Visual Indicators for Potable Water – RFI-PW Type

FDA-compliant molded nylon and epoxy RFI-Type RotorFlow® sensor for compatibility with potable water applications. Flow rate is estimated, or simply confirmed by viewing the speed of the turning, high visibility blue rotor. Either port may be used for incoming flow, and bayonet mounting lens is easily removed for quick cleanout. RFI-PW Potable Water RotorFlow® sensors are easy to see, easy to install and easy to afford for potable water applications.

Typical Applications

• Water Purification/Dispensing Systems • Chemical Injection Systems

CE   cULus   RoHS
File No. E45168

Specifications

Wetted Materials	
Body	316 Stainless Steel or Polypropylene (Hydrolytically Stable, Glass Reinforced)
Rotor Pin	Ceramic
Rotor	Molded Nylon/FDA Epoxy
Lens	Polysulfone
O-Ring	EPDM
Low Flow Adaptor	Glass Reinforced Polypropylene
Operating Pressure,	
Stainless Steel Body	100 PSIG (7 bar) @212°F (100°C) 200 PSIG (13.8 bar) Max. @ 70°F (21°C)
Polypropylene Body	100 PSIG (6.9 bar) at 70°F (21°C), 40 PSI (2.8 bar) Max. @ 180°F (82°C)
Operating Temperature,	
Stainless Steel Body	-20°F to 212°F (-29°C to 100°C)
Polypropylene Body	-20°F to 180°F (-29°C to 82°C)

Operating Principle

1. As liquid passes through the RotorFlow® body, the rotor spins at a rate proportional to flow.

2. RotorFlow® Indicators may be mounted with flow entering either port. At low flow rates, performance is optimized by positioning ports at the top of the unit, in a horizontal plane.

How To Order

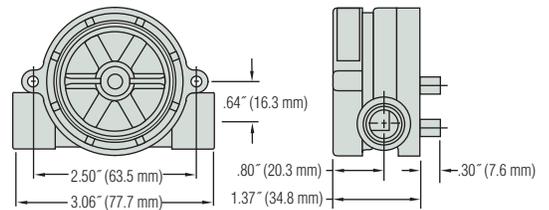Specify Part Number based on desired body material and port size.

Body Material	Port Size NPT	Flow Ranges – GPM		Flow Ranges – LPM		Part Number
		Low*	Standard	Low*	Standard	
Polypropylene	.25″	0.1 to 1.0	0.5 to 5.0	0.1 to 1.0	1.9 to 18.9	**198282**
	.50″	1.5 to 12.0	4.0 to 20.0	5.7 to 45.4	15.1 to 75.7	**198283**
Stainless Steel	.50″	1.5 to 12.0	4.0 to 20.0	5.7 to 45.4	15.1 to 75.7	**203684**
	.75″	—	5.0 to 30.0	—	18.9 to 113.6	**203685**
	1.00″	—	8.0 to 60.0	—	30.2 to 227.1	**203686**

* With use of Low Flow Adapter supplied. See Page F-8 for more information.
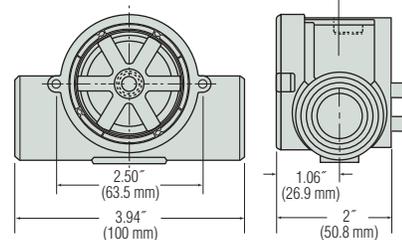
Dimensions

Polypropylene Bodies

.64″ (16.3 mm)
2.50″ (63.5 mm)
3.06″ (77.7 mm)
.80″ (20.3 mm)
1.37″ (34.8 mm)
.30″ (7.6 mm)

Stainless Steel Bodies - .50″ Ports

.30″ (7.6 mm)
2.50″ (63.5 mm)
3.01″ (76.4 mm)
1/4″ PORTS = 80″ (20.3 mm)
1/2″ PORTS = 87″ (22.1 mm)
1.37″ (34.8 mm)
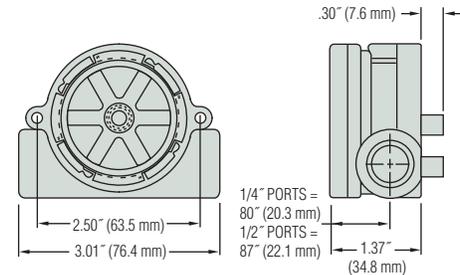
Stainless Steel Bodies – .75″ and 1.00″ Ports

2.50″ (63.5 mm)
3.94″ (100 mm)
1.06″ (26.9 mm)
2″ (50.8 mm)

High Visibility Blue Rotor

FDA-compliant molded nylon and epoxy RotorFlow® indicator for compatibility with potable water applications.