



# Kit made of stainless steel flow and return manifold

## ► KCA 02 A

*Kit made of stainless steel flow and return manifold, complete with flow meters, isolation valves, brackets, ball valves and accessories*

### ■ 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" female according to ISO 228 standard. The threads of the joints are made with brass inserts (CW617N, EUROKONUS). Manifolds are 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 1" IVAR stainless steel manifolds can be misaligned, thanks to the new design with asymmetrical centre distances.

### ■ TECHNICAL DETAILS

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

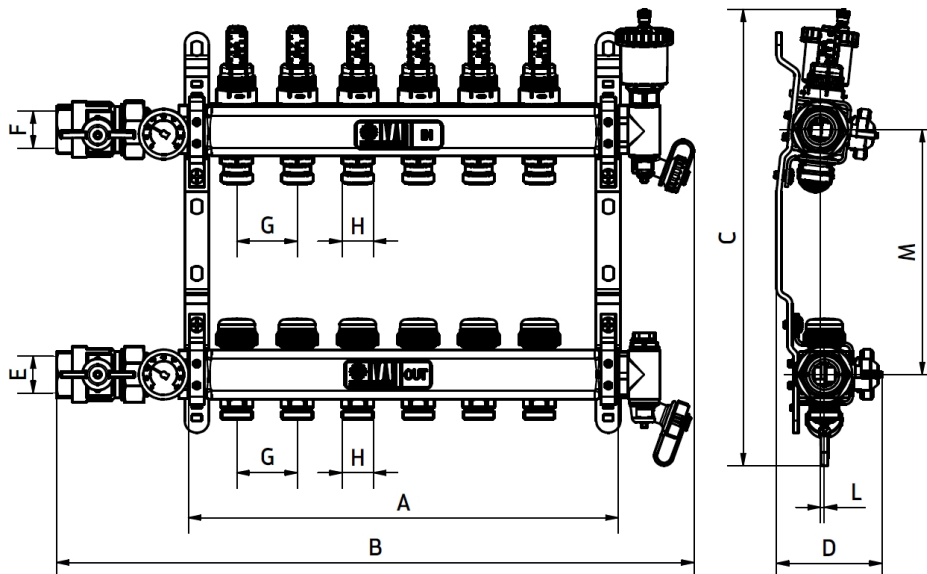
### ■ MATERIALS

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

## FLUXER

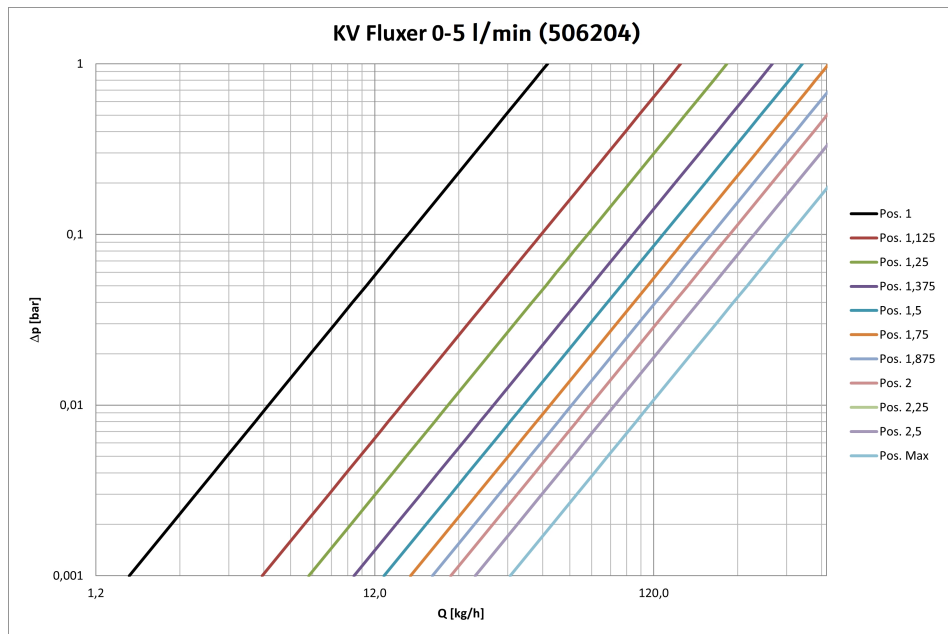
- Body: PPA
- Shutter: PA MXD6
- Seal: peroxide EPDM
- Lock ring: PPO and PS blend
- Indicator: PA 12
- Spindle: PSU
- Spyglass: transparent PA 12
- Cover: ABS

