

INOX STEEL DISTRIBUTION MANIFOLD

Application

The 220ADM2-D **te-sa** 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 ideal in applications where it is necessary to have a large flow rate with low pressure losses, as for example on underfloor heating systems, radiator heating systems, fan coil units distribution systems, with condensing boilers, traditional boiler, or heating district distributions. The lockshields positioned on supply and return manifolds allow to balancing the singles circuits, and intercept the water flow in case of necessity. 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 see is strong, reliable and corrosion resistant in the ordinary applications.



Configuration and available sizes

Supplied unassembled on brackets, it is a distribution manifold 3/4" Eurocone loop connections with centre distance 50 mm. It is composed by delivery and return manifolds with micrometric adjustable lockshields equipped with protection caps, manual air vent valves, fill and drain valves, end plugs and a pair of installing brackets. The manifold is space saving packaged in carton box with labels included to identify the circuits connected.

| | |
|----------------|----------|
| 220ADM2-06-02D | 2 Loops |
| 220ADM2-06-03D | 3 Loops |
| 220ADM2-06-04D | 4 Loops |
| 220ADM2-06-05D | 5 Loops |
| 220ADM2-06-06D | 6 Loops |
| 220ADM2-06-07D | 7 Loops |
| 220ADM2-06-08D | 8 Loops |
| 220ADM2-06-09D | 9 Loops |
| 220ADM2-06-10D | 10 Loops |
| 220ADM2-06-11D | 11 Loops |
| 220ADM2-06-12D | 12 Loops |

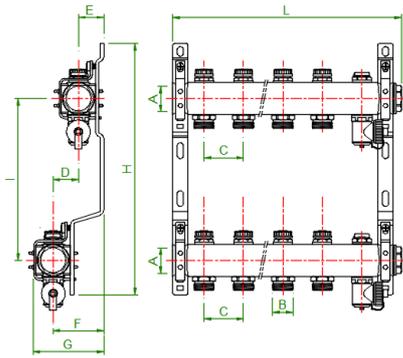


Technical data

- Manifold barrel made of Stainless Steel EN 1.4301 - AISI304 UNI-EN 10088
- Manifold components made of Brass Alloy UNI-EN 12164 CW614N and UNI-EN 12165 CW617N
- Manifold connection size: 1"
- Supply and Return manifolds with micrometric balancing lockshields maneuverable by using 5 mm Allen key, equipped with protection caps to avoid intrusion of powders that could reduce the operating capacity in the time
- Maximum Operating Pressure 10 bar
- Maximum Test Pressure 16 bar
- Operating Temperature 0 ÷ 85°C
- Maximum glycol percentage 40%
- KV factors in wide open conditions:

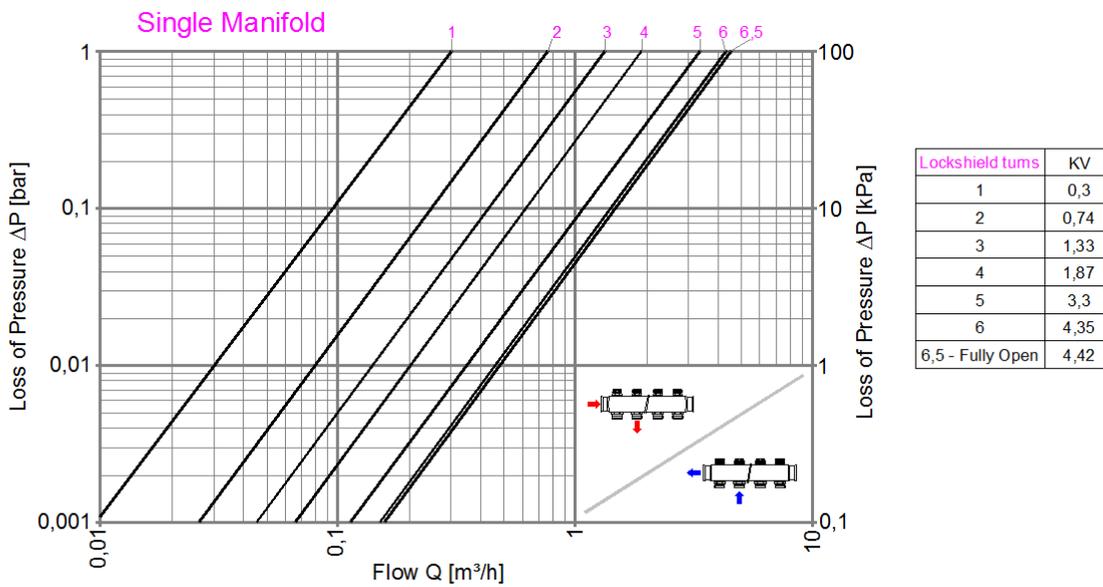
| | |
|------------------------------------|-----------|
| Single manifold (Supply or Return) | KV = 4,42 |
| Global factor Supply + Return | KV = 3,13 |

Dimensions



| Art. | A | B | C | D | E | F | G | H | I | L |
|----------------|----|------|----|----|----|----|----|-----|-----|-----|
| 220ADM2-06-02D | 1" | 3/4" | 50 | 32 | 36 | 64 | 95 | 320 | 206 | 185 |
| 220ADM2-06-03D | 1" | 3/4" | 50 | 32 | 36 | 64 | 95 | 320 | 206 | 235 |
| 220ADM2-06-04D | 1" | 3/4" | 50 | 32 | 36 | 64 | 95 | 320 | 206 | 285 |
| 220ADM2-06-05D | 1" | 3/4" | 50 | 32 | 36 | 64 | 95 | 320 | 206 | 335 |
| 220ADM2-06-06D | 1" | 3/4" | 50 | 32 | 36 | 64 | 95 | 320 | 206 | 385 |
| 220ADM2-06-07D | 1" | 3/4" | 50 | 32 | 36 | 64 | 95 | 320 | 206 | 435 |
| 220ADM2-06-08D | 1" | 3/4" | 50 | 32 | 36 | 64 | 95 | 320 | 206 | 485 |
| 220ADM2-06-09D | 1" | 3/4" | 50 | 32 | 36 | 64 | 95 | 320 | 206 | 535 |
| 220ADM2-06-10D | 1" | 3/4" | 50 | 32 | 36 | 64 | 95 | 320 | 206 | 585 |
| 220ADM2-06-11D | 1" | 3/4" | 50 | 32 | 36 | 64 | 95 | 320 | 206 | 635 |
| 220ADM2-06-12D | 1" | 3/4" | 50 | 32 | 36 | 64 | 95 | 320 | 206 | 685 |

Balancing of lockshields



Accessories



305TK/1 Pair of straight full port ball valves, with union connection with O-Ring seal, completed with thermometer scale 0÷80°C.



350TK/1 Pair of angle full port ball valves, with union connection with O-Ring seal, completed with thermometer scale 0÷80°C.



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.



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



211SZ11 Full painted metal cabinet with key on door for embedded installation. Dimensions: 45 cm Height, 11÷15 cm Depth, 40-60-85-100-120-140 cm Width.



211Z11 Base for 211SZ11 cabinet with adjustable supports. Dimensions: 10 cm Depth, 40-60-85-100-120-140 cm Width.