

Ideal for monitoring air compressor efficiencies, pneumatic tool air consumption and industrial gas flows



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 @ 6.8 Bar

(1-600 SLPS)

Maximum Operating Pressure

Aluminium and brass meters: 40

Bar Stainless steel meters: 69 Bar

Maximum Operating Temperature

116°C Note: For operation to 316°C see our High Temperature data sheet.

Standard Calibration Fluids

Air @ 21°C, 1.0sg and 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 (NON-WETTED COMPO-

| | Aluminium | Brass | Stainless Steel |
|--------------|---------------|---------------|-----------------|
| Window Tube | Polycarbonate | Polycarbonate | Polycarbonate |
| Window Seals | Buna-N® | Buna-N® | Buna-N® |

MATERIALS OF CONSTRUCTION (WETTED COMPONENTS)

| | Aluminium | Brass | Stainless Steel |
|--------------------------|------------------------------------|------------------------------------|---|
| Casing & 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 |
| Transfer Magnet | PTFE coated Alnico | PTFE coated Alnico | PTFE coated Alnico |
| All other internal parts | Stainless Steel | Stainless Steel | Stainless Steel |

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)

| | Size | |
|-----------------------|--------|----------------------------------|
| 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="X"/> |
| 1-1/2" BSPP | 5 only | = <input type="text" value="Y"/> |
| 2" BSPP | 5 only | = <input type="text" value="Z"/> |

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" (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) |

