

Tech Data

Stainless Steel Manifold Kit



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"). Headers are supplied in flow/return pairs, mounted on fastening brackets: return header features shut-off valves with disc valve, while flow headers features flow meter measurement and balancing devices.

■ TECHNICAL FEATURES

Max operating temperature: 90 °C

Max operating pressure: 10 bar

Flow Meter

Adjustment range: 0 : 1.3 gpm

Precision: ±10 %

■ 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

Flow Meter

Body: PPA

Shutter: PA MXD6

Seal: peroxide EPDM

Lock ring: PPO and PS blend

Indicator: PA 12

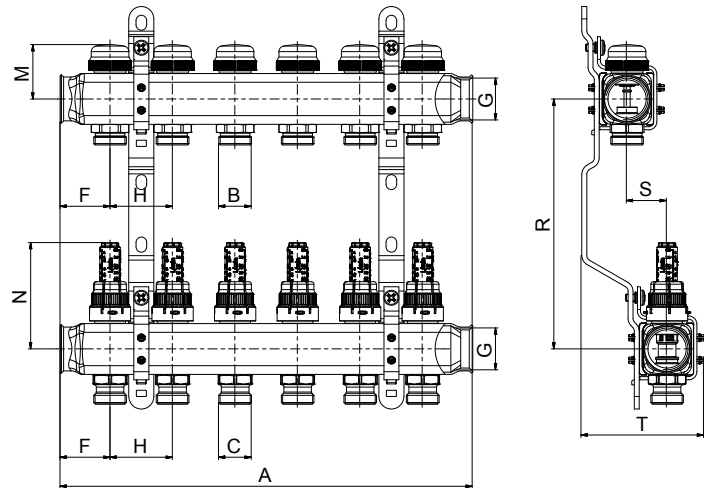
Spindle: PSU

Spyglass: transparent PA 12

Cover: ABS

■ DIMENSIONS

Manifold kit 1"×EK with brackets, flow balancing/metering devices and return shut-off valves suitable to thermostatic or manual control.



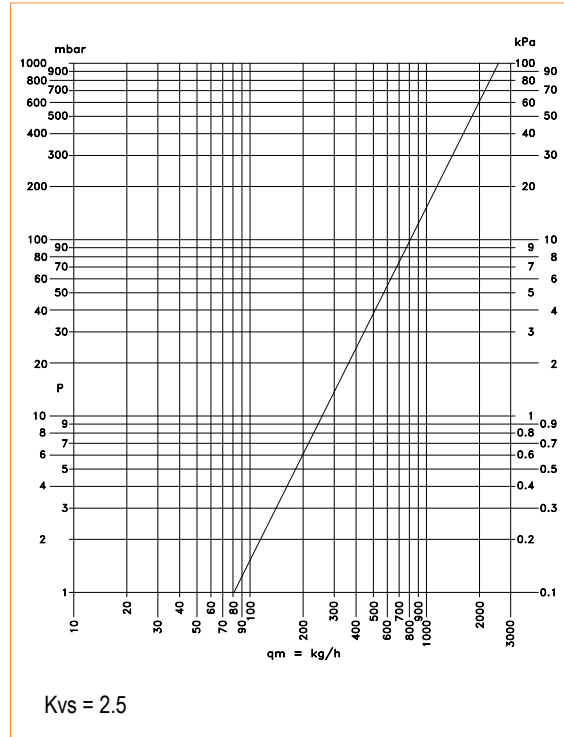
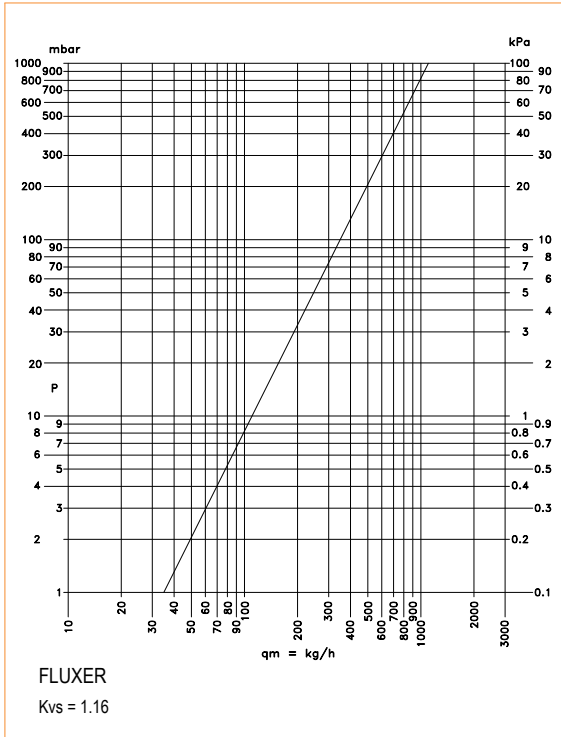
CI 589C - Dimensions and product codes

Loops	Part No.	SIZE	A	B	C	D	F	G	H	M	N	P	R	S	T	
2	763510002-S	1"	130													
3	763510003-S		180													
4	763510004-S		230													
5	763510005-S		280													
6	763510006-S		330													
7	763510007-S		380													
8	763510008-S		430		3/4"	3/4"	-	40	1"	50	44	85	-	200	32	100
9	763510009-S		480													
10	763510010-S		530													
11	763510011-S		580													
12	763510012-S		630													

■ HYDRAULIC FEATURES

Flow manifold (single way)

Return manifold (single way)



Manifold Cv factor = 3.2

■ OPERATING INSTRUCTIONS

Adjustment

Flow meter devices allow the adjustment and the balancing of each outtake and keep memory of the selected position in case of temporary closure due to maintenance operations. In order to perform a correct adjustment, proceed as follows:

1. Remove the orange cover as in Fig.1-A;
2. Set the Flow meter in closure position by turning the upper lock ring in the direction indicated by the arrow in Fig.1-B; NB: in closure position, the indicator points a null flow-rate;
3. Open the device by turning the same lock ring in the opposite direction (Fig.1-C), and check the correct flow rate through the spyglass;
4. Screw the lower lock ring in the direction indicated in Fig.1-D, until mechanical stop;
5. Put back the orange cover (Fig.1-E);

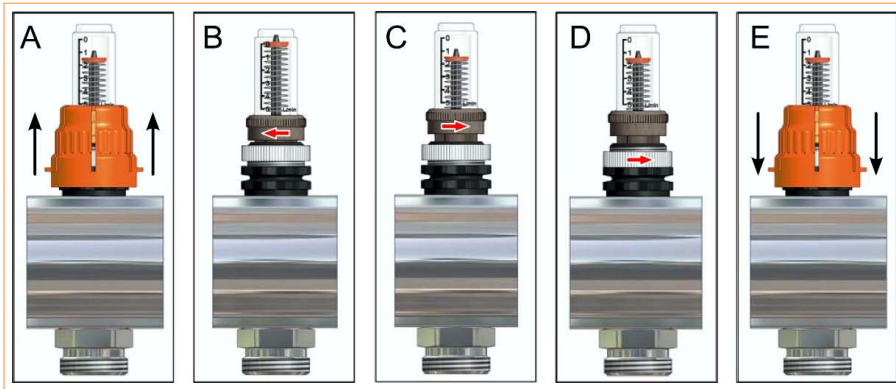


Fig. 1: Flow meter adjustment and block.