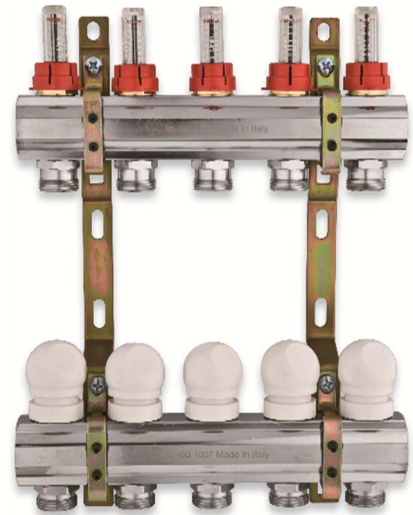


BRASS CHROME PLATED DISTRIBUTION MANIFOLD

Application

The 220TT **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, 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. Flow section and components of the manifold permit the water to reduce its turbulences, with the result to have very low noises produced. The chrome plating treatment with high thickness make manifolds beautiful to see and corrosion resistant in the ordinary applications.



Configuration and available sizes

Pre-assembled on brackets, it is a distribution manifold with 3/4" M Eurocone connections with centre distance 50 mm, and it is composed by delivery manifold with flow regulators, return manifold with built-in interception valves, with handles, that are predisposed for assembly of electrothermal actuators. It is packed in carton box with labels included to identify the circuits connected.

1" inlet connection

220TT-06-02	2 Loops
220TT-06-03	3 Loops
220TT-06-04	4 Loops
220TT-06-05	5 Loops
220TT-06-06	6 Loops
220TT-06-07	7 Loops
220TT-06-08	8 Loops
220TT-06-09	9 Loops
220TT-06-10	10 Loops
220TT-06-11	11 Loops
220TT-06-12	12 Loops
220TT-06-13	13 Loops

1-1/4" inlet connection

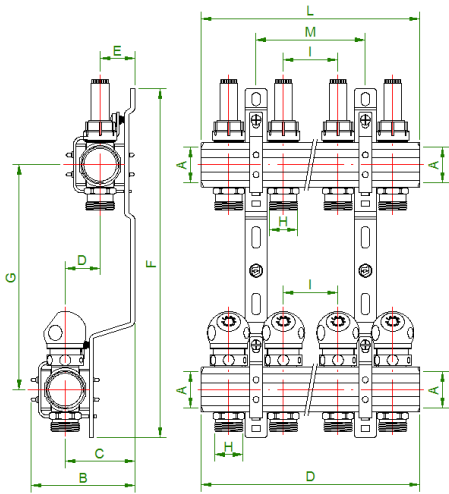
220TT-07-02	2 Loops
220TT-07-03	3 Loops
220TT-07-04	4 Loops
220TT-07-05	5 Loops
220TT-07-06	6 Loops
220TT-07-07	7 Loops
220TT-07-08	8 Loops
220TT-07-09	9 Loops
220TT-07-10	10 Loops
220TT-07-11	11 Loops
220TT-07-12	12 Loops
220TT-07-13	13 Loops



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
- Manifold body size: 1" and 1-1/4"
- Supply manifold with adjustable flow meters setting range from 0 to 5 l/min, accuracy 10%
- Return manifold with interception valves equipped with ABS handles, suitable for installation of electrothermal actuators with M30x1,5 swivel nut connection
- Maximum Operating Pressure 6 bar
- Operating Temperature 0 ÷ 70°C
- Maximum Test Pressure 10 bar
- Maximum glycol percentage 30%
- KV factors in wide open conditions: Supply manifold 1" and 1-1/4" KV=1,2 ; Return manifold 1" KV=3 ; Return manifold 1-1/4" KV=3,6 ; Supply + Return 1" KV=1,11 ; Supply + Return 1-1/4" KV=1,14

Dimensions



Art.	A	B	C	D	E	F	G	H	I	L	M
220TT -06-02	1"	95	64	32	32	320	206	3/4"	50	100	-
220TT -06-03	1"	95	64	32	32	320	206	3/4"	50	150	50
220TT -06-04	1"	95	64	32	32	320	206	3/4"	50	200	100
220TT -06-05	1"	95	64	32	32	320	206	3/4"	50	250	150
220TT -06-06	1"	95	64	32	32	320	206	3/4"	50	300	200
220TT -06-07	1"	95	64	32	32	320	206	3/4"	50	350	250
220TT -06-08	1"	95	64	32	32	320	206	3/4"	50	400	300
220TT -06-09	1"	95	64	32	32	320	206	3/4"	50	450	350
220TT -06-10	1"	95	64	32	32	320	206	3/4"	50	500	400
220TT -06-11	1"	95	64	32	32	320	206	3/4"	50	550	450
220TT -06-12	1"	95	64	32	32	320	206	3/4"	50	600	500
220TT -06-13	1"	95	64	32	32	320	206	3/4"	50	650	550

Art.	A	B	C	D	E	F	G	H	I	L	M
220TT -07-02	1 1/4"	105	69	32	37	320	206	3/4"	50	106	-
220TT -07-03	1 1/4"	105	69	32	37	320	206	3/4"	50	156	50
220TT -07-04	1 1/4"	105	69	32	37	320	206	3/4"	50	206	100
220TT -07-05	1 1/4"	105	69	32	37	320	206	3/4"	50	256	150
220TT -07-06	1 1/4"	105	69	32	37	320	206	3/4"	50	306	200
220TT -07-07	1 1/4"	105	69	32	37	320	206	3/4"	50	356	250
220TT -07-08	1 1/4"	105	69	32	37	320	206	3/4"	50	406	300
220TT -07-09	1 1/4"	105	69	32	37	320	206	3/4"	50	450	350
220TT -07-10	1 1/4"	105	69	32	37	320	206	3/4"	50	506	400
220TT -07-11	1 1/4"	105	69	32	37	320	206	3/4"	50	556	450
220TT -07-12	1 1/4"	105	69	32	37	320	206	3/4"	50	606	500
220TT -07-13	1 1/4"	105	69	32	37	320	206	3/4"	50	656	550

Accessories



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.