

# Visual Indicators – RFI Types

This is RotorFlow in its most basic form — a bright orange rotor turning with fluid flow. Simple, direct and reliable. Flow rate is estimated, or simply confirmed, by viewing the speed of the turning rotor. Either port may be used for incoming flow, and bayonet mounting lens is easily removed for quick cleanout. RFI Type RotorFlow sensors are easy to see, easy to install and easy to afford.

## Typical Applications

- Visual flow confirmation on heat exchangers
- Plastic injection molding equipment

## Specifications

<b>Wetted Materials</b>	
<b>Body</b>	Brass, 316 Stainless Steel or Polypropylene (Hydrolytically Stable, Glass Reinforced)
<b>Rotor Pin</b>	Ceramic
<b>Rotor</b>	High Visibility Orange, Molded Nylon
<b>Lens</b>	Polysulfone
<b>O-Ring</b>	Viton® (Brass Body); Buna N (Polypropylene Body)
<b>Low Flow Adaptor</b>	Glass Reinforced Polypropylene
<b>Operating Pressure, Brass or Stainless Steel Body</b>	
	100 PSIG (7 bar) @212°F (100°C) 200 PSIG (13.8 bar) Max. @ 70°F (21°C)
<b>Polypropylene Body</b>	
	100 PSIG (6.9 bar) at 70°F (21°C), 40 PSI (2.8 bar) Max. @ 180°F (82°C)
<b>Operating Temperature, Brass or Stainless Steel Body</b>	
	-20°F to 212°F (-29°C to 100°C)
<b>Polypropylene Body</b>	
	-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		Part Number
		Low* Range	Standard Range	
Polypropylene	.25"	0.1 to 1.0	0.5 to 5.0	<b>155420</b> ⚡
	.50"	1.5 to 12.0	4.0 to 20.0	<b>155480</b> ⚡
Brass	.25"	0.1 to 1.0	0.5 to 5.0	<b>142541</b> ⚡
	.50"	1.5 to 12.0	4.0 to 20.0	<b>142542</b> ⚡
	.75"	—	5.0 to 30.0	<b>180392</b> ⚡
	1.00"	—	8.0 to 60.0	<b>181681</b> ⚡
Stainless Steel	9/16" - 18**	0.1 to 1.0	0.5 to 5.0	<b>174596</b>
	.50"	1.5 to 12.0	4.0 to 20.0	<b>173138</b> ⚡
	.75"	—	5.0 to 30.0	<b>181682</b>
	1.00"	—	8.0 to 60.0	<b>181683</b>

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

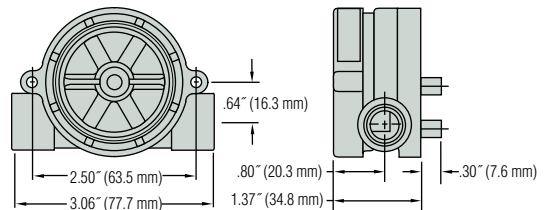
\*\* Straight thread with O-ring seal.

⚡ – Stock Items.

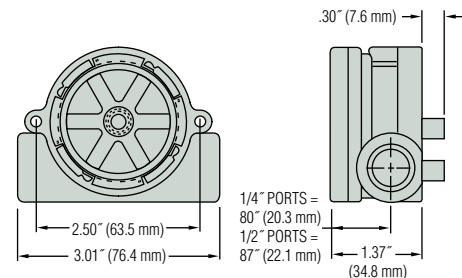


## Dimensions

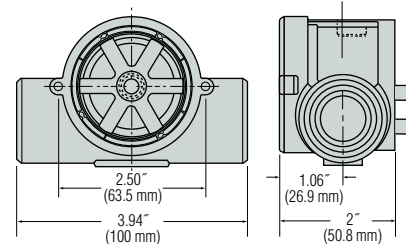
### Polypropylene Bodies



### Brass and Stainless Steel Bodies - .25" and .50" Ports



### Brass Body – .75" and 1.00" Ports



**High Visibility Orange Rotor**  
Constructed of Molded Nylon for good general purpose compatibility with a wide range of fluids. Offers high visibility.



# 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

## Specifications

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

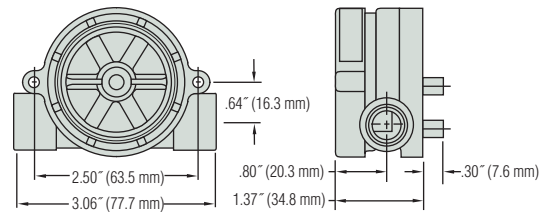
Body Material	Port Size NPT	Flow Ranges – GPM		Flow Ranges – LPM		Part Number
		Low*	Standard	Low*	Standard	
Polypropylene	.25"	0.1 to 1.0	0.5 to 5.0	0.1 to 1.0	1.9 to 18.9	<b>198282</b>
	.50"	1.5 to 12.0	4.0 to 20.0	5.7 to 45.4	15.1 to 75.7	<b>198283</b>
Stainless Steel	.50"	1.5 to 12.0	4.0 to 20.0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

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

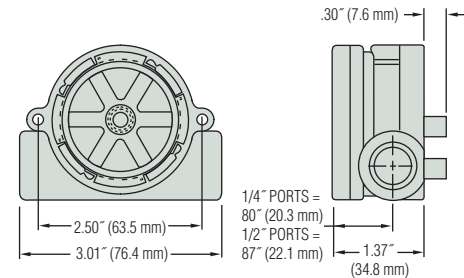


## Dimensions

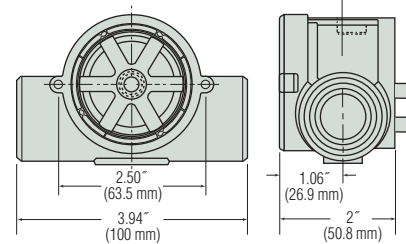
### Polypropylene Bodies



### Stainless Steel Bodies - .50" Ports



### Stainless Steel Bodies – .75" and 1.00" Ports



## High Visibility

### Blue Rotor

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

