

## STAINLESS STEEL DISTRIBUTION MANIFOLD

### Application

The 208AVTC 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 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 with centre distance 50 mm with built-in interception valves, with maneuverable caps predisposed for the assembly of electrothermal actuators. To this manifold it is possible to assemble end plugs or end pieces completed with accessories such as air vent valves and fill and drain valves.

#### 1" inlet connection

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

#### 1-1/4" inlet connection

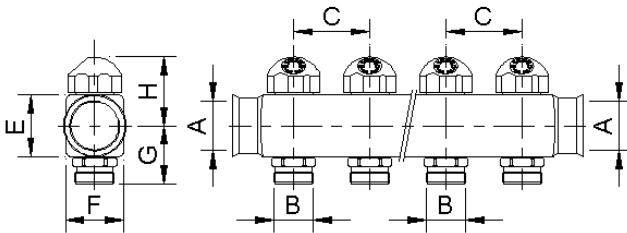
208AVTC-07-01	1 Loop
208AVTC-07-02	2 Loops
208AVTC-07-03	3 Loops
208AVTC-07-04	4 Loops
208AVTC-07-05	5 Loops
208AVTC-07-06	6 Loops
208AVTC-07-07	7 Loops
208AVTC-07-08	8 Loops
208AVTC-07-09	9 Loops
208AVTC-07-10	10 Loops
208AVTC-07-11	11 Loops
208AVTC-07-12	12 Loops
208AVTC-07-13	13 Loops



### Technical data

- Manifold barrel made of Stainless Steel AISI304
- Manifold components made of Brass alloy UNI-EN 12164 CW614N
- Manifold body size: 1" and 1-1/4"
- Manifold with interception valves equipped with ABS caps, suitable for the installation of electrothermal actuators with M30x1,5 swivel nut connection
- Maximum Operating Pressure 6 bar
- Operating Temperature 0 ÷ 85 °C
- Maximum Test Pressure 10 bar
- Maximum glycol percentage 30%
- KV factors in wide open conditions: size 1" KV=2,80 ; size 1-1/4" KV=3,55

## Dimensions



Art.	A	B	C	D	E	F	G	H
208AVTC-06-01	1"	3/4"	-	80	41	39	38	73
208AVTC-06-02	1"	3/4"	50	130	41	39	38	73
208AVTC-06-03	1"	3/4"	50	180	41	39	38	73
208AVTC-06-04	1"	3/4"	50	230	41	39	38	73
208AVTC-06-05	1"	3/4"	50	280	41	39	38	73
208AVTC-06-06	1"	3/4"	50	330	41	39	38	73
208AVTC-06-07	1"	3/4"	50	380	41	39	38	73
208AVTC-06-08	1"	3/4"	50	430	41	39	38	73
208AVTC-06-09	1"	3/4"	50	480	41	39	38	73
208AVTC-06-10	1"	3/4"	50	530	41	39	38	73
208AVTC-06-11	1"	3/4"	50	580	41	39	38	73
208AVTC-06-12	1"	3/4"	50	630	41	39	38	73
208AVTC-06-13	1"	3/4"	50	680	41	39	38	73

Art.	A	B	C	D	E	F	G	H
208AVTC-07-01	1 1/4"	3/4"	-	80	50	48	42	77
208AVTC-07-02	1 1/4"	3/4"	50	130	50	48	42	77
208AVTC-07-03	1 1/4"	3/4"	50	180	50	48	42	77
208AVTC-07-04	1 1/4"	3/4"	50	230	50	48	42	77
208AVTC-07-05	1 1/4"	3/4"	50	280	50	48	42	77
208AVTC-07-06	1 1/4"	3/4"	50	330	50	48	42	77
208AVTC-07-07	1 1/4"	3/4"	50	380	50	48	42	77
208AVTC-07-08	1 1/4"	3/4"	50	430	50	48	42	77
208AVTC-07-09	1 1/4"	3/4"	50	480	50	48	42	77
208AVTC-07-10	1 1/4"	3/4"	50	530	50	48	42	77
208AVTC-07-11	1 1/4"	3/4"	50	580	50	48	42	77
208AVTC-07-12	1 1/4"	3/4"	50	630	50	48	42	77
208AVTC-07-13	1 1/4"	3/4"	50	680	50	48	42	77

## Accessories



**208ACT** Supply manifold with adjustable flowmeters setting range from 0 to 5 l/min. Available sizes 1" and 1-1/4".



**221K** Couple of wall zinc plated steel brackets for manifolds



**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".



**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".



**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".



**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.



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



**116T** Electrothermal actuator normally closed with easy and fast connection. For bonnets M30x1,5. Available with and without end switch (two or four wires) in the voltages 230V and 24V.



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



**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.