

# 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

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**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="8"/>
3/8" BSPP	3 only = <input type="text" value="R"/>
1/2" BSPP	3 only = <input type="text" value="T"/>
3/4" BSPP	4 only = <input type="text" value="U"/>
1" BSPP	4 only = <input type="text" value="V"/>
1-1/4" BSPP	5 only = <input type="text" value="W"/>
1-1/2" BSPP	5 only = <input type="text" value="Y"/>
2" BSPP	5 only = <input type="text" value="X"/>

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

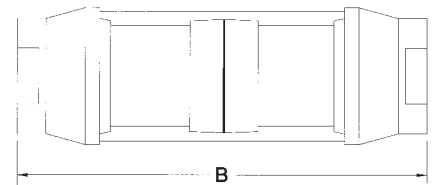
**SPECIAL SCALE/CUSTOM PRODUCT**

**FLOW RANGES**

<b>Air</b>		<b>Size</b>	
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"/>
30-330 SCFM	15-150 SLPS	4 & 5 =	<input type="text" value="2"/> <input type="text" value="5"/>
30-400 SCFM	15-180 SLPS	4 only =	<input type="text" value="3"/> <input type="text" value="0"/>
40-500 SCFM	30-230 SLPS	4 only =	<input type="text" value="4"/> <input type="text" value="0"/>
30-470 SCFM	30-210 SLPS	4 only =	<input type="text" value="5"/> <input type="text" value="0"/>
30-750 SCFM	25-350 SLPS	5 only =	<input type="text" value="5"/> <input type="text" value="0"/>
150-900 SCFM	50-450 SLPS	5 only =	<input type="text" value="7"/> <input type="text" value="5"/>
150-1300 SCFM	100-600 SLPS	5 only =	<input type="text" value="8"/> <input type="text" value="8"/>
		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" (60 mm)	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.