



High Pressure
Air / Gas
Flow Monitors

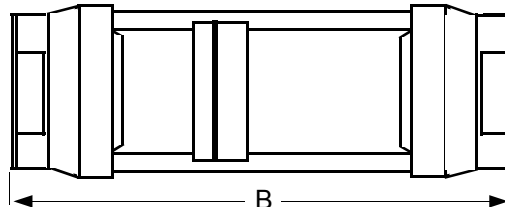
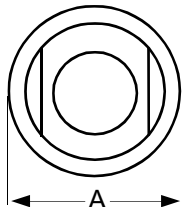
Code	Style
G	Basic In-Line Flow Monitor for Gases
H	High Temperature (400°F) In-Line Flow Monitor
J	High Temperature (600°F) In-Line Flow Monitor
M	Flow Alarm In-Line Flow Monitor (1 Adjustable Flow Switch)
N	Flow Alarm In-Line Flow Monitor (2 Adjustable Flow Switches)
R	Flow Transmitter In-Line Flow Monitor (4-20 mA DC)
	Code Size Code (Match Flow Range to Size Code from Tables Below)
	2 ⅛ to ¼ inch
	3 ¼ to ½ inch
	4 ¾ to 1 inch
	5 1¼ to 2 inch
	Code Material (Flow Tube and Connections)
	A Aluminum
	B Brass
	S Stainless Steel
	Code Pressure Rating
	4 600 PSIG Maximum (Aluminum and Brass only)
	5 1000 PSIG Maximum (Stainless Steel only)
	Code Fluid Media
	A Compressed Air and Gases
	Code Connection Size - Code from Table Below
	Code Flow Range - Code from Table Below
G	4 A - 4 A D - 30 ◀ Typical Model Number

Features

- Mount in any orientation (horizontal, vertical or inverted).
- Spring loaded variable area annular orifice metering disk.
- Verify air compressor outputs and test air consumption of pneumatic tools and machinery.
- High pressure operation to 1000 PSIG.
- High temperature flow monitors have Pyrex glass window tube and Teflon window seals.

Options

- Optional connection ports available in SAE or BSP threads.
- Some bi-directional flow models are available.
- Direct reading scales are available to correct for specific gravity, pressure temperature and engineering units.



Dimensions

Size Code	A	B	Port Sizes
2	1 1/4" (32 mm)	4 13/16" (122 mm)	NPTF: 1/8", 1/4"
3	1 7/8" (48 mm)	6 9/16" (167 mm)	NPTF: 1/4", 3/8", 1/2"
4	2 3/8" (60 mm)	7 5/32" (182 mm)	NPTF: 3/4", 1"
5	3 1/2" (90 mm)	10 1/8" (258 mm)	NPTF: 1 1/4", 1 1/2"
5	3 1/2" (90 mm)	12 5/8" (322 mm)	NPTF: 2"

Flow Ranges for Air @ 100 PSIG

Code	Oil and Water	Size Code
01	1.5 - 12 SCFM	2 & 3
02	4 - 23 SCFM	2 & 3
	2 - 30 SCFM	4 only
05	5 - 50 SCFM	3 only
	6 - 60 SCFM	4 only
10	10 - 100 SCFM	3 & 4
15	15 - 150 SCFM	3 & 4
20	20 - 215 SCFM	4 only
25	20 - 250 SCFM	4 & 5
30	30 - 330 SCFM	4 only
40	30 - 400 SCFM	4 only
50	40 - 500 SCFM	4 only
	30 - 470 SCFM	5 only
75	30 - 750 SCFM	5 only
88	150 - 900 SCFM	5 only
99	150 - 1300 SCFM	5 only

Note that standard air flow ranges are calibrated for compressed air at 100 PSIG / 21°C

Connection Size

Code	Port	Size Code
I	1/8" NPTF	2 only
S	1/4" NPTF	2 & 3
A	3/8" NPTF	3 only
B	1/2" NPTF	3 only
C	3/4" NPTF	4 only
D	1" NPTF	4 only
K	1 1/4" NPTF	5 only
L	1 1/2" NPTF	5 only
M	2" NPTF	5 only

Other connections are available, consult Muis Controls

Muis Controls Ltd. - Flow Meters - Flow Controls 2

29 Riel Drive, St. Albert, AB, Canada T8N 5C6

Ph +1-780-459-7080 Fx +1-780-459-7085 Toll Free 1-800-661-8823

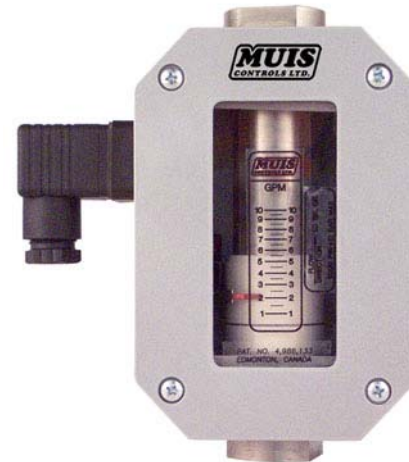
www.muiscontrols.com info@muiscontrols.com

Performance

Measuring Accuracy:	±2.5% of full scale in the centre third of the measuring range; ±4% of full scale over the entire scale range
Repeatability:	±1% of full scale
Flow Measuring Range:	18 models cover the flow range of 1.5 - 1300 SCFM
Max. Operating Pressure:	Aluminum / Brass monitors: 600 PSIG, (40 Barg) Stainless Steel monitors: 1000 PSIG (70 Barg)
Max. Operating Temperature:	G, M, N and R flow monitors - 240°F (116°C) H high temperature flow monitors - 400°F (204°C) J high temperature flow monitors - 600°F (316°C)
Differential Pressure:	See graphs
Standard Calibration Fluid:	Air @ 70°F (21°C), 1.0 SG and 100 PSIG (6.8 Barg)

Standard Materials of Construction

Meter Body	Aluminum	Brass	304 Stainless Steel
O-Ring Seals	Buna-N	Buna-N	Viton / Teflon Backup
Optional Seals	EPR, Viton, Kalrez, Aflas	Buna-N, EPR, Kalrez, Aflas	
Transfer Magnet	Teflon Coated Alnico		
Floating Orifice Disk and Inner Cartridge	Stainless Steel		
Window Tube	Polycarbonate (Pyrex with code H or J)		
Window Seals	Buna-N (Teflon with code H or J)		



**LK Series Flow Monitor
with Alarm Switch**

**Series V4 Paddle
Type Flow
Switches**



Also Available from Muis Controls



**Battery Powered
Stainless
Steel Turbine
Flow Meter**

**Heavy Duty Industrial
Sight Flow Indicators**



**Battery
Powered
Digital
Turbine
Flow
Meters**