

MMPVC+ Series

Low cost, plastic bodied Pelton Wheel flowmeter with inline pipe connections, providing a pulse output

Model Type	Flow Rate Range	Pressure Drop	Pipe Size	Weight
MMPVC.12.5	1 to 65 l/min	0.2 bar @ 32l/min; 0.9 bar @ 65 l/min	½" Plain Pipe ends for solvent welding	0.6 kg
MMPVC.20	2 to 130 l/min	0.17 bar @ 65 l/min; 0.69 bar @ 130 l/min	¾" Plain Pipe ends for solvent welding	0.8 kg
MMPVC.25	3 to 160 l/min	0.17 bar @ 80 l/min; 0.69 bar @ 160 l/min	1" Plain Pipe ends for solvent welding	1.0 kg
MMPVC.30	5 to 220 l/min	0.17 bar @ 110 l/min; 0.69 bar @ 220 l/min	1¼" Plain Pipe ends for solvent welding	1.2 kg
MMPVC.37	7 to 350 l/min	0.17 bar @ 175l/min; 0.7 bar @ 350 l/min	1 ½" Wafer fitting	0.9 kg
MMPVC.50	10 to 500 l/min	0.17 bar @ 250 l/min; 0.7 bar @ 500 l/min	2" Wafer fitting	1 kg
MMPVC.62*	20 to 800 l/min	0.17 bar @ 400 l/min; 0.7 bar @ 800 l/min	2 ½" Wafer fitting	1.2 kg
MMPVC.75*	25 to 1300 l/min	0.17 bar @ 650 l/min; 0.7 bar @ 1300 l/min	3" Wafer fitting	1.1 kg
MMPVC.100*	25 to 2200 l/min	0.17 bar @ 1100l/min; 0.7 bar @ 2200 l/min	4" Wafer fitting	2 kg
MMPVC.150*	100 to 5000 l/min	0.17 bar @ 2500 l/min; 0.7 bar @ 5000 l/min	6" Wafer fitting	3 kg
MMPVC.200L*	300 to 5500 l/min	0.17 bar @ 4000l/min; 0.7 bar @ 8000 l/min	8" Wafer fitting	4 kg

* Special Order

Common Features:

Pressure Rating	Designed for mains water pressure service
Temperature Rating	40°C
Viscosity Range	Up to 10 cPs; ring factory if higher
Accuracy	±2% of actual reading for the top 90% of range. ±0.5% FSD for the bottom 10% of range.
Repeatability	±0.2% reading over top 90% of range
Body / Internals	PVC with 316SS with Teflon PFA rotor and sapphire/sapphire bearings
Ferrites	Sealed
Seal	FPM O ring
Wetted parts of sensing electronics	316SS
External materials of sensing electronics	316SS or 303SS and anodised aluminium
Output & Power	NPN open collector with 4-way M12 sensor connector [IEC-61076-2-101] – e.g. compatible with Brad Harrison, Hirschmann, ERNI and Turck Banner. Supplied with 5m cable – bare ends. 8 to 28Vdc input.

Options:

Output	PNP or TTL (identified by green or blue cap respectively). Also divide by 4 and divide by 10 function
Temperature	Alternate ratings available in different styles, consult factory
Pressure	Higher ratings available in alternate styles to 40, 100, 345, 690 and 1034bar
Seals	FEP covered Silicon, EPDM or Kalrez
IS Hazardous Area Version ATEX	Available at extra cost to EEx ia IIC T5 with a threaded body
Connections	BSP, NPT, plain od pipe for butt welding or flanges
Flow rate	Alternate meters available, covering higher and lower flowrates
Connection size	In certain applications the flow range given above can be obtained with larger or smaller connection sizes - contact factory for details

Documentation:

Operating and Maintenance Manual	LM0110 with General Information LM0092
Installation Drawing	C3678 and general installation C3729

These products conform to PED and EMC. ATEX option available.

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