

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

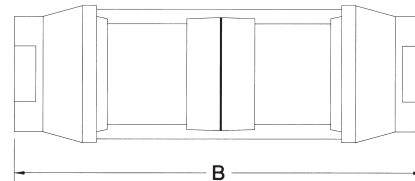
PNEUMATIC		PORTING/THREAD TYPE		SPECIAL SCALE/CUSTOM PRODUCT		OPTIONAL FLOW DIRECTIONS																													
PORT SIZE RANGE 1/4" - 1/2" = <input type="text" value="3"/> 3/4" - 1" = <input type="text" value="4"/> 1-1/4" - 2" = <input type="text" value="5"/>		MATERIAL Aluminum = <input type="text" value="A"/> Brass = <input type="text" value="B"/> Stainless Steel = <input type="text" value="S"/>		MAX. PRESSURE RATING 600 psig (air & gas, aluminum & brass) = <input type="text" value="4"/> 1000 psig (air & gas, stainless steel) = <input type="text" value="5"/>		FLUID MEDIA Air & Gases = <input type="text" value="A"/>																													
PORTING/THREAD TYPE (all female) 1/4" NPTF, dry seal 3/8" NPTF, dry seal 1/2" NPTF, dry seal 3/4" NPTF, dry seal 1" NPTF, dry seal #6 SAE, O-ring seal #8 SAE, O-ring seal #10 SAE, O-ring seal #12 SAE, O-ring seal #16 SAE, O-ring seal 1-1/4" NPTF, dry seal 1-1/2" NPTF, dry seal 2" NPTF, dry seal #20 SAE, O-ring seal #24 SAE, O-ring seal #32 SAE, O-ring seal 1/4" BSPP 3/8" BSPP 1/2" BSPP 3/4" BSPP 1" BSPP 1-1/4" BSPP 1-1/2" BSPP 2" BSPP		Size 3 only = <input type="text" value="S"/> 3 only = <input type="text" value="A"/> 3 only = <input type="text" value="B"/> 4 only = <input type="text" value="C"/> 4 only = <input type="text" value="D"/> 3 only = <input type="text" value="E"/> 3 only = <input type="text" value="F"/> 3 only = <input type="text" value="G"/> 4 only = <input type="text" value="H"/> 4 only = <input type="text" value="J"/> 5 only = <input type="text" value="K"/> 5 only = <input type="text" value="L"/> 5 only = <input type="text" value="M"/> 5 only = <input type="text" value="N"/> 5 only = <input type="text" value="P"/> 5 only = <input type="text" value="Q"/> 3 only = <input type="text" value="R"/> 3 only = <input type="text" value="T"/> 4 only = <input type="text" value="U"/> 4 only = <input type="text" value="V"/> 5 only = <input type="text" value="W"/> 5 only = <input type="text" value="Y"/> 5 only = <input type="text" value="X"/>		FLOW RANGES <table border="1"> <thead> <tr> <th>Air</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>2-12 SCFM</td> <td>1-5.50 SLPS</td> </tr> <tr> <td>4-23 SCFM</td> <td>2-10 SLPS</td> </tr> <tr> <td>5-50 SCFM</td> <td>3-23 SLPS</td> </tr> <tr> <td>10-100 SCFM</td> <td>6-48 SLPS</td> </tr> <tr> <td>25-150 SCFM</td> <td>10-70 SLPS</td> </tr> <tr> <td>20-215 SCFM</td> <td>10-100 SLPS</td> </tr> <tr> <td>20-250 SCFM</td> <td>15-120 SLPS</td> </tr> <tr> <td>30-330 SCFM</td> <td>15-150 SLPS</td> </tr> <tr> <td>30-400 SCFM</td> <td>15-180 SLPS</td> </tr> <tr> <td>40-500 SCFM</td> <td>30-230 SLPS</td> </tr> <tr> <td>30-470 SCFM</td> <td>30-210 SLPS</td> </tr> <tr> <td>30-750 SCFM</td> <td>25-350 SLPS</td> </tr> <tr> <td>150-900 SCFM</td> <td>50-450 SLPS</td> </tr> <tr> <td>150-1300 SCFM</td> <td>100-600 SLPS</td> </tr> </tbody> </table>		Air	Size	2-12 SCFM	1-5.50 SLPS	4-23 SCFM	2-10 SLPS	5-50 SCFM	3-23 SLPS	10-100 SCFM	6-48 SLPS	25-150 SCFM	10-70 SLPS	20-215 SCFM	10-100 SLPS	20-250 SCFM	15-120 SLPS	30-330 SCFM	15-150 SLPS	30-400 SCFM	15-180 SLPS	40-500 SCFM	30-230 SLPS	30-470 SCFM	30-210 SLPS	30-750 SCFM	25-350 SLPS	150-900 SCFM	50-450 SLPS	150-1300 SCFM	100-600 SLPS
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Note: For special scales consult factory.

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

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.