



Kit made of flow manifold with FLUXER, return manifold with shut-off valves with protection cap for thermostatic insert

► CI 586 C - CI 589 C

Kit made of flow manifold with flow meters/adjusters FLUXER (0-5 l/min), return manifold with shut-off valves with protection cap for thermostatic insert, brackets and EUROK connections. Also available with additional connections for filling/drainage valves and air vent valves.

■ PRESENTATION



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" and 1" 1/4 female according to ISO 228 standard. The threads of the joints are made with brass inserts (CW617N, EUROKONUS). Manifolds can also be supplied in flow/return pairs, mounted on fastening brackets: return manifold features shut-off valves with protective cap for thermostatic insert, while flow manifold features FLUXER flow meters/adjusters.

All IVAR stainless steel manifolds with 1" main connections can be misaligned, thanks to the new design with asymmetrical interaxes.

■ MATERIALS

MANIFOLD

- Manifold body: stainless steel AISI 304
- Brass parts: CW 617 N
- Seal parts: peroxide EPDM
- Shut-off valve ball: PPA body; brass stem; steel spindle
- Protecting caps: ABS

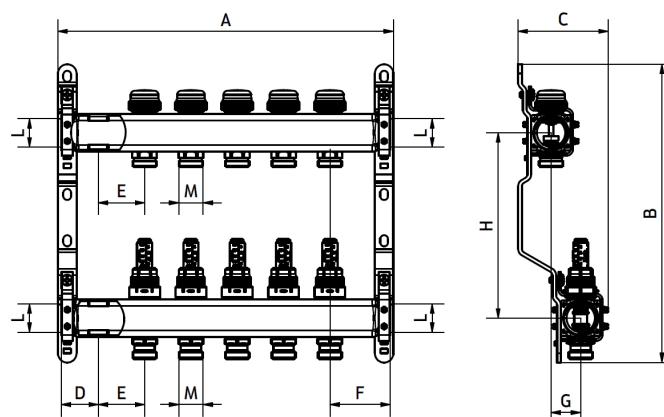
FLUXER

- 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

■ TECHNICAL DETAILS

Max operating temperature	90 °C
Max operating pressure	10 bar
FLUXER	Adjustment range: 0÷5 l/min Precision: ±10 %

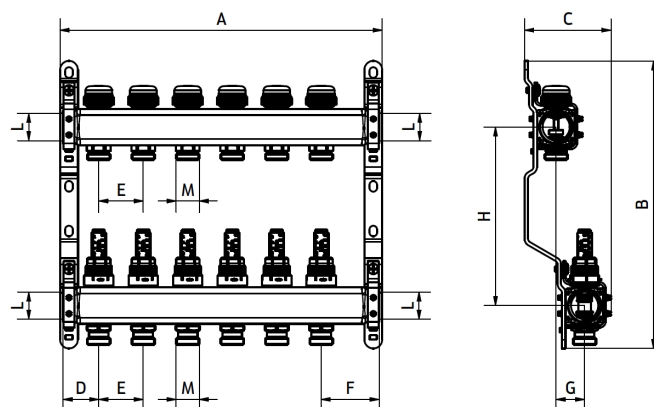
DIMENSIONS



Art.	Cod.	A	B	C	D	E	F	G	H	L	M
CI586C	503542	212	322	97	40	50	65	32	200	G1	G3/4
CI586C	503543	262	322	97	40	50	65	32	200	G1	G3/4
CI586C	503544	312	322	97	40	50	65	32	200	G1	G3/4
CI586C	503545	362	322	97	40	50	65	32	200	G1	G3/4
CI586C	503546	412	322	97	40	50	65	32	200	G1	G3/4
CI586C	503547	462	322	97	40	50	65	32	200	G1	G3/4
CI586C	503548	512	322	97	40	50	65	32	200	G1	G3/4
CI586C	503549	562	322	97	40	50	65	32	200	G1	G3/4
CI586C	503550	612	322	97	40	50	65	32	200	G1	G3/4
CI586C	503551	662	322	97	40	50	65	32	200	G1	G3/4
CI586C	503552	712	322	97	40	50	65	32	200	G1	G3/4

All indicated manifolds can be selected with a depth of 80 mm by adding the final suffix "P80" to the product code.

