DESCRIPTION

Flowmetrics Series 2000 Variable Area Flowmeter is a rugged industrial flowmeter available in a wide range of liquid and gas flow rates. The Series 2000 family includes flowmeters with scale lengths of 150mm and 250mm, providing accuracies to ±1% of flow rate. Materials of construction are available for the most corrosive process applications. All flowmeters include hardware for panel mounting.

DESIGN FEATURES

- Horizontal end fittings rotateable in 90° increments
- Triple "0" Ring Seals
- Heavy Duty Safety Shields, Front & Rear
- Ten-to-One Range (250mm Scale)
- Clean Out Ports Top and Bottom (Horizontal End fittings)
- Panel or In-Line Top and Bottom (Horizontal End fittings)
- Direct Reading Scales are Engraved for each application
- Heavy Gauge Steel Mounting Hardware Included with each Meter
- Optional 316SS Frames Available.
- Stainless Steel Bezels

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SPECIFICATIONS

CAPACITY
2.8 cc/min - 180 GPM, Liquid
100 cc/min - 750 SCFM, Gas

RANGE: See Tube Capacity Table 5 and 6, Page 10

SCALE LENGTH: 150mm (Model 2150)
250mm (Model 2250)

GRADUATION: Direct reading on detachable scale with millimeter graduation on tube. Also available with Per Cent graduation on glass tube.

UNITS: GPM, GPH, PPM, PPH, LPM, LPH, CC/MIN, SCFM, SCFH, CFM
(Customer to Specify)

DUAL SCALE: Optional for Dual Engineering Units or Multiple Operating Conditions (i.e., specific gravity, or viscosity or different pressure)

CUSTOM: Pressure / flow Nomographs Fused on Tube

ACCURACY
± 2% full scale, standard for 250mm meter
± 1% full scale, optional for 250mm meter
± 5% full scale, standard for 150mm meter

REPEATABILITY
0.5% Full Scale

MAXIMUM PRESSURE
Refer to Table 7, page 10

OPERATING TEMPERATURE
250°F / 121°C

CONNECTIONS
NPT, MS, Vertical/Horizontal Flange

MOUNTING
In-Line or Panel, Standard

Model 2250 HF

MATERIALS OF CONSTRUCTION

Flowmeter Tube - Borosilicate Glass

Floats - Standard (250mm Tube): 316SS
Optional (250mm Tubes): Teflon, PVC, Hastelloy C
Standard (150mm Tube): 316SS, Black Glass, Sapphire, Tungsten Carbide

End Fittings - Standard: Carbon Steel, Epoxy Painted
Optional: 316SS, 304SS, Brass, Aluminum, Hastelloy, PVC, Solid Teflon

"O" Rings - Buna, Viton, EPR, Teflon (as required by process conditions)

Frame - Heavy Gauge Carbon Steel, Corrosion resistant epoxy paint
Optional: 316SS

Bezel - Heavy Gauge Stainless Steel

Shielding - 1/4" Thick Acrylic safety shields, front and back