Dwyer.

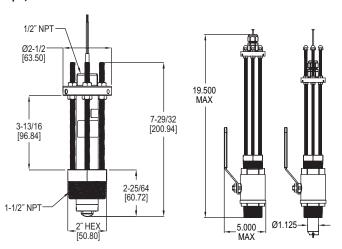
PADDLEWHEEL FLOW SENSORNon-Magnetic Sensing, Adjustable for 1-1/2 to 40" (38.1 to 1016 mm) Pipe, Pulse or 4-20 mA







PFT-HDN-B611-S shown with A-PFT-HKIT



The Series PFT Paddlewheel Flow Sensor is used to monitor liquid flow rates in

- Bearings and shaft offer excellent wear protection even in applications with Bearings and snart orier excellent wear protection even in appliparticulate for long life
 Weatherproof and submersible rated for irrigation applications
 One unit adjustable over a large pipe size range
 Multiple wetted material choices offer application versatility

- Integral 4-20 mA output with no need for additional external components
 Sensor technology uses inductive sensing to sense the blades of the impeller therefore does not use magnets allowing low flow rate monitoring with no concerns regarding magnetic material in the flow

APPLICATIONS

- Irrigation
- Ground water remediation
- Cooling systems Pump protection

MODEL CHART

Leak detectionFiltration systems

SPECIFICATIONS

Service: Water-based fluids.
Range: 1.2 to 25 ft/s (0.37 to 7.62 m/s).
Wetted Materials: Body and fitting: Brass or 316 SS; fitting O-ring: FKM standard, silicone or Buna-N optional; impeller: 316 SS; shaft: Tungsten carbide standard or 316 SS; staft: Tungsten carbide standard or 316 SS; shaft: Tungsten carbide standard or 316 S

316 SS optional; bearing: PTFE standard. Linearity: ±1.0% of FS.

Repeatability: ±0.5% of FS.

Temperature Limits: -40 to 212°F (-40 to 100°C).

Pressure Limits: 400 psig (27.6 bar) @ 100°F (37.8°C), 325 psig (22.4 bar) @

212°F (100°C).

Process Connection: 1-1/2" NPT male or 1-1/2" BSPT male standard, 2" NPT male or 2" BSPT male optional.

Output: Pulse: NPN open collector with square wave output, rated 60 V @ 50 mA max; Frequency: 3.2 to 200 Hz. Pulse Width: 2.5 msec ±25%; 4-20 mA: 4 mA is 0 ft/s, 20 mA is 25 ft/s.

Power Requirement: 10-35 VDC

Power Requirement: 10-35 VDC.
Power Consumption: 40 mA (max.).
Electrical Connection: 22 AWG shielded UL type PTLC rated 105°C, 20'
(6.1 m) long with cable gland. Can be extended up to 2000' (609 m) with similar cable. Optional UL listed burial rated cable.
Enclosure Rating: NEMA 6P (IP67)*.
Housing Materials: Brass or 316 SS.
Weight: 3 lb (1.36 kg).
Agency Approvals: CE.

*Brass units IP67 only.

MODEL CHART											
Example	PFT	-I	D	N	-В	1	1	1	-S	-ST	PFT-IDN-B111-S-ST
Series	PFT										Paddlewheel flow sensor
Style		I H									Insertion Hot-tap insertion
Output			D A								600UA/40 MA 2.5 MS pulse Analog 4-20 mA transmitter
Approvals				Ν							None
Body Material					B S						Brass body 316 SST body
Mounting						1 2 3 4 5 6 7 8					1-1/2" NPTM mounting 2" NPTM mounting 2" NPTM mounting 1-1/2" male BSPT mounting 2" male BSPT mounting 1-1/2" NPTM hot tap with valve 1-1/2" NPTM hot tap without valve 1-1/2" male BSPT hot tap with valve 1-1/2" male BSPT hot tap without valve
O-Ring Material							1 2 3				FKM fluoroelastomer Silicone (FDA approved) Buna-N
Wetted Materials								1			Tungsten-carbide shaft, 316 SS impeller, PTFE bearing 316 SS shaft, 316 SS impeller, PTFE bearing
Electrical Connection									S B		22 GA shielded wire, 20 ft (6.1 m) 18 GA UL listed burial rated, 4 ft (1.2 m)
Options										ST	Stainless steel tag

ACCESSORIES						
Model	Description					
A-PFT-HKIT-SS A-PFT-HKIT-BSPT	1-1/2" Brass valve NPT with nipple 1-1/2" SS valve NPT with nipple 1-1/2" Brass valve BSPT with nipple 1-1/2" SS valve BSPT with nipple					

USA: California Proposition 65

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

Flow Transmitters, Paddlewheel, Adjustable Insertion