Art.	Cod.	A	B	C	D	E	F	G	H	L	M
CI586C	514222	215	323	109	57.5	50	57.5	32	200	G1 1/4	G3/4
CI586C	514223	265	323	109	57.5	50	57.5	32	200	G1 1/4	G3/4
CI586C	514224	315	323	109	57.5	50	57.5	32	200	G1 1/4	G3/4
CI586C	514225	365	323	109	57.5	50	57.5	32	200	G1 1/4	G3/4
CI586C	514226	415	323	109	57.5	50	57.5	32	200	G1 1/4	G3/4
CI586C	514227	465	323	109	57.5	50	57.5	32	200	G1 1/4	G3/4
CI586C	514228	515	323	109	57.5	50	57.5	32	200	G1 1/4	G3/4
CI586C	514229	565	323	109	57.5	50	57.5	32	200	G1 1/4	G3/4
CI586C	514230	615	323	109	57.5	50	57.5	32	200	G1 1/4	G3/4
CI586C	514231	665	323	109	57.5	50	57.5	32	200	G1 1/4	G3/4
CI586C	514232	715	323	109	57.5	50	57.5	32	200	G1 1/4	G3/4
CI586C	514233	765	323	109	57.5	50	57.5	32	200	G1 1/4	G3/4
CI586C	514234	815	323	109	57.5	50	57.5	32	200	G1 1/4	G3/4
CI586C	514235	865	323	109	57.5	50	57.5	32	200	G1 1/4	G3/4

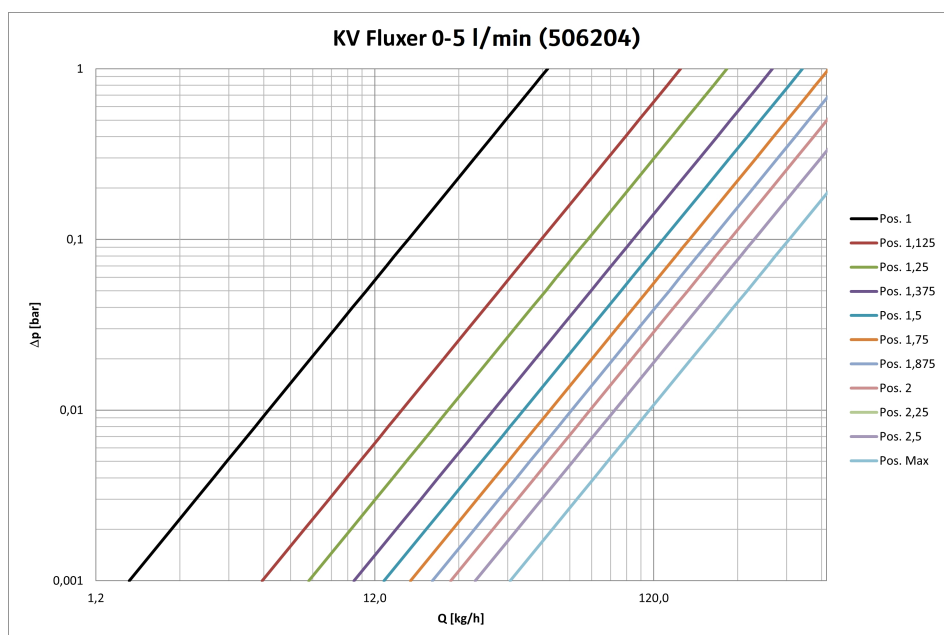


Art.	Cod.	A	B	C	D	E	F	G	H	L	M
CI589C	503202	162	322	97	40	50	65	32	200	G1	G3/4
CI589C	503203	212	322	97	40	50	65	32	200	G1	G3/4
CI589C	503204	262	322	97	40	50	65	32	200	G1	G3/4
CI589C	503205	312	322	97	40	50	65	32	200	G1	G3/4
CI589C	503206	362	322	97	40	50	65	32	200	G1	G3/4
CI589C	503207	412	322	97	40	50	65	32	200	G1	G3/4
CI589C	503208	462	322	97	40	50	65	32	200	G1	G3/4
CI589C	503209	512	322	97	40	50	65	32	200	G1	G3/4
CI589C	503210	562	322	97	40	50	65	32	200	G1	G3/4
CI589C	503211	612	322	97	40	50	65	32	200	G1	G3/4
CI589C	503212	662	322	97	40	50	65	32	200	G1	G3/4
CI589C	503213	712	322	97	40	50	65	32	200	G1	G3/4

All indicated manifolds can be selected with a depth of 80 mm by adding the final suffix "P80" to the product code.

