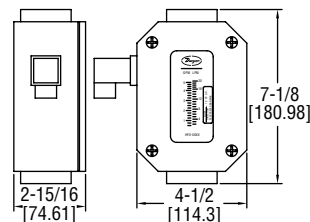


IN-LINE FLOW ALARMS

Latching Alarm Capabilities, For Air, Water or Caustic Fluids, Unrestricted Mounting



THE SERIES HFO FLOW ALARM provides continuous monitoring and control of flow rate levels. The flow alarm can be configured to open or close a contact for an increasing or decreasing set point. The unit includes two 10A SPDT limit switches with field adjustable alarm settings. Integral direct reading scale provides local indication of flow rate. The flow alarm is designed to mount in any orientation and does not require inlet or outlet straight plumbing. The Series HFO is constructed with a rugged cast aluminum NEMA 4X (IP66) enclosure for installations outdoors or in harsh environments.

APPLICATIONS

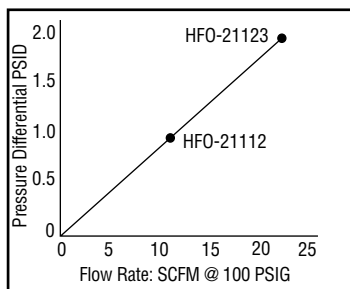
Monitoring flow in chemical processing, waste water processing, lubrication systems, process control, solar systems, drain lines and pump testing.

ALUMINUM BODY FOR AIR OR OTHER NON-CORROSIVE GASES: 600 PSIG (41 BAR) WETTED PARTS: ALUMINUM, PTFE COATED ALNICO, 304 SS AND BUNA-N		
Model	Connection Size	Range, Air SCFM
HFO-21112	1/4" female NPT	1.5-12
HFO-21123	1/4" female NPT	4-23

304 SS BODY FOR HIGH-PRESSURE FLUIDS: 6000 PSIG (413 BAR) WETTED PARTS: 304 SS, FLUOROELASTOMER AND PTFE		
Model	Connection Size	Range, Water GPM (LPM)
HFO-23202	1/2" female NPT	0.2-2.0 (0.75-7.5)
HFO-23210	1/2" female NPT	1-10 (3.8-38)

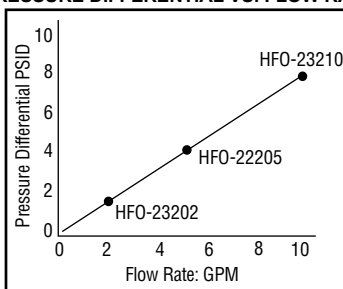
SPECIFICATIONS	
Service: Compatible gases or liquids.	Accuracy: Measuring ±4% FS over entire range; ±2.5% over center third of the measuring range.
Wetted Materials: Body: Aluminum, brass or 304 SS; Seals: Buna-N or fluoroelastomer; Magnet: PTFE coated Alnico; Other internal parts: 304 SS.	Repeatability: ±1% of full-scale.
Viscosity: 500 SSU.	Switch Type: SPDT, 10A @ 250 VAC; 0.5A @ 125 VDC, (resistive).
Temperature Limits: 170°F (76°C).	Shipping Weight: 1/4 to 1/2" female NPT models: 3 lb (1.4 kg); 3/4 to 1" female NPT models: 4.5 lb (2.0 kg); 1-1/2" female NPT models: 12 lb (5.4 kg).
Pressure Limits: See chart.	
Enclosure Rating: NEMA 4X (IP66).	

BRASS BODY FOR WATER BASED FLUIDS (NON-STEAM): 3500 PSIG (240 BAR) WETTED PARTS: BRASS, PTFE COATED ALNICO, 304 SS AND BUNA-N		
Model	Connection Size	Range, Water GPM (LPM)
HFO-22205	1/2" female NPT	0.5-5.0 (1-19)
HFO-22315	3/4" female NPT	1-15 (3.8-55)
HFO-22320	3/4" female NPT	2-20 (7.5-75)
HFO-22440	1" female NPT	4-40 (15-151)
HFO-22550	1-1/2" female NPT	5-50 (19-189)

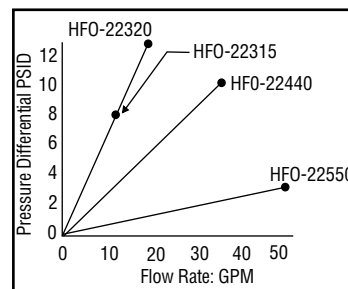


1/4" Female NPT

PRESSURE DIFFERENTIAL VS. FLOW RATE



1/2" Female NPT



3/4", 1" & 1-1/2" Female NPT

Flow Transmitters,
In-Line