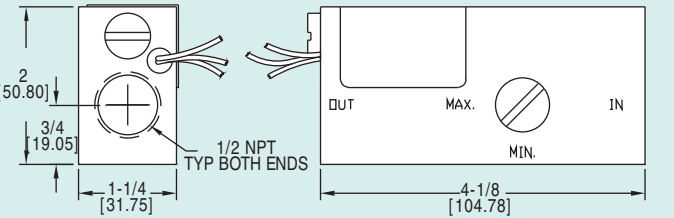
Series AFS

Adjustable Flow Switch

For Oils, Water and Gases, Infinite Adjustments



The Series AFS Adjustable Flow Switch is externally adjustable and is ideal for protecting machine tools from coolant flow failure, protecting bearings from loss of lubricant or assuring proper air flow. The Series AFS offers an infinite number of flow settings from 0.5 to 20 GPM at pressures up to 1000 psig, with low pressure drop and precise repeatability. The AFS is housed in either brass or stainless steel and can be used with water, compatible liquids, oils, and gases.

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	316SS	316SS
AFS-231	Gases	Wire leads	Brass	Brass
AFS-251	Gases	Wire leads	316SS	316SS
AFS-132	Oil	1/2″ NPT conduit	Brass	Brass
AFS-142	Water	1/2″ NPT conduit	Polysulfone	Brass
AFS-152	Liquids	1/2″ NPT conduit	316SS	316SS
AFS-232	Gases	1/2″ NPT conduit	Brass	Brass
AFS-252	Gases	1/2″ NPT conduit	316SS	316SS

SPECIFICATIONS

Service: Compatible gases or liquids.
Wetted Materials: See model chart for housing and piston, 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: .17A @ 120 VAC, .08A @ 240 VAC, .13A @ 120 VDC, .06A @ 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.
Setpoint 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.