



Features

- Low Cost Model
- Universal Mounting
- Convenient Maintenance

M-701 Series Shuttle Type Non-Adjustable Flow-Switch

Description

The M-701 offers low cost flow monitoring with a variety of switch actuation points and low pressure drop. M-701 is designed for ease of maintanance, as the bonnet and shuttle can be removed, leaving the housing and pipe work connections intact. All wetted parts are poly-propylene or stainless steel, making this switch ideal for a wide range of chemical and temperature requirements. The M-701 is suitable for potable water treatment applications including chlorinators, purifiers and heaters. The M-701 is ideal for equipment cooling including weld-ing machines, lasers, etc.

Applications

- Equipment Cooling
 - Welding machines
 - Lasers
 - Heat Exchangers
- Water treatment systems
 - Chlorinators
 - Purifiers
 - Heaters

Measurement Specifications

Operating Pressure	100 psig@70°F, 50 PSIG@180°F, 40 PSIG@210°F						
Temperature	60° to 212°F						
Set Point Hysteresis	± 20% maximum						
Set Point Accuracy	5% - 20% maximum						
Switch	SPST- N.O or N.C, SPDT 10W, 0.5 ADC, 200VDC						
Inlet/Outlet Ports	3/4" FNPT						
Electrical Termination	26" long 22 AWG Teflon insulated wire						
Mounting Orientation	Any Orientation						

Standard Specifications by Materials

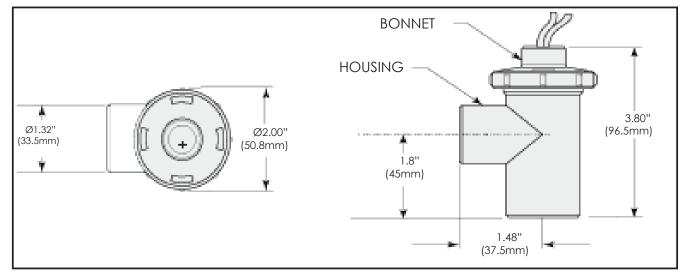
Housing	Polypropylene Polypropylene						
Bonnet							
Piston	Polypropylene						
Piston cap	Polypropylene Viton SS						
O-ring							
Spring							
Retainer Ring	SS						
Reed Switch Data (Electrical Ratings) Reed Switch Switching Voltage Breakdown Voltage DC Resistive AC Resistive Switching Current	10 Watts SPST or 3 Watts SPDT (Hermetically Sealed) UL Recognized. File E47258. 200 VDC (170 VDC for SPDT) 250 VDC (200 VDC for SPDT) 10 Watts (3 Watts for SPDT) 10 VA (3VA for SPDT) 0.5 A (0.25 A for SPDT) 1.2 A (0.5A for SPDT)						
Lead Wires	No. 24 to 18 AWG. 26" Length, Polymeric UL Recognized or Belden cable with connectors to suit						

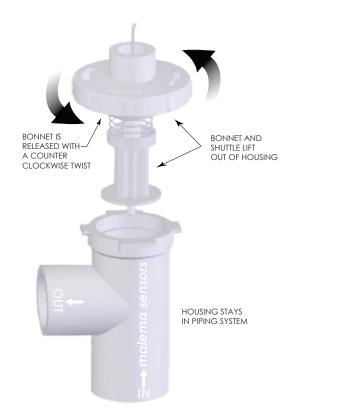
* For custom calibiration requirements, contact factory

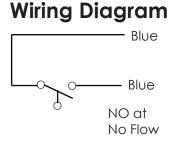
Corporate Headquarters 1060 S Rogers Circle Boca Raton, FL 33487 P: (561) 995-0595 F: (561) 995-0622 West Coast Headquarters 2329 Zanker Road San Jose, CA 95131 P: (408) 970-3419 F: (408) 970-3426 Asia Pacific Headquarters 35 Marsiling Industrial Estate Road 3 #02-06 Singapore 739257 P: (65) 6482-3533 F: (65) 6484-4231 India Headquarters #1433, 3rd and 4th Floor, Pipeline Road, Mahalakshmipuram, Bangalore 560086 P:(91) 80 2349-9362

Dimensional Drawings

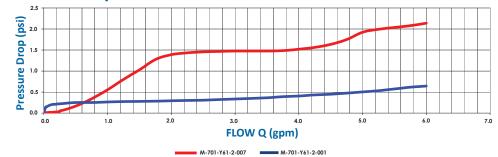
Illustrated is the M-701 Model with 3/4" FNPT.







Pressure Drop Chart



Please contact factory for pressure drop information for other set points

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Ordering Information

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

Standard Part Numbering												
N	-	Model	-	Material	Port	Switch	-	O-ring Material		Set Point		
N	-	701	-	Y	6	1	-	2	-	XXX		
		701		Y - Polypropylene	3/4" FNPT	1 - SPST N.O. 2 - SPST N.C. 3 - SPDT		2 - Viton		001 - 0.25 gpm Water Increasing 002 - 0.5 gpm Water Increasing 003 - 1.0 gpm Water Increasing 004 - 1.5 gpm Water Increasing 005 - 2.0 gpm Water Increasing 006 - 2.5 gpm Water Increasing 007 - 5.0 gpm Water Increasing		

NOTE: Specifications are subject to change without notice.

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