## ■ DIMENSIONS



Cod.	A	B	C	D	E	F	G	H	L	M
503202AIV	155	326.5	376.5	87	1"	1"	50	3/4"	3.5	200
503203AIV	205	376.5	376.5	87	1"	1"	50	3/4"	3.5	200
503204AIV	255	426.5	376.5	87	1"	1"	50	3/4"	3.5	200
503205AIV	305	476.5	376.5	87	1"	1"	50	3/4"	3.5	200
503206AIV	355	526.5	376.5	87	1"	1"	50	3/4"	3.5	200
503207AIV	405	576.5	376.5	87	1"	1"	50	3/4"	3.5	200
503208AIV	455	626.5	376.5	87	1"	1"	50	3/4"	3.5	200
503209AIV	505	676.5	376.5	87	1"	1"	50	3/4"	3.5	200
503210AIV	555	726.5	376.5	87	1"	1"	50	3/4"	3.5	200
503211AIV	605	776.5	376.5	87	1"	1"	50	3/4"	3.5	200
503212AIV	655	826.5	376.5	87	1"	1"	50	3/4"	3.5	200
503213AIV	705	876.5	376.5	87	1"	1"	50	3/4"	3.5	200

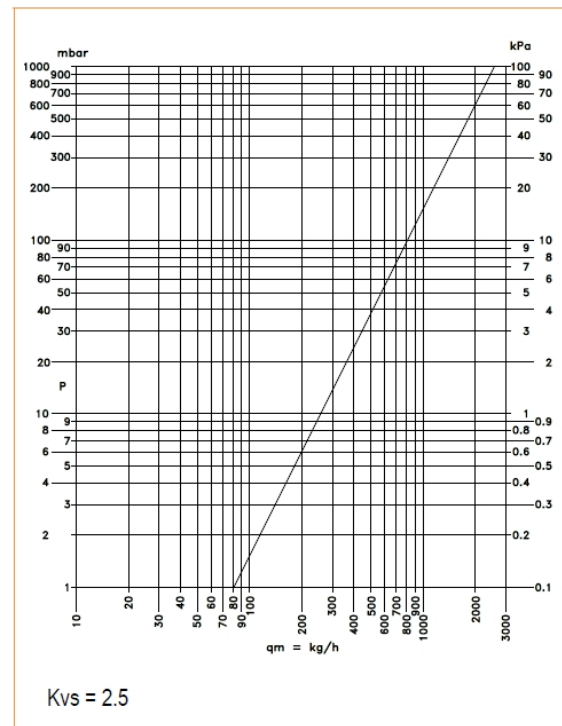
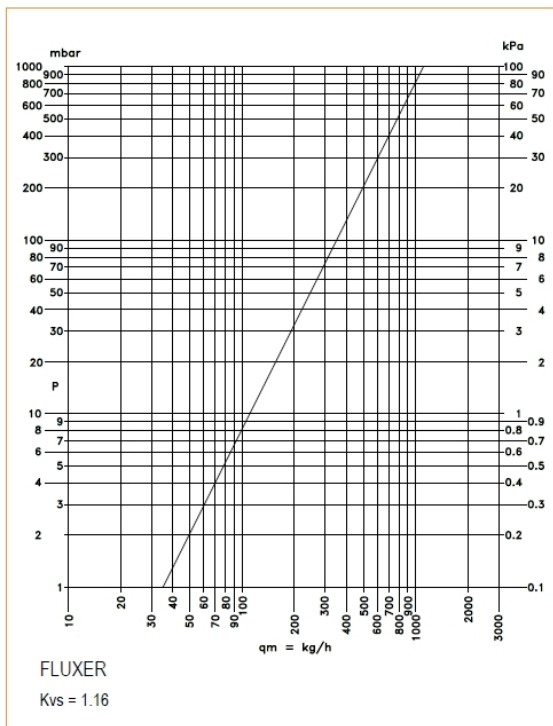
## ■ HYDRAULIC FEATURES



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

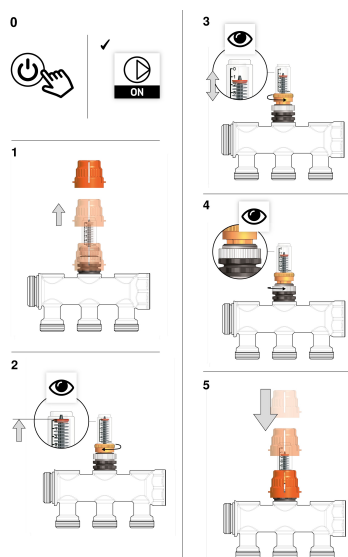
Flow manifold (single way)

Return manifold (single 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.

