

PNEUMATIC FLOW METERS

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



TECHNICAL SPECIFICATIONS

Measuring Accuracy

±2.5% of full scale in the center 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

Aluminum and brass meters: 600 PSIG (40 Bar)
Stainless steel meters: 1000 PSIG (69 Bar)

Maximum Operating Temperature

240°F (116°C) Note: For operation to 600°F (316°C), see our High Temperature data sheet.

Standard Calibration Fluids

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

Consult factory for scale correction for application conditions & media.

Filtration Requirements

74 micron filter or 200 mesh screen minimum

BENEFITS

Choice of Materials

Select from aluminum, 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.

MATERIALS OF CONSTRUCTION (NON-WETTED COMPONENTS)

	Aluminum	Brass	Stainless Steel
Window Tube	Polycarbonate	Polycarbonate	Polycarbonate
Window Seals	Buna-N®	Buna-N®	Buna-N®

MATERIALS OF CONSTRUCTION (WETTED COMPONENTS)

	Aluminum	Brass	Stainless Steel
Casing & End Ports	Anodized Aluminum	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

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

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PART NUMBER GUIDE

- - -

PNEUMATIC

PORT SIZE RANGE

1/4" - 1/2" =

3/4" - 1" =

1-1/4 - 2" =

MATERIAL

Aluminum =

Brass =

Stainless Steel =

MAX. PRESSURE RATING

600 psig (air & gas, aluminum & brass) =

1000 psig (air & gas, stainless steel) =

FLUID MEDIA

Air & Gases =

Note: For special scales consult factory.

PORTING/THREAD TYPE

(all female)

1/4" NPTF, dry seal	3 only	=	<input type="text" value="S"/>
3/8" NPTF, dry seal	3 only	=	<input type="text" value="A"/>
1/2" NPTF, dry seal	3 only	=	<input type="text" value="B"/>
3/4" NPTF, dry seal	4 only	=	<input type="text" value="C"/>
1" NPTF, dry seal	4 only	=	<input type="text" value="D"/>
#6 SAE, O-ring seal	3 only	=	<input type="text" value="E"/>
#8 SAE, O-ring seal	3 only	=	<input type="text" value="F"/>
#10 SAE, O-ring seal	3 only	=	<input type="text" value="G"/>
#12 SAE, O-ring seal	4 only	=	<input type="text" value="H"/>
#16 SAE, O-ring seal	4 only	=	<input type="text" value="J"/>
1-1/4" NPTF, dry seal	5 only	=	<input type="text" value="K"/>
1-1/2" NPTF, dry seal	5 only	=	<input type="text" value="L"/>
2" NPTF, dry seal	5 only	=	<input type="text" value="M"/>
#20 SAE, O-ring seal	5 only	=	<input type="text" value="N"/>
#24 SAE, O-ring seal	5 only	=	<input type="text" value="P"/>
#32 SAE, O-ring seal	5 only	=	<input type="text" value="Q"/>
1/4 BSPP	3 only	=	<input type="text" value="R"/>
3/8" BSPP	3 only	=	<input type="text" value="T"/>
1/2" BSPP	3 only	=	<input type="text" value="U"/>
3/4" BSPP	4 only	=	<input type="text" value="V"/>
1" BSPP	4 only	=	<input type="text" value="W"/>
1-1/4" BSPP	5 only	=	<input type="text" value="Y"/>
1-1/2" BSPP	5 only	=	<input type="text" value="X"/>
2" BSPP	5 only	=	<input type="text" value="X"/>

Note: SAE porting not available in Brass. Consult factory for SAE brass monitor requirements.

SPECIAL SCALE/CUSTOM PRODUCT

OPTIONAL FLOW DIRECTIONS

Standard Flow, Uni-Directional =

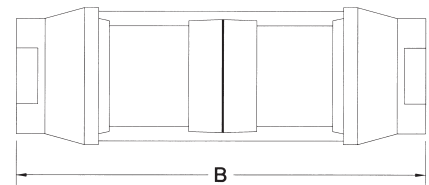
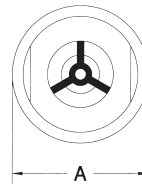
Reverse Flow =

FLOW RANGES

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

MECHANICAL - SIZE CODE

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 factory for the most up-to-date product information.