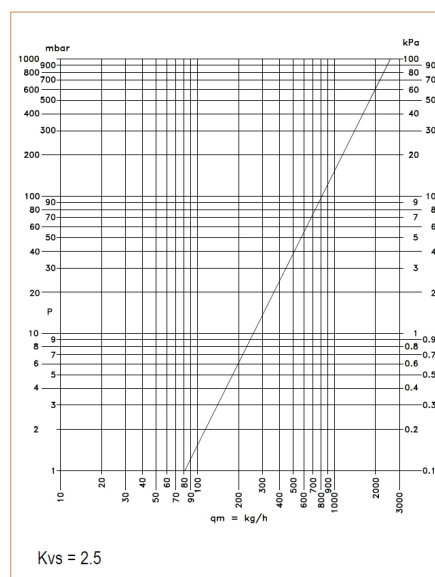
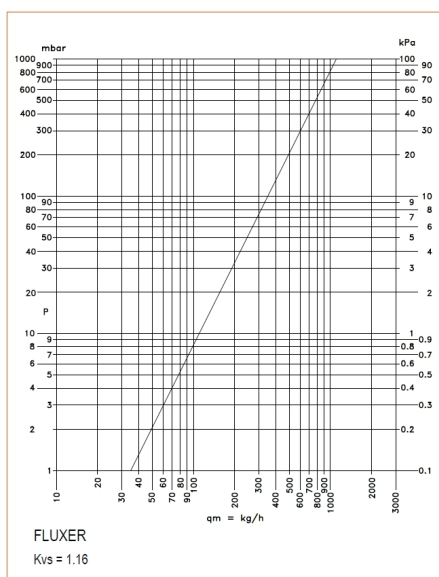
Art.	Cod.	A	B	C	D	E	F	G	H	L	M
CI589C	514202	165	323	109	57.5	50	57.5	32	200	G1 1/4	G3/4
CI589C	514203	215	323	109	57.5	50	57.5	32	200	G1 1/4	G3/4
CI589C	514204	265	323	109	57.5	50	57.5	32	200	G1 1/4	G3/4
CI589C	514205	315	323	109	57.5	50	57.5	32	200	G1 1/4	G3/4
CI589C	514206	365	323	109	57.5	50	57.5	32	200	G1 1/4	G3/4
CI589C	514207	415	323	109	57.5	50	57.5	32	200	G1 1/4	G3/4
CI589C	514208	465	323	109	57.5	50	57.5	32	200	G1 1/4	G3/4
CI589C	514209	515	323	109	57.5	50	57.5	32	200	G1 1/4	G3/4
CI589C	514210	565	323	109	57.5	50	57.5	32	200	G1 1/4	G3/4
CI589C	514211	615	323	109	57.5	50	57.5	32	200	G1 1/4	G3/4
CI589C	514212	665	323	109	57.5	50	57.5	32	200	G1 1/4	G3/4
CI589C	514213	715	323	109	57.5	50	57.5	32	200	G1 1/4	G3/4
CI589C	514214	765	323	109	57.5	50	57.5	32	200	G1 1/4	G3/4
CI589C	514215	815	323	109	57.5	50	57.5	32	200	G1 1/4	G3/4
CI589C	514216	865	323	109	57.5	50	57.5	32	200	G1 1/4	G3/4

■ HYDRAULIC FEATURES



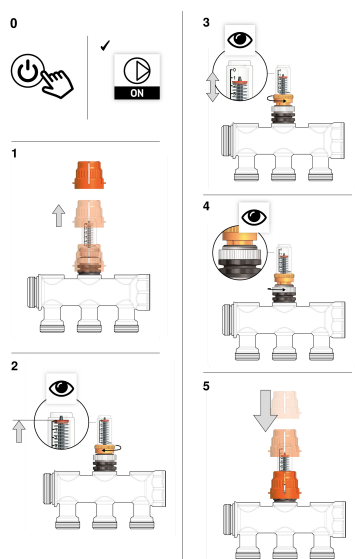
Position	1	2	3	4	5	6	7	8	9	10	11
Turns	1	1.125	1.25	1.375	1.5	1.75	2.0	2.25	2.5	2.75	Open
Kv	0,05	0,15	0,22	0,32	0,41	0,51	0,61	0,71	0,87	1,02	1,16

