-03	3 Loops
208ACT-07-04	4 Loops
208ACT-07-05	5 Loops
208ACT-07-06	6 Loops
208ACT-07-07	7 Loops
208ACT-07-08	8 Loops
208ACT-07-09	9 Loops
208ACT-07-10	10 Loops
208ACT-07-11	11 Loops
208ACT-07-12	12 Loops
208ACT-07-13	13 Loops



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
- Manifold body size: 1" and 1-1/4"
- Supply manifold with micrometric balancing flowmeters adjustable in the range from 0 to 5 l/min, accuracy 10%
- Flowmeters with brass body
- Maximum Operating Pressure 6 bar
- Operating Temperature 0 ÷ 70 °C
- Maximum Test Pressure 10 bar
- Maximum glycol percentage 30%
- KV factor in wide open conditions: size 1" and size 1-1/4" KV=1,2
- KV factors of the balancing flowmeter referred to the opening turns are available

Dimensions



Art.	A	B	C	D	E	F	G	H
208ACT-06-01	1"	3/4"	-	80	41	39	41	78
208ACT-06-02	1"	3/4"	50	130	41	39	41	78
208ACT-06-03	1"	3/4"	50	180	41	39	41	78
208ACT-06-04	1"	3/4"	50	230	41	39	41	78
208ACT-06-05	1"	3/4"	50	280	41	39	41	78
208ACT-06-06	1"	3/4"	50	330	41	39	41	78
208ACT-06-07	1"	3/4"	50	380	41	39	41	78
208ACT-06-08	1"	3/4"	50	430	41	39	41	78
208ACT-06-09	1"	3/4"	50	480	41	39	41	78
208ACT-06-10	1"	3/4"	50	530	41	39	41	78
208ACT-06-11	1"	3/4"	50	580	41	39	41	78
208ACT-06-12	1"	3/4"	50	630	41	39	41	78
208ACT-06-13	1"	3/4"	50	680	41	39	41	78

Art.	A	B	C	D	E	F	G	H
208ACT-07-01	1 1/4"	3/4"	-	80	50	48	45	82
208ACT-07-02	1 1/4"	3/4"	50	130	50	48	45	82
208ACT-07-03	1 1/4"	3/4"	50	180	50	48	45	82
208ACT-07-04	1 1/4"	3/4"	50	230	50	48	45	82
208ACT-07-05	1 1/4"	3/4"	50	280	50	48	45	82
208ACT-07-06	1 1/4"	3/4"	50	330	50	48	45	82
208ACT-07-07	1 1/4"	3/4"	50	380	50	48	45	82
208ACT-07-08	1 1/4"	3/4"	50	430	50	48	45	82
208ACT-07-09	1 1/4"	3/4"	50	480	50	48	45	82
208ACT-07-10	1 1/4"	3/4"	50	530	50	48	45	82
208ACT-07-11	1 1/4"	3/4"	50	580	50	48	45	82
208ACT-07-12	1 1/4"	3/4"	50	630	50	48	45	82
208ACT-07-13	1 1/4"	3/4"	50	680	50	48	45	82

Accessories



208AVTT Return manifold with thermostatisable interception valves equipped with knobs. Available sizes 1" and 1-1/4".



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".



650A Pre-formed insulation shells for manifolds, consisting of two half-shells (front and back). Material: PE-X closed-cell foam. Available sizes 1" and 1-1/4".



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



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



221K Couple of wall zinc plated steel brackets for manifolds



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".



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.



213 End plug made of chrome plated brass with O-ring seal. 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.