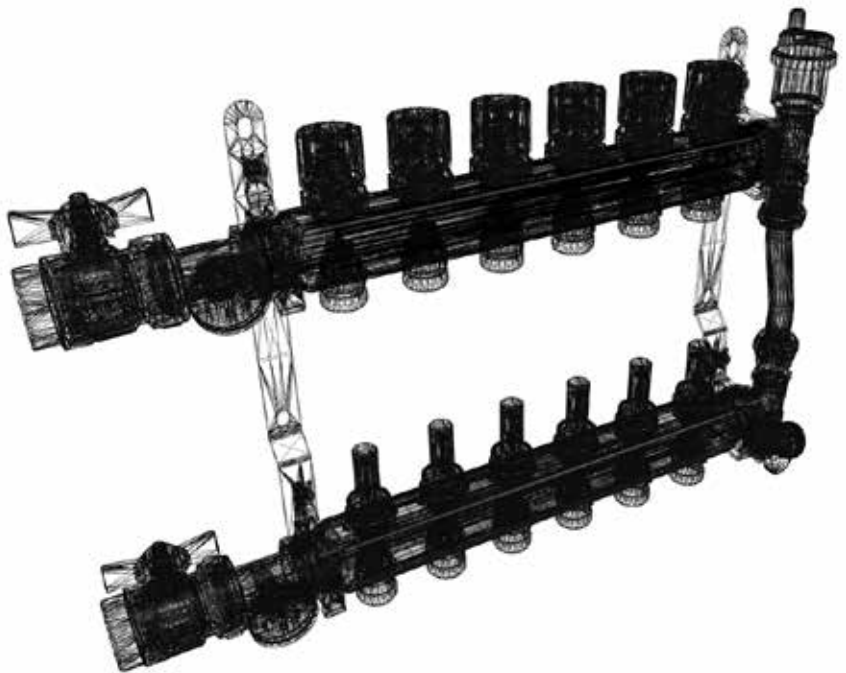
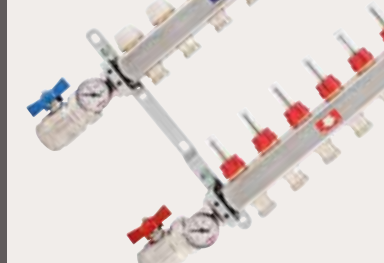


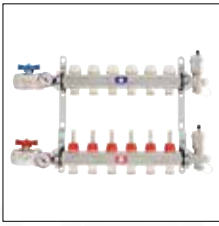


PRE-ASSEMBLED STAINLESS STEEL MANIFOLDS

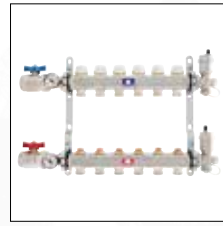




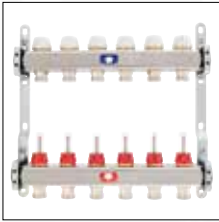
907C



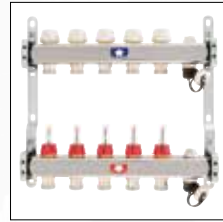
912C



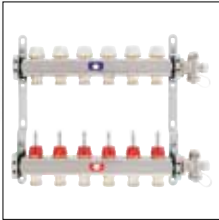
917C



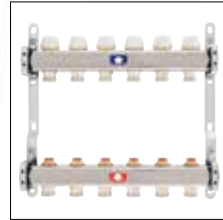
917CDE



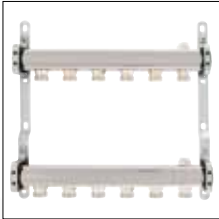
918C



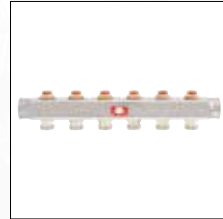
922C



922MO



927



932



937



942



947



PRE-ASSEMBLED STAINLESS STEEL MANIFOLDS

Available sizes: 1".

Maximum operating pressure with installed flow meters: 6 bar (10 bar for installation test)

Maximum operating pressure with installed lockshields: 10 bar

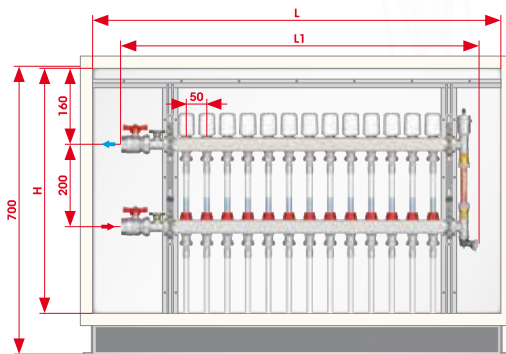
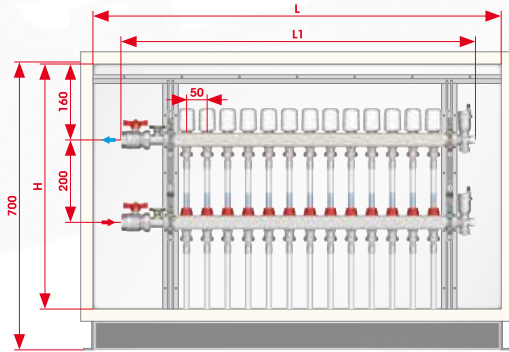
Maximum working temperature: 70°C (with flow meters) 80°C (with lockshields).

Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228)

Outlets: from 3 to 13, 3/4" Eurokonus

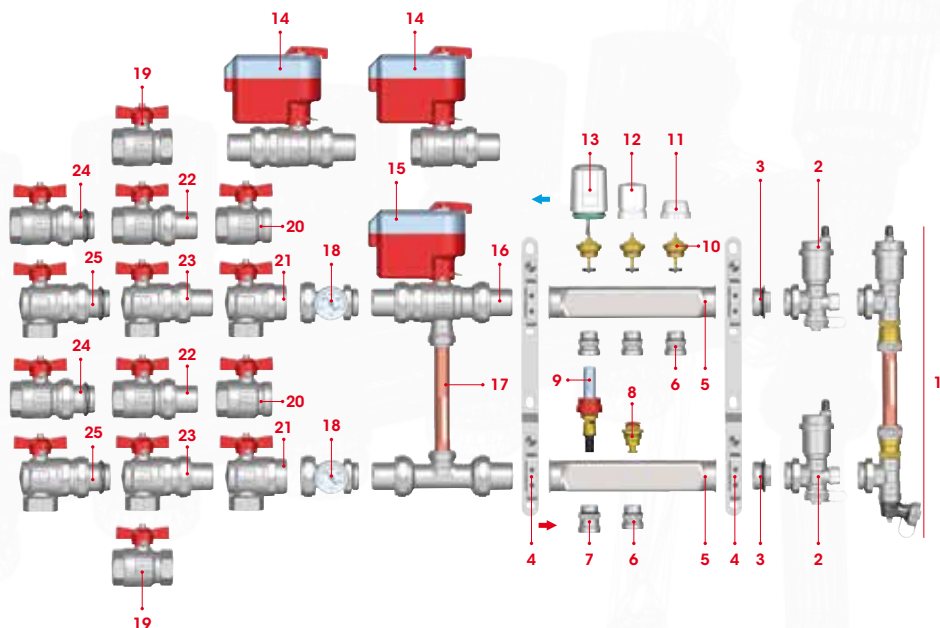
Outlet centre distance: mm.50

POSITIONING THE STAINLESS STEEL MANIFOLDS INTO METAL BOXES



CODE	498.500.600	498.600.600	498.700.600	498.800.600	498.1000.600
LxH (mm)	500x600	600x600	700x600	800x600	1000x600
N° outlet	3-4	5-6	7-8	9-10	11-12-13
MANIFOLD	1"				
L1	425	525	625	725	875

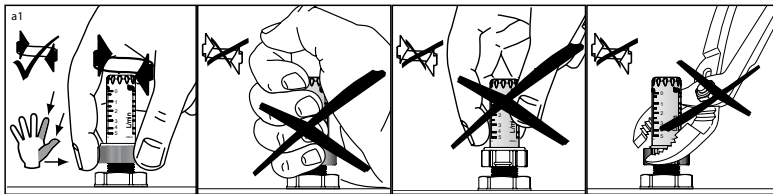
ACCESSORIES CHART PRE-ASSEMBLED STAINLESS STEEL MANIFOLDS IN METAL BOXES



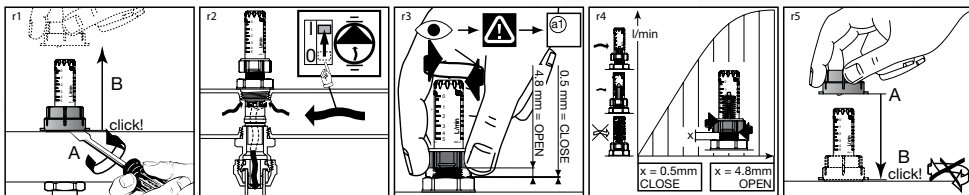
POS	ART	DESCRIPTION
1	860BY	Off-centre by-pass kit
2	489AR	Adjustable end piece with drain valve and automatic air vent valve
3	494	Male end cap
4	498ST	Mountin brackets in steel for metal boxes
5	862	Stainless steel manifold
6	518	Male/male adapter 1"
7	471	Adapter for flow meters - 1"
8	Vitonde	Lockshield
9	471FL	Flow meter
10	Vitonvar	Convertible control spindle
11	894CP	Protection cap
12	894VM	Handle
13	891M	Electrothermal actuator
14	990 - 991 989	Electric actuator for zone ball valves - Electric actuator for 2-way zone ball valves
15	990 - 991	Electric actuator for zone ball valves
16	984	3-way zone ball valve
17	988	By-pass kit for zone valves
18	492BC	Thermometer union complete with thermometer
19	092	Ball valve, T handle
20	098SDC	Ball valve for manifolds without union
21	298SDC	Angle ball valve for manifolds without union
22	098	Ball valve for manifolds
23	298	Angle ball valve for manifolds
24	098S	Ball valve for manifolds with o-ring on the union
25	298S	Angle ball valve for manifolds with o-ring on the union

