

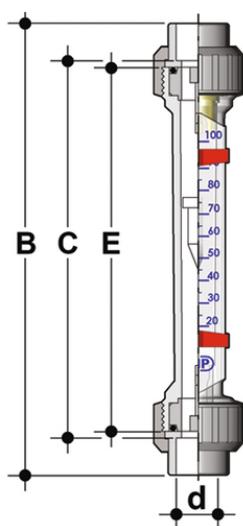
# FCIV-Polysulfone+magnet

Liquid density: 1.16 Kg/l - 20°C - ISO Metric socket unions

Float: PP (Polypropylene) red + Magnet

These flowmeters operate according to the variable area principle, where a float is suspended in upward flowing media in a tapered plastic tube. The vertical position of the float within the metering tube depends on the flowrate of the media. The metering tube is graduated in suitable flow units and the reading is taken in correspondence with the top edge of the float. Versions for liquids and gases are available, providing accurate and cost effective measurement with scales in l/h and Nm<sup>3</sup>/h.

- Metering tubes are available in Trogamid (PA) suitable for most inert media, PVC-U suitable for slight corrosive media and Polysulfone (PSU) suitable for corrosive media on an extended operating temperature range. End connectors available in PVC-U, PVC-C, PP, SS, Malleable Cast Iron. Male threads moulded onto the end of the metering tube are used for easy mounting of unions. Standard unions are in PVC-U but others are available according to the different working conditions; Metal unions widen the range of operating conditions such as pressure and temperature. The floats are available in Stainless Steel AISI 316 and in PP to match the proper chemical compatibility with the flow medium and to offer different measuring ranges. Magnetic Float option is available to be combined with micro switches for MIN and MAX alarm, clamped on the guide of the flowmeter. The micro switches, housing a bistable reed contact are activated by the passage of the magnet incorporated into the float. Flowmeters body are equipped with a double guide allowing the installation of two alarm in a very close position. Double scale option available for specific application requirements to customize measuring units for an easy conversion or comprehension of the flow rate values.
- Wide choice of measuring scales: water scale from 1,5 to 50.000 l/h, HCl scale from 1,4 to 23.000 l/h, NaOH 30% scale from 0,25 to 43.000 l/h, NaOH 50% scale from 0,025 to 40.000 l/h, Air scale from 0,025 to 500 Nm<sup>3</sup>/h • Wide choice of end connections available in PVC-U, PVC-C, PP-H, AISI 316 SS, Carbon Steel • Eight different diameters • Three different plastic tube materials: PA, PVC and PSU • Float materials available in SS and PP, with or without magnet • High level of accuracy: FS accuracy class 2,5; FC accuracy class 4 • Simple operation and very limited maintenance. • Other engineering units like LPM, m<sup>3</sup>/h or % together with double scales and special scales are available on request.



Reference	d	Flow rate range for \$ HCl 30 - 33% [l/h]	B	E	C
FCIV016P2M0014M	16	1,4 - 14	199	165	171
FCIV016P2M0018M	16	2 - 18	199	165	171
FCIV016P2M0045M	16	5 - 45	199	165	171
FCIV016P2M0090M	16	10 - 90	199	165	171
FCIV016P2M0140M	16	14 - 140	199	165	171

All information subject to change.

Please contact us on <https://www.aliaxis.co.uk/get-in-touch> for further informations

## FCIV-Polysulfone+magnet

Reference	d	Flow rate range for $\text{HCl}$ 30 – 33% [l/h]	B	E	C
FCIV020P2M0023M	20	2 – 23	208	170	176
FCIV020P2M0045M	20	5 – 45	208	170	176
FCIV020P2M0090M	20	10 – 90	208	170	176
FCIV020P2M0140M	20	14 – 140	208	170	176
FCIV020P2M0185M	20	19 – 185	208	170	176
FCIV020P2M0300M	20	30 – 300	208	170	176
FCIV025P2M0075M	25	7,5 – 75	229	185	191
FCIV025P2M0140M	25	14 – 140	229	185	191
FCIV025P2M0185M	25	19 – 185	229	185	191
FCIV025P2M0325M	25	30 – 325	229	185	191
FCIV025P2M0600M	25	45 – 600	229	185	191
FCIV032P2M0185M	32	19 – 185	250	200	206
FCIV032P2M0280M	32	28 – 280	250	200	206
FCIV032P2M0550M	32	55 – 550	250	200	206
FCIV032P2M0900M	32	90 – 900	250	200	206

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