

## BRASS CHROME PLATED SUPPLY DISTRIBUTION MANIFOLD

### Application

The 208CT **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 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. 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 208CT is a supply manifold with head connections female threaded, and loop connections 3/4" Eurocone with centre distance 50 mm, with pre-assembled brass body flowmeters that permit to balance and visualize the water flow delivered to the connected loops. Available with barrel sizes 1" and 1-1/4" it permits to satisfy every flow request of the system.

#### 1" inlet connection

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

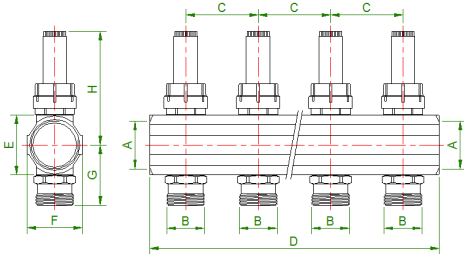
#### 1-1/4" inlet connection

208CT-07-02	2 Loops
208CT-07-03	3 Loops
208CT-07-04	4 Loops
208CT-07-05	5 Loops
208CT-07-06	6 Loops
208CT-07-07	7 Loops
208CT-07-08	8 Loops
208CT-07-09	9 Loops
208CT-07-10	10 Loops
208CT-07-11	11 Loops
208CT-07-12	12 Loops
208CT-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"
- Supply manifold with adjustable flow meters setting range from 0 to 5 l/min, accuracy 10%
- 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: KV=1,2

## Dimensions



Art.	A	B	C	D	E	F	G	H
208CT-06-01	1"	3/4"	50	50	41	38	42	78
208CT-06-02	1"	3/4"	50	100	41	38	42	78
208CT-06-03	1"	3/4"	50	150	41	38	42	78
208CT-06-04	1"	3/4"	50	200	41	38	42	78
208CT-06-05	1"	3/4"	50	250	41	38	42	78
208CT-06-06	1"	3/4"	50	300	41	38	42	78
208CT-06-07	1"	3/4"	50	350	41	38	42	78
208CT-06-08	1"	3/4"	50	400	41	38	42	78
208CT-06-09	1"	3/4"	50	450	41	38	42	78
208CT-06-10	1"	3/4"	50	500	41	38	42	78
208CT-06-11	1"	3/4"	50	550	41	38	42	78
208CT-06-12	1"	3/4"	50	600	41	38	42	78
208CT-06-13	1"	3/4"	50	650	41	38	42	78

Art.	A	B	C	D	E	F	G	H
208CT-07-01	1 1/4"	3/4"	50	56	50	48	46	82
208CT-07-02	1 1/4"	3/4"	50	106	50	48	46	82
208CT-07-03	1 1/4"	3/4"	50	156	50	48	46	82
208CT-07-04	1 1/4"	3/4"	50	206	50	48	46	82
208CT-07-05	1 1/4"	3/4"	50	256	50	48	46	82
208CT-07-06	1 1/4"	3/4"	50	306	50	48	46	82
208CT-07-07	1 1/4"	3/4"	50	356	50	48	46	82
208CT-07-08	1 1/4"	3/4"	50	406	50	48	46	82
208CT-07-09	1 1/4"	3/4"	50	456	50	48	46	82
208CT-07-10	1 1/4"	3/4"	50	506	50	48	46	82
208CT-07-11	1 1/4"	3/4"	50	556	50	48	46	82
208CT-07-12	1 1/4"	3/4"	50	606	50	48	46	82
208CT-07-13	1 1/4"	3/4"	50	656	50	48	46	82

## Accessories



**208VTT** Return manifold with built-in interception valves predisposed for installation of electrothermal actuators. 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".



**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".



**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".



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



**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.