

Product Description

Paddle Wheel Flow Sensor:

Types of Sensor Installation Fittings:

- Weld Block
- S.S T Fitting with Threaded End
- S.S T Fittings with Stud End
- S.S. T Fitting with Welded Flange
- Weld Adapter

Applications:

- Water Treatment
- Filtration Systems
- Chemical / Pharmaceutical
- Bottling / Distillary
- Concrete Batching plant
- Textile / Process machine automation

Technical Specifications:

Flow Rate Range	0.5 to 5 m/s (1.6 to 16.4 ft/s)
Pipe Size Range	15 NB to 300 NB (0.5 to 12 in.)
Linearity	+1% of full range
Repeatability	+0.5% of full range
Min. Reynolds Number Required	4500
Wetted Parts Sensor Body	Polypropylene (black) or PVDF (black) SS 304 / SS 316
O-rings	Viton / PTFE
Rotor Pin	Hastelloy C
Rotor	Black PVDF
Frequency	38 Hz per m/s nominal (11.6Hz per ft/s nominal)
Supply voltage	10 to 24 VDC regulated
Supply current	<20 mA @ 10 to 24 VDC
Output Type	Pulse output (NPN)
Cable Length	5 m (16.4 ft.) Standard
Operating Pressure	PP: max10 bar(145 psi) @ 25oC PVDF: max12 bar(175 psi) @ 25oC
Operating Temperature	PP: 10oC to 70oC (14oF to 158oF) PVDF: 10oC to 100oC (14oF to 212oF)

Line Size Selection:

Size	15 NB	25 NB	40 NB	50 NB	65 NB	80 NB
Min flow m ³ /hr	0.26	0.88	2.04	3.50	6.30	7.80
Max flow m ³ /hr	2.60	8.80	20.4	35.0	63.0	78.0
Size	100 NB	125 NB	150 NB	200 NB	250 NB	300 NB
Min flow m ³ /hr	14.0	22.0	32.0	56.0	88.0	126
Max flow m ³ /hr	140	220	320	560	880	1260