CI 586 C - CI 589 C - flow manifold (1 way) and delivery manifold (1 way)



■ ADJUSTMENT INSTRUCTIONS

Flow Meter devices allow the adjustment and the balancing of each outlet 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:



0. Activate the system.

1. Remove the orange cover.

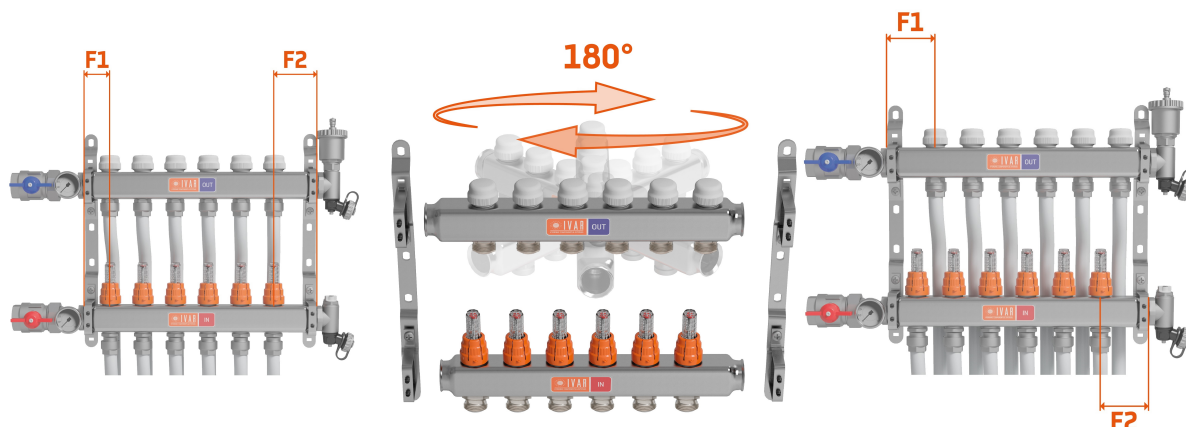
2. Move the Flow Meter to the closed position by turning the upper ring nut clockwise. The displayed flow rate value must be zero (can be viewed inside the slide).

3. Move the Flow Meter to the open position corresponding to the correct flow rate value by turning the upper ring nut counterclockwise.

4. Secure the position memory by turning the lower ring nut counterclockwise until it stops.

5. Replace the orange cover. Afterwards it will be possible to close or open the extension up to the maximum set by the position memory, directly by turning the orange cover clockwise or counterclockwise respectively.

■ CONSTRUCTION DETAILS



On versions of the 1-inch IVAR stainless steel manifolds, the F1 size is 40 mm and F2 is 65 mm. In the images above, a classic example of installation for a manifold kit consisting of flow and return is shown.

If you rotate one of the two manifolds 180°, you will get a misalignment of the outlets. This feature greatly facilitates the subsequent installation of the flow and return pipes.

■ SPECIFICATION SUMMARY

CI 586 C

Stainless steel manifold kit consisting of flow manifold with FLUXER flow meters/regulators (0÷5 l/min) with position memory, return manifold equipped with shut-off valves with thermostatically controlled screw, protection cap and brackets. Complete with additional way for installation of relief valve and loading/unloading taps. Operating fluid: water or glycol solutions (maximum glycol percentage 30%). Maximum working temperature: 90 °C. Maximum working pressure: 10 bar. FLUXER adjustment scale: 0÷5 l/min. FLUXER accuracy: ±10%. Collector body: AISI 304 stainless steel. Brass parts: brass CW617N. Gaskets and o-rings: peroxide EPDM. Thermostatic screw: PPA body; brass rod CW617N; stainless steel AISI 316L pin. Protection cap: ABS. Centre distance: 50 mm. Main connections: 1" F-1" 1/4 compliant with ISO 228-1. Outlets: EUROK. Standard installation depth: 110 mm. Reduced installation depth: 80 mm (suffix P80). Number of ways: 2-12.

