

BRASS CHROME PLATED RETURN DISTRIBUTION MANIFOLD

Application

The 208VTT **te-sa** pre-assembled distribution manifold is designed for the distribution and regulation of heat transfer fluid in heating and conditioning systems.

Made of certified brass alloy material, it is ideally suited for 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. Flow section and components of the manifold permit to the water to reduce its turbulences, with the result of having very low noises produced. The chrome plating treatment with high thickness makes the manifolds beautiful to see and corrosion resistant in the ordinary applications.



Configuration and available sizes

The 208VTT is a return distribution manifold with head connections female threaded, and loop connections 3/4" Eurocone with centre distance 50 mm. The manifold has interception valves with handles that are predisposed for assembly of electrothermal actuators. Available with barrel sizes 1" and 1-1/4" it permits to satisfy every flow request.

1" inlet connection

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

1-1/4" inlet connection

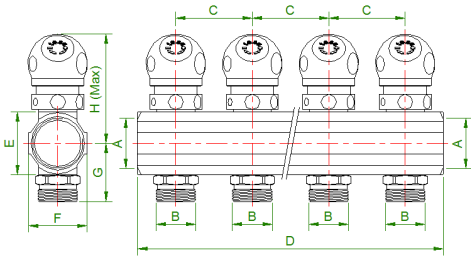
208VTT-07-02	2 Loops
208VTT-07-03	3 Loops
208VTT-07-04	4 Loops
208VTT-07-05	5 Loops
208VTT-07-06	6 Loops
208VTT-07-07	7 Loops
208VTT-07-08	8 Loops
208VTT-07-09	9 Loops
208VTT-07-10	10 Loops
208VTT-07-11	11 Loops
208VTT-07-12	12 Loops
208VTT-07-13	13 Loops



Technical data

- Manifold barrel made of Brass alloy UNI-EN 12168 CW612N
- Manifold components made of Brass UNI-EN 12164 CW614N and UNI-EN 12165 CW617N
- Manifold body size: 1" and 1-1/4"
- Return manifold with interception valves equipped with ABS handles, suitable for the installation of electrothermal actuators with M30x1,5 swivel nut connection
- Maximum Operating Pressure 6 bar
- Operating Temperature 0 ÷ 80°C
- Maximum Test Pressure 10 bar
- Maximum glycol percentage 30%
- KV factors in wide open conditions: 1" size KV=3 ; 1-1/4" size KV=3,6

Dimensions



Art.	A	B	C	D	E	F	G	H
208VTT-06-01	1"	3/4"	50	50	41	38	38	73
208VTT-06-02	1"	3/4"	50	100	41	38	38	73
208VTT-06-03	1"	3/4"	50	150	41	38	38	73
208VTT-06-04	1"	3/4"	50	200	41	38	38	73
208VTT-06-05	1"	3/4"	50	250	41	38	38	73
208VTT-06-06	1"	3/4"	50	300	41	38	38	73
208VTT-06-07	1"	3/4"	50	350	41	38	38	73
208VTT-06-08	1"	3/4"	50	400	41	38	38	73
208VTT-06-09	1"	3/4"	50	450	41	38	38	73
208VTT-06-10	1"	3/4"	50	500	41	38	38	73
208VTT-06-11	1"	3/4"	50	550	41	38	38	73
208VTT-06-12	1"	3/4"	50	600	41	38	38	73
208VTT-06-13	1"	3/4"	50	650	41	38	38	73

Art.	A	B	C	D	E	F	G	H
208VTT-07-01	1 1/4"	3/4"	50	56	50	48	45	77
208VTT-07-02	1 1/4"	3/4"	50	106	50	48	45	77
208VTT-07-03	1 1/4"	3/4"	50	156	50	48	45	77
208VTT-07-04	1 1/4"	3/4"	50	206	50	48	45	77
208VTT-07-05	1 1/4"	3/4"	50	256	50	48	45	77
208VTT-07-06	1 1/4"	3/4"	50	306	50	48	45	77
208VTT-07-07	1 1/4"	3/4"	50	356	50	48	45	77
208VTT-07-08	1 1/4"	3/4"	50	406	50	48	45	77
208VTT-07-09	1 1/4"	3/4"	50	456	50	48	45	77
208VTT-07-10	1 1/4"	3/4"	50	506	50	48	45	77
208VTT-07-11	1 1/4"	3/4"	50	556	50	48	45	77
208VTT-07-12	1 1/4"	3/4"	50	606	50	48	45	77
208VTT-07-13	1 1/4"	3/4"	50	656	50	48	45	77

Accessories



208CT 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".



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".



650 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.



254 End piece for manifolds completed with automatic air vent valve and charge/discharge valve. O-ring seal on connection. Available sizes 1" and 1-1/4".



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.



254G End piece for manifolds completed with manual air vent valve and charge/discharge valve. 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.