## ■ SPECIFICATION SUMMARY

<b>503202AIV</b>	Kit made of flow manifold with flow meters/adjusters FLUXER (0-5 l/min), return manifold with isolation valves with protection cap for thermostatic insert, brackets, straight ball valves with fitting, thermometers, terminals, filling/drainage valves, air vent valves and EUROK connections. 2 ways. Size: 1" x EUROK. Depth: 80 mm
<b>503203AIV</b>	Kit made of flow manifold with flow meters/adjusters FLUXER (0-5 l/min), return manifold with isolation valves with protection cap for thermostatic insert, brackets, straight ball valves with fitting, thermometers, terminals, filling/drainage valves, air vent valves and EUROK connections. 3 ways. Size: 1" x EUROK. Depth: 80 mm
<b>503204AIV</b>	Kit made of flow manifold with flow meters/adjusters FLUXER (0-5 l/min), return manifold with isolation valves with protection cap for thermostatic insert, brackets, straight ball valves with fitting, thermometers, terminals, filling/drainage valves, air vent valves and EUROK connections. 4 ways. Size: 1" x EUROK. Depth: 80 mm
<b>503205AIV</b>	Kit made of flow manifold with flow meters/adjusters FLUXER (0-5 l/min), return manifold with isolation valves with protection cap for thermostatic insert, brackets, straight ball valves with fitting, thermometers, terminals, filling/drainage valves, air vent valves and EUROK connections. 5 ways. Size: 1" x EUROK. Depth: 80 mm
<b>503206AIV</b>	Kit made of flow manifold with flow meters/adjusters FLUXER (0-5 l/min), return manifold with isolation valves with protection cap for thermostatic insert, brackets, straight ball valves with fitting, thermometers, terminals, filling/drainage valves, air vent valves and EUROK connections. 6 ways. Size: 1" x EUROK. Depth: 80 mm
<b>503207AIV</b>	Kit made of flow manifold with flow meters/adjusters FLUXER (0-5 l/min), return manifold with isolation valves with protection cap for thermostatic insert, brackets, straight ball valves with fitting, thermometers, terminals, filling/drainage valves, air vent valves and EUROK connections. 7 ways. Size: 1" x EUROK. Depth: 80 mm
<b>503208AIV</b>	Kit made of flow manifold with flow meters/adjusters FLUXER (0-5 l/min), return manifold with isolation valves with protection cap for thermostatic insert, brackets, straight ball valves with fitting, thermometers, terminals, filling/drainage valves, air vent valves and EUROK connections. 8 ways. Size: 1" x EUROK. Depth: 80 mm
<b>503209AIV</b>	Kit made of flow manifold with flow meters/adjusters FLUXER (0-5 l/min), return manifold with isolation valves with protection cap for thermostatic insert, brackets, straight ball valves with fitting, thermometers, terminals, filling/drainage valves, air vent valves and EUROK connections. 9 ways. Size: 1" x EUROK. Depth: 80 mm

<b>503210AIV</b>	Kit made of flow manifold with flow meters/adjusters FLUXER (0-5 l/min), return manifold with isolation valves with protection cap for thermostatic insert, brackets, straight ball valves with fitting, thermometers, terminals, filling/drainage valves, air vent valves and EUROK connections. 10 ways. Size: 1" x EUROK. Depth: 80 mm
<b>503211AIV</b>	Kit made of flow manifold with flow meters/adjusters FLUXER (0-5 l/min), return manifold with isolation valves with protection cap for thermostatic insert, brackets, straight ball valves with fitting, thermometers, terminals, filling/drainage valves, air vent valves and EUROK connections. 11 ways. Size: 1" x EUROK. Depth: 80 mm
<b>503212AIV</b>	Kit made of flow manifold with flow meters/adjusters FLUXER (0-5 l/min), return manifold with isolation valves with protection cap for thermostatic insert, brackets, straight ball valves with fitting, thermometers, terminals, filling/drainage valves, air vent valves and EUROK connections. 12 ways. Size: 1" x EUROK. Depth: 80 mm
<b>503213AIV</b>	Kit made of flow manifold with flow meters/adjusters FLUXER (0-5 l/min), return manifold with isolation valves with protection cap for thermostatic insert, brackets, straight ball valves with fitting, thermometers, terminals, filling/drainage valves, air vent valves and EUROK connections. 13 ways. Size: 1" x EUROK. Depth: 80 mm

## ■ CODES

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

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