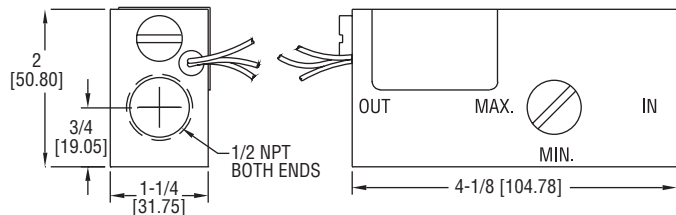


# ADJUSTABLE FLOW SWITCH

## For Oils, Water and Gases, Infinite Adjustments



The **SERIES AFS** Adjustable Flow Switches are 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.

### FEATURES/BENEFITS

- 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 |
| <b>AFS-131</b> | Oil     | Wire leads            | Brass       | Brass   |
| <b>AFS-141</b> | Water   | Wire leads            | Polysulfone | Brass   |
| <b>AFS-151</b> | Liquids | Wire leads            | 316 SS      | 316 SS  |
| <b>AFS-231</b> | Gases   | Wire leads            | Brass       | Brass   |
| <b>AFS-251</b> | Gases   | Wire leads            | 316 SS      | 316 SS  |
| <b>AFS-132</b> | Oil     | 1/2" NPT conduit      | Brass       | Brass   |
| <b>AFS-142</b> | Water   | 1/2" NPT conduit      | Polysulfone | Brass   |
| <b>AFS-152</b> | Liquids | 1/2" NPT conduit      | 316 SS      | 316 SS  |
| <b>AFS-232</b> | Gases   | 1/2" NPT conduit      | Brass       | Brass   |
| <b>AFS-252</b> | Gases   | 1/2" NPT conduit      | 316 SS      | 316 SS  |

### SPECIFICATIONS

**Service:** Compatible gases or liquids.

**Wetted Materials:** Housing and Piston: See model chart; Spring: 316SS; 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 setpoint.

**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).

**Agency Approvals:** CE.

Flow Switches,  
Shuttle/Piston