



Flow Rate Alarms

For 1/4" - 2" Pipe Sizes - Style M & N

Utilised in applications such as mobile hydraulic equipment and industrial process control, ensures sufficient flows of coolants and lubricants.

UL-APPROVED

Lake Flow Alarms are UL Approved for loads up to 10 amp @ 110/220 VAC.

FIELD ADJUSTABLE ALARM SETTING

Only an allen wrench is required to change the flow alarm setting.

WEATHER-TIGHT CONSTRUCTION

Rugged cast aluminum NEMA type 4X enclosure allows installation in outdoor applications and in environments where liquid tight seals are required.

SIMPLE ON/OFF LOGIC

Positive alarm points using 10 A., dry-contact, SPDT switches reduce the complexity found in standard rotameter OFF/ON/OFF circuits.

PRE-WIRED WITH CABLE DISCONNECT

The standard Hirschmann interconnection provides easy installation and maintenance of the FLOW ALARM and the system it is a part of.

UNRESTRICTED MOUNTING

Allows the designer to install the monitor in any orientation-horizontal, vertical or inverted.

ECONOMICAL PROTECTION

This monitor rapidly pays for itself as it "sounds the alarm" on incorrect pneumatic, lubrication or cooling volumes, protecting expensive equipment and reducing downtime.

QUALITY ASSURANCE

Can be an integral part of a quality control system, yielding consistent system operation.



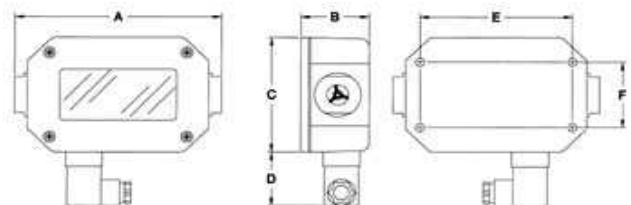
PERFORMANCE	
Measuring Accuracy	±2.5% of full-scale in the centre third ±4% in upper & lower thirds
Repeatability	±1% of full scale
Flow Measuring Range	0.05 to 150 GPM (0.2 to 560 LPM) 1.5 to 1300 SCFM (1.5 to 1300 SLPS)
Maximum operating pressure	Aluminium & Brass monitors: 3,500PSIG (240Bar) Stainless Steel monitors: 6,000PSIG (410Bar)
Maximum operating temp	Media -116°C; Ambient 82°C
Standard calibration fluids	Oil monitors: DTE 25 @ 43°C, 0.873 sg Water monitors: tap water @ 21°C, 1.0 sg Air monitors: air @ 21°C, 1.0 sg & 100PSIG
Enclosure	NEMA type 4X (UL approved)
Alarm switch dead band	4% of full scale
Alarm switch contacts	SPDT (Dry Contact) 10A, 250/125VAC; 1/2A 125VDC; 1/4A 250VDC; 3A 125VAC "L" lamp load
Filtration requirements	74 micron filter or 200 mesh screen aluminium

MATERIALS OF CONSTRUCTION (WETTED COMPONENTS)			
	Aluminium	Brass	Stainless Steel
High-pressure casing, end ports & tapered shaft	Aluminium	Brass	#303 Stainless Steel
Seals	Buna-N (STD), EPR, Viton® or Kalrez®	Buna-N (STD), EPR, Viton® or Kalrez®	Viton with Teflon® backup (STD) Buna-N, EPR, Viton® or Kalrez®
Transfer Magnet	Teflon® coated Alnico	Teflon® coated Alnico	Teflon® coated Alnico
Floating Orifice Disk	Stainless Steel	Stainless Steel	Stainless Steel
All other internal parts	Stainless Steel	Stainless Steel	Stainless Steel

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Viton & Kalrez are registered trademarks of Dow DuPont Elastomers

MATERIALS OF CONSTRUCTION (NON-WETTED COMPONENTS)			
	Aluminium	Brass	Stainless Steel
Window Tube	Polycarbonate (STD)	Polycarbonate (STD)	Polycarbonate (STD)
Window Seals	Buna-N (STD), Teflon®	Buna-N (STD), Teflon®	Buna-N (STD), Teflon®

MECHANICAL SIZE CODE



Dim	Series 3	Series 4	Series 5	Series 5
A	6-9/16" (167mm)	7-15/32" (182mm)	10-1/8" (258mm)	12-5/8" (322mm)
B	2-3/16" (56mm)	2-15/16" (75mm)	3-13/16" (97mm)	3-13/16" (97mm)
C	4" (101mm)	4-1/2" (114mm)	5-5/16" (135 mm)	5-5/16" (135 mm)
D	1-7/8" (47mm)	1-7/8" (47mm)	1-7/8" (47mm)	1-7/8" (47mm)
E	4-7/8" (128mm)	5" (127mm)	6-3/4" (172mm)	6-3/4" (172mm)
F	2-1/4" (57mm)	2-7/8" (73mm)	3-3/4" (95mm)	3-3/4" (95mm)
Port Size	NPTF: 1/4", 3/8", 1/2" SAE: #6, #8, #10 BSP: 3/8", 1/2"	NPTF: 3/4", 1" SAE: #12, #16 BSP: 3/4", 1"	NPTF: 1-1/4", 1-1/2" SAE: #20, #24 BSP: 1-1/4", 1-1/2"	NPTF: 2" SAE: #32 BSP: 2"



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