



Paddlewheel Flow Sensor

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

Models Select Chart

EXAMPLE	PFT	I	D	N	B1	1	1	S	ST	Series PFT-IDN-B111-S-ST Insertion Paddlewheel Flow Sensor, pulse output, brass body, 1-1/2" male NPT connection, FKM o' ring, tungsten-carbide shaft, PTFE bearing, with stainless steel tag..
SERIES	PFT									Paddlewheel Flow Sensor
STYLE		I								Insertion
OUTPUT			D A							600UA/40MA 2.5MS Pulse Analog 4-20 mA Transmitter
APPROVALS				N						None
BODY MATERIAL & MOUNTING					B1 B2 B3 B4 S1 S2 S3 S4					Brass 1-1/2" NPTM Mounting Brass 2" NPTM Mounting Brass 1-1/2" Male BSPT Mounting Brass 2" Male BSPT Mounting 316SS 1-1/2" NPTM Mounting 316SS 2" NPTM Mounting 316SS 1-1/2" Male BSPT Mounting 316SS 2" Male BSPT Mounting
O' RING MATERIAL						1 2 3				FKM Fluoroelastomer Silicone (FDA Approved) Buna-N
WETTED MATERIALS							1 2			Tungsten-Carbide Shaft, 316SS Impeller, PTFE Bearing 316SS Shaft, 316SS Impeller, PTFE Bearing
ELECTRICAL CONNECTION								S B		22 GA Shielded Wire, 20 ft. 18 GA UL Listed Burial Rated, 4 ft.
OPTIONS									ST	Stainless Steel Tag

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 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 Limit	:	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 standard, 2" NPT male optional.
Output	:	> Pulse: NPN open collector with square wave output, rated 60 V @ 50 mA maximum. Frequency: 3.2 to 200 Hz. Pulse Width: 2.5 msec ±25%. 4 to 20 mA: 4 mA is 0 ft/s, 20 mA is 25 ft/s.
Power Requirement	:	10 to 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.