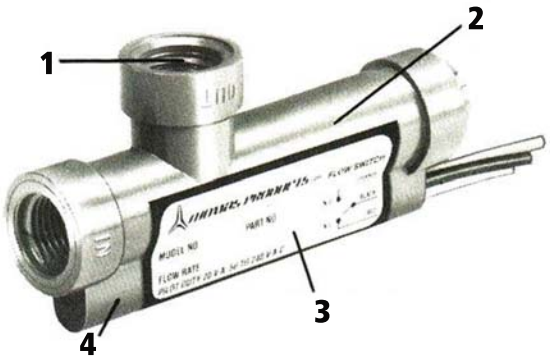
CLARK
Series 2100 Polysulfone Flow Switches
1/8" and 1/4" Pipe Size

DESCRIPTION
Series 2100 flow switches are manufactured to exacting standards and provide accurate flow detection for most applications. Product inspection involves calibrated tools and gages traceable to National Bureau of Standards.

The switches function as a magnet embedded in a spring loaded polysulfone piston is displaced at the proper calibrated flow of liquid to actuate the hermetically sealed reed switch.

The flow swtches are broadly used as OEM components and in machine tools, HVAC equipment and any process where the materials of construction and function are suitable.

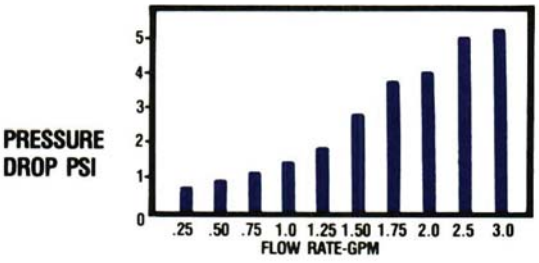


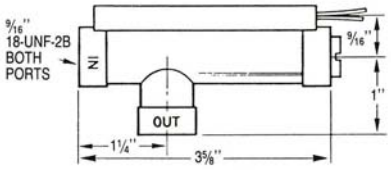
1. Full size out port minimizes turbulence
2. Unique reverse taper design helps pass particulates.
3. One-piece housing yields burst strength of 1500 PSI @70°F
4. Large full size reed switch silcone potted for shock and vibration deadening

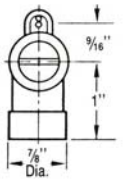
SPECIFICATIONS
End Connections: 9/16"-18 UNF- 2A Typ.; adapters offered- 1/8"& 1/4"NPT & 1/2" ID Tubing Barb
Housing Material: Polysulfone
Piston Material: Polysulfone
Spring: 316 SS
O-Ring: Viton "A"
Wire: 18 AWG Polymeric 24" Long
Reed Switch: 15 VA SPST (N.O., N.C.), SPDT
Operating Temperature: -20 to 225°F
Operating Pressure: 250 PSI
Set Point Accuracy: 15% Max
Set Point Difference: 20% Max
Repeatability: 1% Max. Deviation
Specialty Options: 1 cc/min set point low flow model

Notes:
-Standard flow calibration is in water@70°F. Calibrated on increasing flowwith lead wires up.
-Set point accuracy will change slightly in other than calibrated position.
-Polysulfone is a FDA approved material

TYPICAL PRESSURE DROP VS FLOW



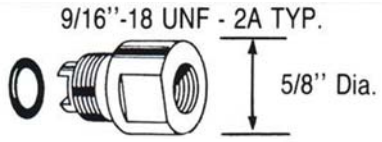




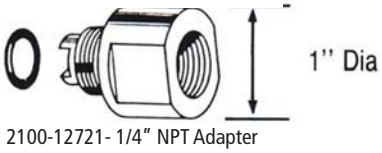
ORDERING INFORMATION

Model	Flow Setting	Switch Type
2100-12686	0.1 GPM	N.O.
2100-12687	0.25 GPM	N.O.
2100-12688	0.5 GPM	N.O.
2100-12589	0.75 GPM	N.O.
2100-12690	1 GPM	N.O.
2100-12691	1.5 GPM	N.O.
2100-12695	0.1 GPM	N.C.
2100-12696	0.25 GPM	N.C.
2100-12697	0.5 GPM	N.C.
2100-12698	0.75 GPM	N.C.
2100-12699	1 GPM	N.C.
2100-12700	1.5 GPM	N.C.
2100-12704	0.1 GPM	SPDT
2100-12705	0.25 GPM	SPDT
2100-12706	0.5 GPM	SPDT

Accessories	
Model	**Description**
2100-12720	Adapter w/o-ring 9/16"-18 UNF to 1/8" NPT Female
2100-12721	Adapter w/o-ring 9/16"-18 UNF to 1/4" NPT Female
2100-12722	Adapter w/o-ring 9/16"-18 UNF to 1/2" Hose Barb



2100-12720- 1/8" NPT Adapter



2100-12721- 1/4" NPT Adapter

2100-12722- 1/2"