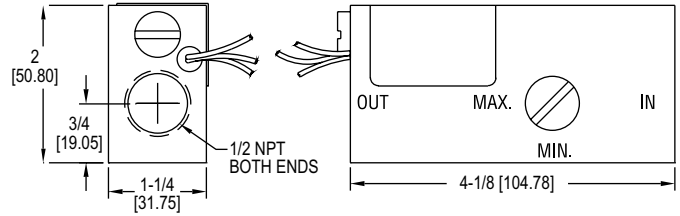


# ADJUSTABLE FLOW SWITCH

For Oils, Water and Gases, Infinite Adjustments



The **Series AFS Adjustable Flow Switch** is externally adjustable piston-type flow switches for oils, liquids and gases. This Series offers an infinite number of flow settings from 0.5 to 20 GPM.

**BENEFITS/FEATURES**

- Externally adjustable flow set point
- Offers a number of flow settings at pressures up to 1000 psig, with low pressure drop and precise repeatability

**APPLICATIONS**

- Protecting machine tools from coolant flow failure
- Protecting bearings from loss of lubricant
- Assuring proper air flow
- Water or compatible liquid control
- Oil flow control
- Control of gas flows

MODEL CHART				
Model	Media	Electrical Connection	Piston	Housing
AFS-131	Oil	Wire leads	Brass	Brass
AFS-141	Water	Wire leads	Polysulfone	Brass
AFS-151	Liquids	Wire leads	316 SS	316 SS
AFS-231	Gases	Wire leads	Brass	Brass
AFS-251	Gases	Wire leads	316 SS	316 SS
AFS-142	Water	1/2" NPT conduit	Polysulfone	Brass
AFS-152	Liquids	1/2" NPT conduit	316 SS	316 SS
AFS-232	Gases	1/2" NPT conduit	Brass	Brass
AFS-252	Gases	1/2" NPT conduit	316 SS	316 SS

**SPECIFICATIONS**

**Service:** Compatible gases or liquids.  
**Wetted Materials:** Housing and Piston: See model chart; Spring: 316 SS; O-ring: Fluoroelastomer; Other: Epoxy.  
**Temperature Limits:** -20 to 300°F (-29 to 149°C), -20 to 225°F (-29 to 107.2°C) with polysulfone piston.  
**Pressure Limit:** 1000 psi (68 bar).  
**Accuracy:** ±10% of set point.  
**Repeatability:** ±1% maximum deviation.  
**Switch Type:** SPDT.  
**Electrical Rating:** .17 A @ 120 VAC, .08 A @ 240 VAC, .13 A @ 120 VDC, .06 A @ 240 VDC.  
**Electrical Connections:** 18 AWG, 24" (61 cm), polymeric lead wires, optional 1/2" male NPT conduit connection.  
**Process Connection:** 1/2" female NPT ports.  
**Mounting Orientation:** Any.  
**Set Point Adjustment:** Liquids: 0.5 to 20 GPM (1.9 to 75.7 LPM); Gases: 1.0 to 75 SCFM (28 to 2124 LPM) at 5 psig.  
**Required Filtration:** 50 microns or better.  
**Weight:** 2 lb, 11 oz (1.22 kg).  
**Compliance:** CE.

USA: California Proposition 65  
**WARNING:** This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).