CI 589 C

Stainless steel manifold kit consisting of flow manifold with FLUXER flow meters/regulators (0÷5 l/min) with position memory, return manifold equipped with shut-off valves with thermostatically controlled screw, protection cap and brackets. Operating fluid: water or glycol solutions (maximum glycol percentage 30%). Maximum working temperature: 90 °C. Maximum working pressure: 10 bar. FLUXER adjustment scale: 0÷5 l/min. FLUXER accuracy: ±10%. Collector body: AISI 304 stainless steel. Brass parts: brass CW617N. Gaskets and o-rings: peroxide EPDM. Thermostatic screw: PPA body; brass rod CW617N; stainless steel AISI 316L pin. Protection cap: ABS. Centre distance: 50 mm. Main connections: 1" F-1" 1/4 compliant with ISO 228-1. Outlets: EUROK. Standard installation depth: 110 mm. Reduced installation depth: 80 mm (suffix P80). Number of ways: 2-13.

■ CODES

CI 586 C

	Ways	Size	Deep
503542P80	2	1" x EUROK	80 mm
503543P80	3	1" x EUROK	80 mm
503544P80	4	1" x EUROK	80 mm
503545P80	5	1" x EUROK	80 mm
503546P80	6	1" x EUROK	80 mm
503547P80	7	1" x EUROK	80 mm
503548P80	8	1" x EUROK	80 mm
503549P80	9	1" x EUROK	80 mm
503550P80	10	1" x EUROK	80 mm
503551P80	11	1" x EUROK	80 mm
503552P80	12	1" x EUROK	80 mm

	Ways	Size	Deep
503542	2	1" x EUROK	110 mm
503543	3	1" x EUROK	110 mm
503544	4	1" x EUROK	110 mm
503545	5	1" x EUROK	110 mm
503546	6	1" x EUROK	110 mm
503547	7	1" x EUROK	110 mm
503548	8	1" x EUROK	110 mm
503549	9	1" x EUROK	110 mm
503550	10	1" x EUROK	110 mm
503551	11	1" x EUROK	110 mm
503552	12	1" x EUROK	110 mm

	Ways	Size	Deep
514222	2	1" 1/4 x EUROK	110 mm
514223	3	1" 1/4 x EUROK	110 mm
514224	4	1" 1/4 x EUROK	110 mm
514225	5	1" 1/4 x EUROK	110 mm
514226	6	1" 1/4 x EUROK	110 mm

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514227	7	1" 1/4 x EUROK	110 mm
514228	8	1" 1/4 x EUROK	110 mm
514229	9	1" 1/4 x EUROK	110 mm
514230	10	1" 1/4 x EUROK	110 mm
514231	11	1" 1/4 x EUROK	110 mm
514232	12	1" 1/4 x EUROK	110 mm

CI 589 C

	Ways	Size	Deep
503202P80	2	1" x EUROK	80 mm
503203P80	3	1" x EUROK	80 mm
503204P80	4	1" x EUROK	80 mm
503205P80	5	1" x EUROK	80 mm
503206P80	6	1" x EUROK	80 mm
503207P80	7	1" x EUROK	80 mm
503208P80	8	1" x EUROK	80 mm
503209P80	9	1" x EUROK	80 mm
503210P80	10	1" x EUROK	80 mm
503211P80	11	1" x EUROK	80 mm
503212P80	12	1" x EUROK	80 mm
503213P80	13	1" x EUROK	80 mm

	Ways	Size	Deep
503202	2	1" x EUROK	110 mm
503203	3	1" x EUROK	110 mm
503204	4	1" x EUROK	110 mm
503205	5	1" x EUROK	110 mm
503206	6	1" x EUROK	110 mm
503207	7	1" x EUROK	110 mm
503208	8	1" x EUROK	110 mm
503209	9	1" x EUROK	110 mm
503210	10	1" x EUROK	110 mm
503211	11	1" x EUROK	110 mm
503212	12	1" x EUROK	110 mm
503213	13	1" x EUROK	110 mm

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	Ways	Size	Deep
514202	2	1" 1/4 x EUROK	110 mm
514203	3	1" 1/4 x EUROK	110 mm
514204	4	1" 1/4 x EUROK	110 mm
514205	5	1" 1/4 x EUROK	110 mm
514206	6	1" 1/4 x EUROK	110 mm
514207	7	1" 1/4 x EUROK	110 mm
514208	8	1" 1/4 x EUROK	110 mm
514209	9	1" 1/4 x EUROK	110 mm
514210	10	1" 1/4 x EUROK	110 mm
514211	11	1" 1/4 x EUROK	110 mm
514212	12	1" 1/4 x EUROK	110 mm
514213	13	1" 1/4 x EUROK	110 mm

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