

Pneumatic Flow Meters are ideal for monitoring air compressor efficiencies, pneumatic tool air consumption and industrial gas flows.

Features

Choice of Materials

Select from aluminium, brass or stainless steel to meet system and media compatibility requirements.

Unrestricted Mounting

Allows for horizontal, vertical or inverted installation.

Superior Exterior Design

Weather-tight for use outdoors and/or on systems where wash downs are required.

Rugged and Reliable

These monitors are constructed with all metal pressure vessels, allowing safe, permanent installation in industrial systems.

Multiple Ports Available

Standard selection of NPT, SAE and BSPP ports reduces the amount of adapters required for installation.

Technical Specifications

Measuring Accuracy

±2.5% of full scale in the centre third of the measuring range ±4% in upper and lower thirds

Repeatability

±1% of full scale

Flow Measuring Range

2-1300 SCFM @ 100 PSIG (1-600 SLPS)

Maximum Operating Pressure

Aluminium and brass monitors:
600 PSIG (40 bar)
Stainless steel: 1000 PSIG (69 bar)

Maximum Operating Temperature

240°F (116°C)

Note: For operation to 600°F (316°C) request a High Temperature datasheet.

Standard Calibration Fluids

Air @ 70°F (21°C), 1.0 sg and 100 PSIG (6.8 Bar)

Consult us for scale correction for application conditions & media.

Filtration Requirements

74 micron filter or 200 mesh screen minimum

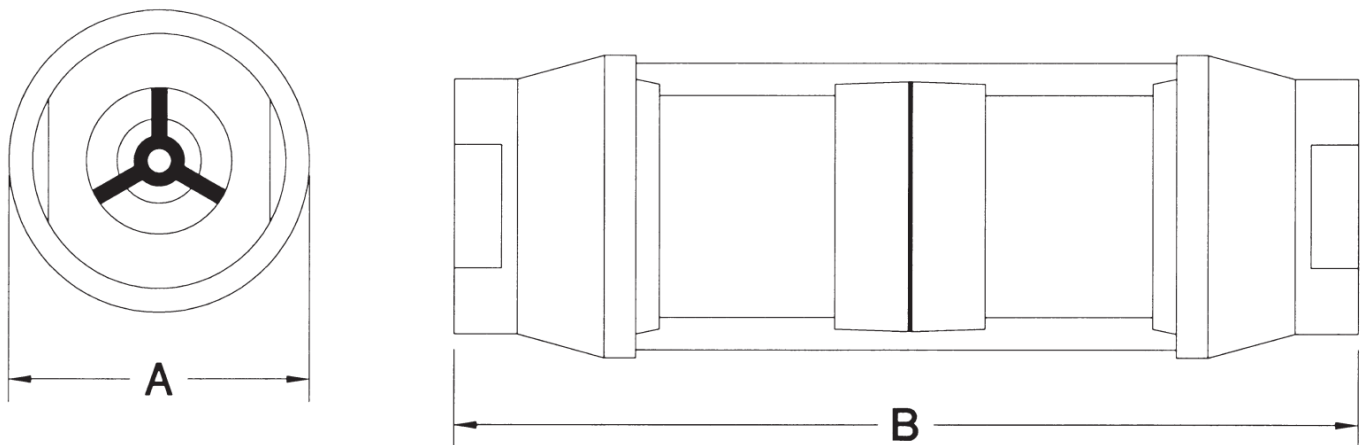


Materials Of Construction

	Aluminium	Brass	Stainless Steel
Flow Materials of Construction (Wetted Components)			
Casting & End Ports	Anodized Aluminium	Brass	Stainless Steel
Seals	Buna-N [®] (STD), EPR, FKM or FFKM	Buna-N [®] (STD), EPR, FKM or FFKM	FKM with PTFE backup (STD), Buna-N [®] , EPR or FFKM
Transfer Magnet	PTFE coated Alnico	PTFE coated Alnico	PTFE coated Alnico
All Other Internal Parts	Stainless Steel	Stainless Steel	Stainless Steel
Enclosure Materials of Construction (Non-Wetted Components)			
Window Tube	Polycarbonate	Polycarbonate	Polycarbonate
Window Seals	Buna-N [®]	Buna-N [®]	Buna-N [®]

Buna-N is a registered trademark of Chemische Werke Huls.

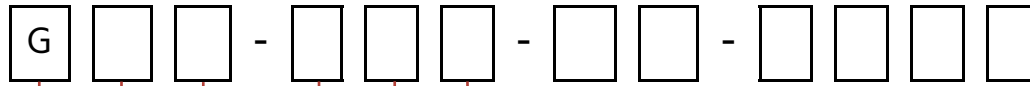
Dimensions



DIM	Series 3	Series 4	Series 5	Series 5 (2" Port only)
A	1-7/8" (48mm)	2-3/8" (60mm)	3-1/2" (90mm)	3-1/2" (90mm)
B	6-9/16" (167mm)	7-5/32" (182mm)	10-1/8" (258mm)	12-5/8" (322mm)

Products may be subject to change without notice - Contact us for the most up-to-date product information.

Part Number Guide



Pneumatic

Port Size Range

¼ - ½	3
¾ - 1"	4
1 ¼ - 2"	5

Material

Aluminium	A
Brass	B
Stainless Steel	S

Max. Pressure Rating

600 psig (air & gas, aluminium & brass)	4
1000 psig (air & gas, stainless steel)	5

Fluid Media

Air & Gases	A
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Porting/Thread Type

(all female)	Size	
¼" NPTF, dry seal	3 only	S
¾" NPTF, dry seal	3 only	A
½" NPTF, dry seal	3 only	B
¾" NPTF, dry seal	4 only	C
1" NPTF, dry seal	4 only	D
#6 SAE, O-ring seal	3 only	E
#8 SAE, O-ring seal	3 only	F
#10 SAE, O-ring seal	3 only	G
#12 SAE, O-ring seal	4 only	H
#16 SAE, O-ring seal	4 only	J
1 ¼" NPTF, dry seal	5 only	K
1 ½" NPTF, dry seal	5 only	L
2" NPTF, dry seal	5 only	M
#20 SAE, O-ring seal	5 only	N
#24 SAE, O-ring seal	5 only	P
#32 SAE, O-ring seal	5 only	Q
¼" BSPP	3 only	8
¾" BSPP	3 only	R
½" BSPP	3 only	T
¾" BSPP	4 only	U
1" BSPP	4 only	V
1 ¼" BSPP	5 only	W
1 ½" BSPP	5 only	Y
2" BSPP	5 only	X

Special Scale/Custom Product

Flow Ranges

Air	SLPS	Size		
2.0-12 SCFM	1-5.50	3 only	0	1
4-23 SCFM	2-10	3 & 4	0	2
5-50 SCFM	3-23	3 & 4	0	5
10-100 SCFM	6-48	3 & 4	1	0
25-150 SCFM	10-70	3 & 4	1	5
20-215 SCFM	10-100	4 only	2	0
20-250 SCFM	15-120	4 & 5	2	5
30-330 SCFM	15-150	4 only	3	0
30-400 SCFM	15-180	4 only	4	0
40-500 SCFM	30-230	4 only	5	0
30-470 SCFM	30-210	5 only	5	0
30-750 SCFM	25-350	5 only	7	5
150-900 SCFM	50-450	5 only	8	8
150-1300 SCFM	100-600	5 only	9	9

* Note: SAE porting not available in Brass. We'll have to consult the factory for SAE brass monitor requirements.

* For special scales, we'll need to consult the factory