FLOWMETER ADJUSTMENT

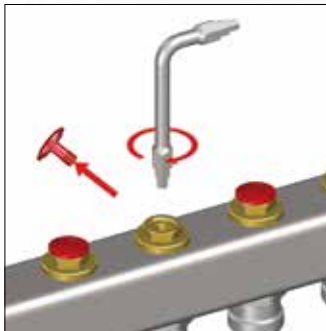
How to handle the flowmeter



How to adjust the flow rate



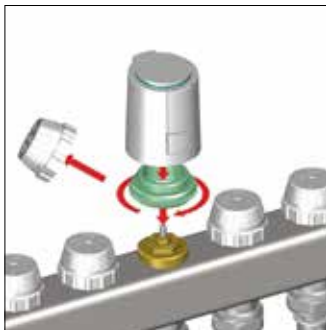
LOCKSHIELD ADJUSTMENT



Starting from a totally closed position, open the lockshield according to the enclosed chart, in order to achieve the desired flow rate.

The adjustment has to be done by means of a hexagonal key in the size of 6 mm.

INSTALLATION OF ELECTROTHERMAL ACTUATOR



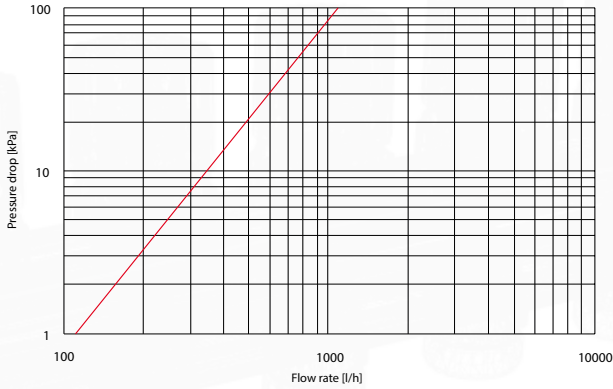
Electrothermal actuator Art. 891M:

- Normally closed, on-off operation.
- Power supply voltage: 230V.
- Power consumption: 1W.
- Minimum and maximum working ambient temperatures: 0°C, 60°C.
- Maximum differential pressure: 1,5bar.
- Length of the power supply cable: m. 1.
- Class of protection IP54.
- Available with 2 cables or 4 cables with an auxiliary microswitch.
- Capacity of the auxiliary connection: 300mA.
- CE marked.

DIAGRAMS

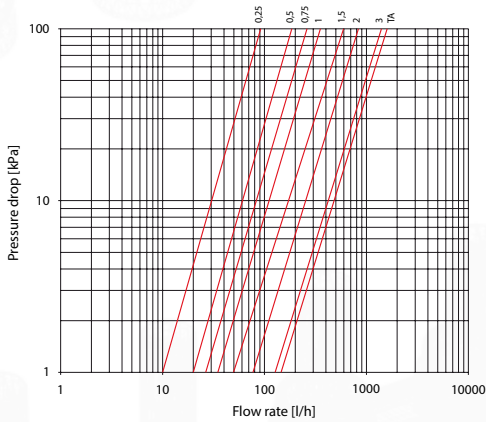
Below are the flow rate / pressure drop diagrams relative to pre-assembled manifolds with main 1" connections.

Diagram of flow meter fully open (flow manifold)



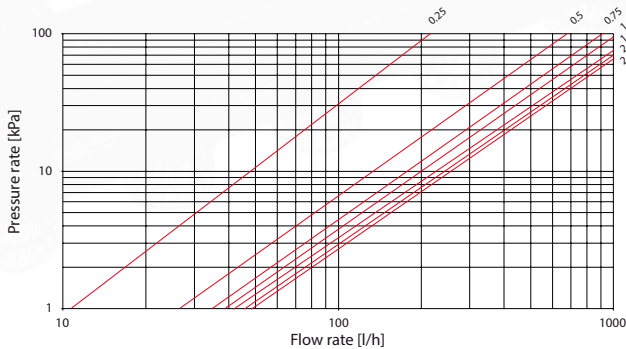
Kv = 1,1 m³/h

Regulation lockshield diagram (flow manifold)



Regulation (rpm)	Kv [m ³ /h]
0,25	0,09
0,5	0,19
0,75	0,27
1	0,36
1,5	0,60
2	0,83
3	1,45
TA (open)	1,65

Cut-off valve (return manifold)



Regulation (rpm)	Kv [m ³ /h]
0,25	0,22
0,5	0,68
0,75	0,91
1	1,05
1,5	1,22
2	1,30
2,5	1,35



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