Stainless steel manifold kit art. CI 585C - CI 588C

AISI 304 stainless steel manifolds are suitable for distributing and controlling water in heating systems at low and high temperatures. The thickness of the material combined with the pressure testing of each manifold is synonymous with quality and assurance of successful operation on site. The threads of the connections to the headers are 1” female according to ISO 228 standard. The threads of the joints are made with brass inserts (CW617N, 3/4” EUROKONUS). Manifolds are supplied in flow/return pairs, mounted on fastening brackets: return manifold features shut-off valves with disc valve, while flow manifold features lockshield-type adjustment devices.

TECHNICAL FEATURES

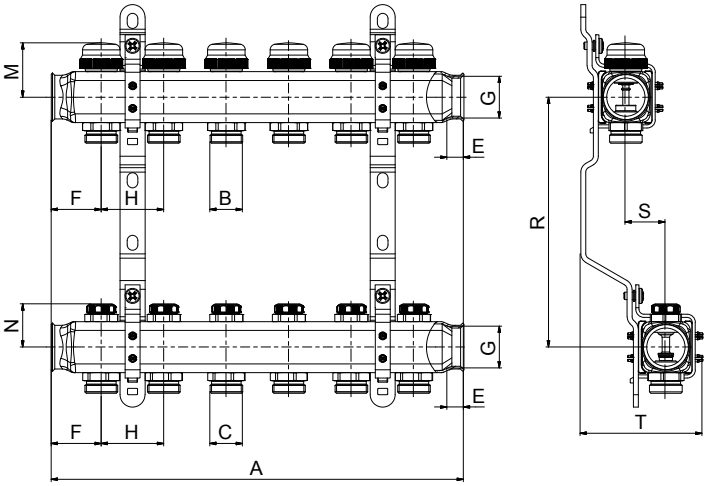
Max operating temperature: 90 °C
Max operating pressure: 10 bar

MATERIALS

Manifold body: stainless steel AISI 304
Brass parts: CW617N
Seal parts: peroxide EPDM
Shut-off valve disc: PPA body + brass stem + steel spindle
Protecting caps: ABS
Lockshield plug: PA + 30 % glass fibre reinforced

DIMENSIONS

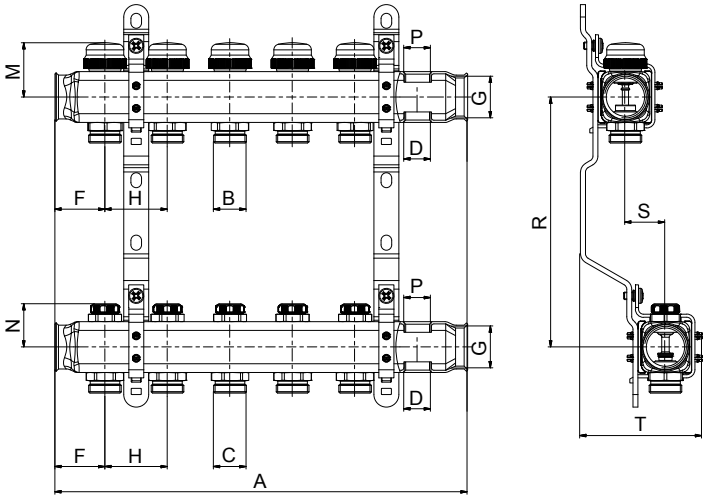
CI 588C. Manifold kit 1”×EK with brackets, flow lockshield-type balancing devices and return shut-off valves suitable to thermostatic or manual control.



CI 588C - Dimensions and product codes

WAYS	COD.	SIZE	A	B	C	D	F	G	H	M	N	P	R	S	T
2	503572	1”×EK	130	3/4”	3/4”	-	40	1”	50	44	35	-	200	32	100
3	503573		180												
4	503574		230												
5	503575		280												
6	503576		330												
7	503577		380												
8	503578		430												
9	503579		480												
10	503580		530												
11	503581		580												
12	503582		630												
13	503583		680												

CI 585C. Manifold kit 1”×EK with brackets, flow lockshield-type balancing devices, return shut-off valves suitable to thermostatic or manual control, and free connection for air vent/fill-in valves.

