PADDLEWHEEL FLOW SENSOR
Low Friction Bearings, Long Life, 1/2 to 8” Pipe (12.7 to 203 mm)

The SERIES PDWS Insertion Paddlewheel Flowmeters are designed for pipe size ranges from 1/2 to 8” with available materials of brass, stainless steel, PVC, and polypropylene. The Series PDWS is intended to be used with the Series PWF, a wide variety of custom tee, saddle, or welded fittings that come in bronze, PVC, and stainless steel.

FEATURES/BENEFITS
- The bearings are made from ruby jewel to reduce the friction coefficient and maintain high accuracy
- Stainless steel
- Wide variety of custom tee, saddle, or welded fittings that come in bronze, PVC, and ductile iron
- Ceramic shaft
- High pressure option (SS or CS only)
- All 316 SS option
- 304 SS/female thread
- Carbon steel/female thread
- Bronze/female sweat (for copper tubing)
- 316 SS, PVC, or polypropylene
- Wetted Materials: Compatible clean liquids
- Max temperature: 200°F (93°C); PVC, Polypropylene: 130°F (55°C).
- Temperature Limits: Brass, 316 SS: 200°F (93°C); PVC, Polypropylene: 130°F (55°C).
- Compatibility: Epoxy, urethane, fluoropolymer, or metal
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- Temperature: 200°F (93°C); PVC, Polypropylene: 130°F (55°C).
- Pressure: 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 below.
- Output: Current sinking, square wave pulse, opto-isolated
- Power Requirements: 6 to 24 VDC, 2 mA (max. 20 mA).
- Electrical Connection: #22 AWG, 3 conductor, 18 (5.5 m) cable (max. 2000’ run).
- Weight: 2 lb (907 g).

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: PDVF; Shaft: Nickel-bonded tungsten carbide (ceramic optional); Bearings: Ruby jewel; O-ring: EPDM (fluoroelastomer optional).
- Accuracy: ±1.5% FS
- Pulse divider: For use with pacing electronic metering pumps; unit divides the input frequency to any number from 1 to 9999 with the use of rotary switches to suit a number of metering pump inputs.
- Pulse output: Rate total indicator; converts pulse output to 4 to 20 mA analog output; unit is loop powered, fits on the enclosure of the meter, and provides a highflow flow alarm.
- Flow transmitters, paddlewheel:
- Process connection: For use with pacing electronic metering pumps; unit divides the input frequency to any number from 1 to 9999 with the use of rotary switches to suit a number of metering pump inputs.
- Flow transmitters, paddlewheel:
- Power requirements: 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).

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

USA: California Proposition 65

Example: PWF-T-CFT-0050-SS, $923.00

To order an all 316 SS female thread 1/2” tee for Series PDWS-1XX Paddlewheel Flow Meter.