

# FCFV-PVC-T+magnet

Liquid density: 1.16 Kg/l - 20°C - BSP socket threaded 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	R	Flow rate range for \$ HCl 30 - 33% [l/h]	B	E	C
FCFV012T2M0023M	1/2"	2 - 23	212	176	170
FCFV012T2M0045M	1/2"	5 - 45	212	176	170
FCFV012T2M0090M	1/2"	10 - 90	212	176	170
FCFV012T2M0140M	1/2"	14 - 140	212	176	170
FCFV012T2M0185M	1/2"	19 - 185	212	176	170

All information subject to change.

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

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Reference	R	Flow rate range for \$ HCl 30 - 33% [l/h]	B	E	C
FCFV012T2M0300M	1/2"	30 - 300	212	176	170
FCFV034T2M0075M	3/4"	7,5 - 75	232	191	185
FCFV034T2M0140M	3/4"	14 - 140	232	191	185
FCFV034T2M0185M	3/4"	19 - 185	232	191	185
FCFV034T2M0325M	3/4"	30 - 325	232	191	185
FCFV034T2M0600M	3/4"	45 - 600	232	191	185
FCFV038T2M0014M	3/8"	1,4 - 14	198	171	165
FCFV038T2M0018M	3/8"	2 - 18	198	171	165
FCFV038T2M0045M	3/8"	5 - 45	198	171	165
FCFV038T2M0090M	3/8"	10 - 90	198	171	165
FCFV038T2M0140M	3/8"	14 - 140	198	171	165
FCFV100T2M0185M	1"	19 - 185	251	206	200
FCFV100T2M0280M	1"	28 - 280	251	206	200
FCFV100T2M0550M	1"	55 - 550	251	206	200
FCFV100T2M0900M	1"	90 - 900	251	206	200

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