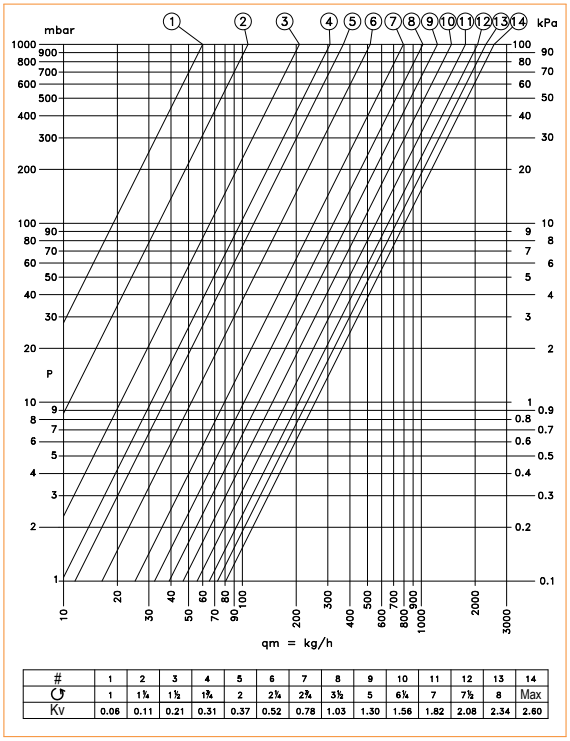


CI 585C - Dimensions and product codes

WAYS	COD.	SIZE	A	B	C	D	F	G	H	M	N	P	R	S	T
2	503522	1”×EK	180	3/4”	3/4”	1/2”	40	1”	50	44	35	1/2”	200	32	100
3	503523		230												
4	503524		280												
5	503525		330												
6	503526		380												
7	503527		430												
8	503528		480												
9	503529		530												
10	503530		580												
11	503531		630												
12	503532		680												

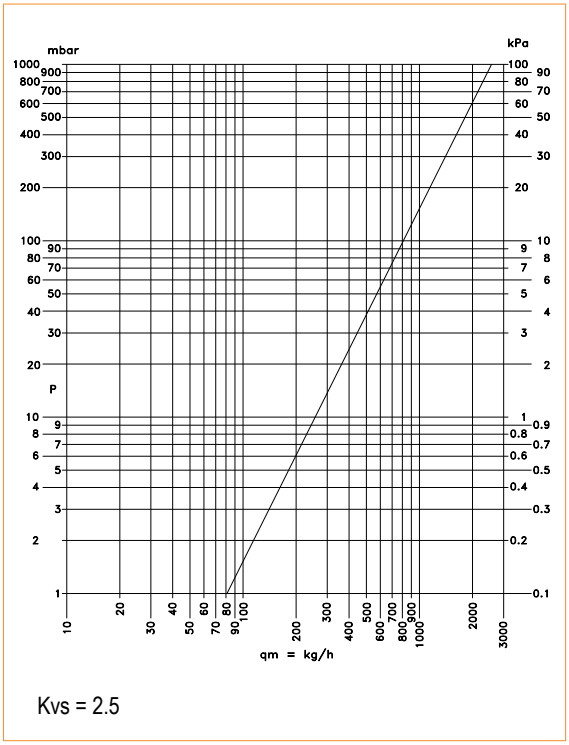
HYDRAULIC FEATURES

Flow manifold (single way)



#	1	2	3	4	5	6	7	8	9	10	11	12	13	14
↺	1	1¼	1½	1¾	2	2¼	2¾	3½	5	6¼	7	7½	8	Max
Kv	0.06	0.11	0.21	0.31	0.37	0.52	0.78	1.03	1.30	1.56	1.82	2.08	2.34	2.60

Return manifold (single way)



Kvs = 2.5

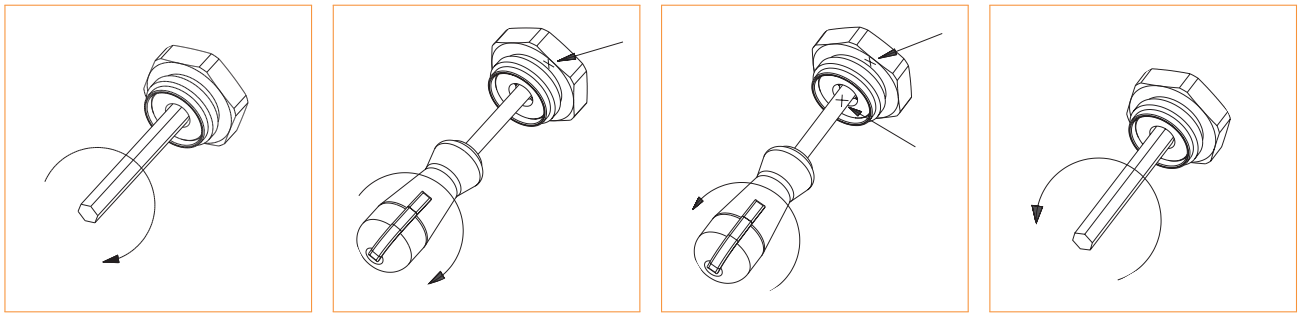
↺ = number of turns from closure position
Max = completely open position

OPERATING INSTRUCTIONS

Adjustment

Flow manifolds feature double-micrometric-adjustment lockshields to balance the flow rates of the different distribution circuits. For a correct adjustment, proceed as follows:

1. Use a screwdriver to unscrew and extract the notched screw located in the hexagonal key-way;
2. Use a 5 mm allen key to close the large adjustment screw (Fig.1a);
3. Screw the notched screw all the way back in. Then, mark the adjustment reference point with an “x” (Fig.1b);
4. Align the screwdriver with the “x”;
5. Loosen the screw by the proper number of turns (Fig.1c), based on the relative Kv diagram;
6. Open the large screw completely (Fig.1d).



(a) (b) (c) (d)

Fig. 1: Lockshield adjustment.

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