

MMSPFA+ Series

Pelton Wheel flowmeter with 316 stainless steel body, providing a pulse output

Model Type	Flow Rate Range	Pressure Drop	Pipe Size	Weight
MMSPFA.12.5	1 to 65 l/min	0.2 bar @ 32l/min; 0.9 bar @ 65 l/min	½" BSP female	2.5 kg
MMSPFA.20	2 to 130 l/min	0.17 bar @ 65 l/min; 0.69 bar @ 130 l/min	¾" BSP female	2.5 kg
MMSPFA.25	3 to 160 l/min	0.17 bar @ 80 l/min; 0.69 bar @ 160 l/min	1" BSP female	4 kg
MMSPFA.30	5 to 220 l/min	0.17 bar @ 110 l/min; 0.69 bar @ 220 l/min	1¼" BSP female	4 kg
MMSPFA.37	7 to 350 l/min	0.17 bar @ 175l/min; 0.7 bar @ 350 l/min	1 ½" Wafer fitting	4 kg
MMSPFA.50	10 to 500 l/min	0.17 bar @ 250 l/min; 0.7 bar @ 500 l/min	2" Wafer fitting	4 kg
MMSPFA.62*	20 to 800 l/min	0.17 bar @ 400 l/min; 0.7 bar @ 800 l/min	2 ½" Wafer fitting	kg
MMSPFA.75*	25 to 1300 l/min	0.17 bar @ 650 l/min; 0.7 bar @ 1300 l/min	3" Wafer fitting	kg
MMSPFA.100*	25 to 2200 l/min	0.17 bar @ 1100l/min; 0.7 bar @ 2200 l/min	4" Wafer fitting	kg
MMSPFA.150*	100 to 5000 l/min	0.17 bar @ 2500 l/min; 0.7 bar @ 5000 l/min	6" Wafer fitting	kg
MMSPFA.200L*	300 to 5500 l/min	0.17 bar @ 4000 l/min; 0.7 bar @ 8000 l/min	8" Wafer fitting	kg

* On special order

Common Features:

Pressure Rating	40 bar
Temperature Rating	70°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	316SS with Teflon PFA rotor and sapphire/sapphire bearings
Ferrites	Sealed
Seal	FPM O ring (subject to chemical compatibility)
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
Connections	BSP, NPT, plain od pipe for butt welding or flanges available in alternate sizes and styles
Flow rate, temperature and pressure	Alternate ratings available in different sizes and styles, consult factory for further details
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
SB IS Electronics pickup	For use when instrumentation is also included in the hazardous area.

Documentation:

Operating and Maintenance Manual	LM0111 with General Information LM0092
Installation Drawing	C3706 and general installation C3729

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