



Paddlewheel Flow Sensor

Low Friction Bearings, Long Life, 1/2 to 8" Pipe (12.7 to 203 mm)

Models Select Chart

EXAMPLE	PDWS	1	B	CRS	Series PDWS-1B-CRS
SERIES	PDWS				Insertion Paddlewheel Flow Sensor
SIZE		1 2			1-1/2 to 3 inch pipe 4 to 8 inch pipe
MATERIAL			B P S Y		Brass PVC 316 Stainless steel Polypropylene
OPTIONS				CRS FOR HPO IMM MPU PC4 PC5 SCC	Ceramic shaft Fluoroelastomer o-ring High pressure option Immersible Micropower pickup Metering pump 4-pin connector Metering pump 5-pin connector 3-pin control connector
					Note: Need to purchase with Series PWF fitting for proper installation.

Specifications:-

Service	:	Compatible clean liquids.
Range	:	0.3 to 30 ft/s (0.09 to 9.14 m/s).
Wetted Materials	:	Sensor: Brass, 316 SS, PVC, or polypropylene; Rotor: PVDF; Shaft: Nickel-bonded tungsten carbide (ceramic optional); Bearings: Ruby jewel; O-Ring: EPDM (fluoroelastomer optional).
Accuracy	:	±1.5% FS.
Temperature Limits	:	Brass, 316 SS: 200°F (93°C); PVC, Polypropylene: 130°F (55°C).
Pressure Limit	:	Brass: 200 psi (14 bar); 316 SS: 250 psi (17 bar); PVC, polypropylene: 175 psi (12 bar) @ 75°F (24°C); High pressure option: 400 psi (28 bar) (SS

		only).
Process Connection	:	See catalog page.
Output	:	Current sinking, square wave pulse, opto-isolated.
Power Requirement	:	6 to 24 VDC, 2 mA (max. 20 mA).
Electrical Connection	:	#22 AWG, 3 conductor, 18' (5.5 m) cable (max. 2000' run).
Enclosure Rating	:	NEMA 4X (IP66).
Weight	:	2 lb (907 g).