

# 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

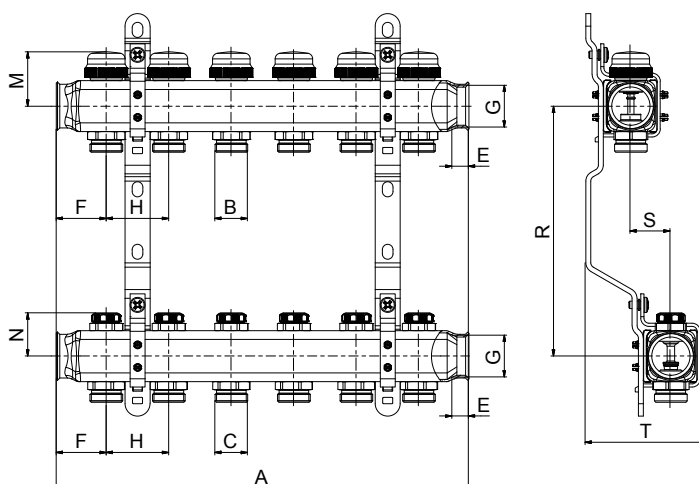
Max operating temperature: 90 °C  
Max operating pressure: 10 bar

### ■ 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

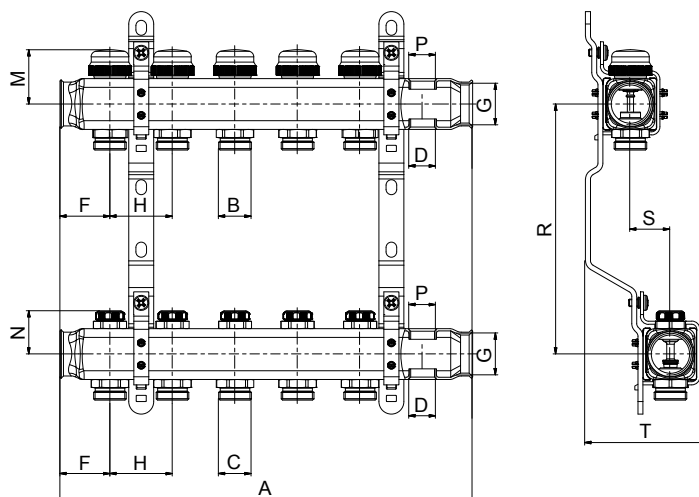
**CI 588C. Manifold kit 1"×EK with brackets, flow lockshield-type balancing devices and return shut-off valves suitable to thermostatic or manual control.**



