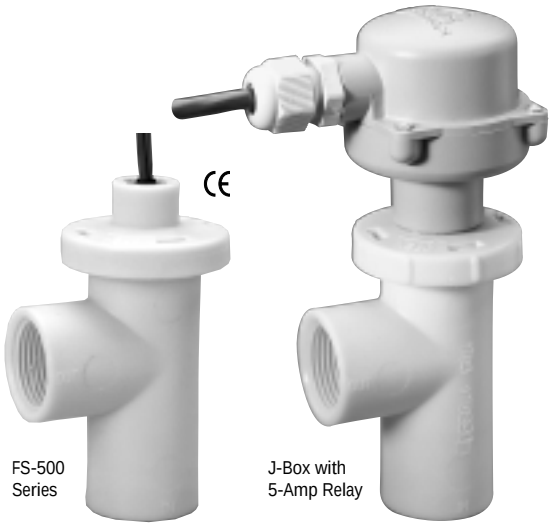
FS-500 Series – Low Cost Units for Threaded Plastic Piping

Flow Rate Settings: 0.25 GPM to 5.0 GPM
Port Size: 3/4″ NPT
Primary Construction Material: Polypropylene
Setting Type: Fixed

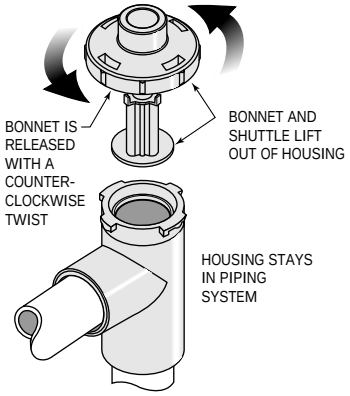
The FS-500 offers low cost flow monitoring with a variety of switch actuation points and low pressure drop. All wetted parts are polypropylene or stainless steel, making this switch ideal for a wide range of chemical and temperature requirements. The materials are also NSF or FDA approved for potable water treatment applications including chlorinators, purifiers and heaters. The FS-500 is ideal for equipment cooling including welders, lasers, etc. A J-box version with a 5 amp relay is also available for direct control of higher electrical loads, such as chlorinator pumps.



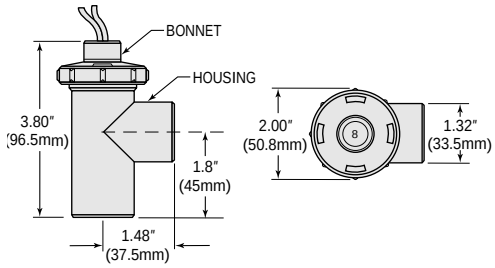
Specifications

Wetted Materials*	
Housing, Bonnet, Shuttle, Shuttle Cap	Polypropylene, Hydrolytically Stable
O-Ring	Viton® or Buna N
Spring	316 Stainless Steel
Retaining Clip	PH 15-7 Mo Stainless Steel
Operating Pressure, Maximum	100 PSIG @ +70°F
	50 PSIG @ +180°F
	40 PSIG @ + 212°F
Operating Temperature, Maximum	0° to 212°F (100°C)
Set Point Accuracy	± 20%
Set Point Differential	± 20% Maximum
Switch**	SPST, N.O. Pilot Duty 20 VA, 120-240 VAC or VDC
J-Box with 5A Relay	120 VAC 50/60 Hz Contacts: 5A – 240 VAC Res 1/3 HP – 120 VAC 5A – 28 VDC Res.
Inlet/Outlet Ports	3/4″ Female NPT
Electric Termination	
Pilot	No. 22 AWG, 24″ Zip Cord Lead Wires
J-Box	6' Cable

* Materials of Construction are available for FDA or NSF Compliance.
** See "Electrical Data" on Page D-4 for more information.



Dimensions



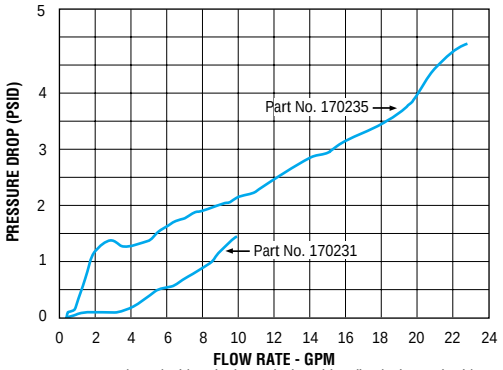
How To Order – Standard Models

Specify Part Number based on switch actuation set point. Set points other than those listed are available as special order; contact GEMS with your requirements. Normally closed switch logic units available as special orders.

Switch Actuation Set Point GPM	Part Numbers	
	Pilot Duty	J-Box w/5A Relay
0.25	**170231** ⚡	**175901** ⚡
0.50	**170232** ⚡	**175902** ⚡
1.00	**170233** ⚡	——
2.00	**175117** ⚡	——
2.50	**170234** ⚡	——
5.00	**170235** ⚡	——

⚡ – Stock Items.

Pressure Drop - Typical



Tests conducted with units in vertical position (lead wires up) with water at +70°F (21°C).