**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.**

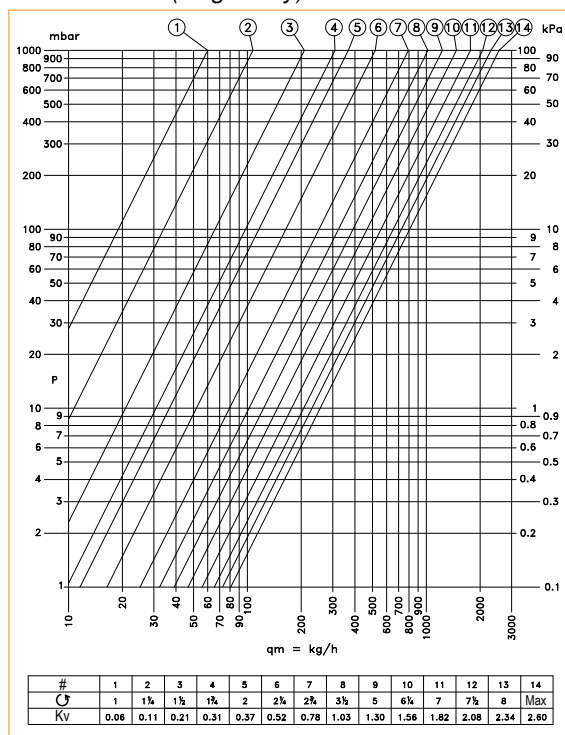


#### CI 585C - Dimensions and product codes

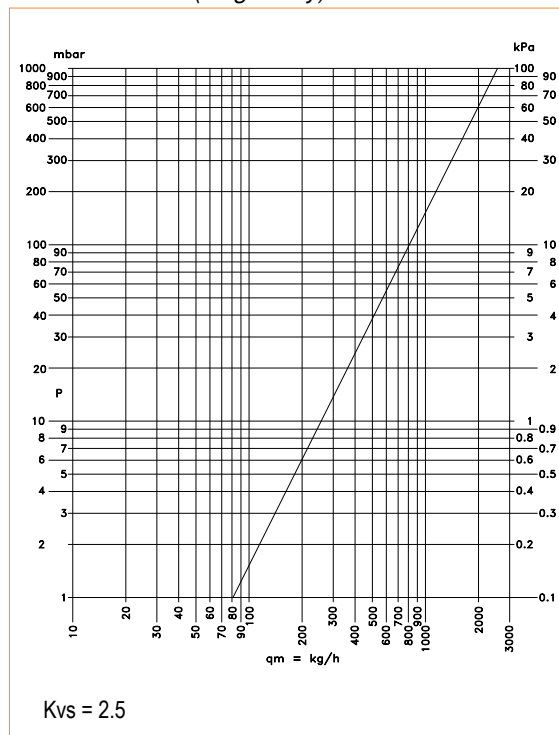
WAYS	COD.	SIZE	A	B	C	D	F	G	H	M	N	P	R	S	T
2	503522	1"×EK	180	3/4"	3/4"	1/2"	40	1"	50	44	35	1/2"	200	32	100
3	503523		230												
4	503524		280												
5	503525		330												
6	503526		380												
7	503527		430												
8	503528		480												
9	503529		530												
10	503530		580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

## HYDRAULIC FEATURES

Flow manifold (single way)



Return manifold (single way)



○ = number of turns from closure position

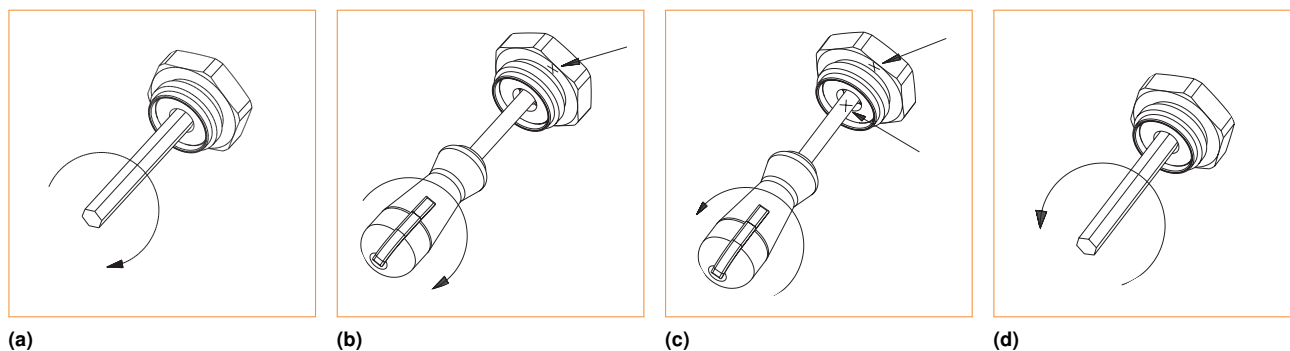
Max = completely open position

## 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).



**Fig. 1:** Lockshield adjustment.

I.V.A.R. S.p.A.  
Via IV Novembre 181  
25080 Prevalle (BS)  
Tel. +39 030 68028  
Fax +39 030 6801329  
[www.ivar.eu](http://www.ivar.eu) - [info@ivar.eu](mailto:info@ivar.eu)

*I.V.A.R. S.p.A. reserves the right to make enhancements and changes to products and relative documentation at any time without prior notice. All rights reserved. Reproduction, even partial, is forbidden without prior permission by the copyright owner.*