VENTURI FLOWMETER WITH MAGNEHELIC® GAGE
±2.5% Accuracy, Dual Scale in SCFM & in w.c.

The SERIES VFLO Venturi Flowmeter with Magnehelic® Gage is fabricated from aluminum and has a gradual Venturi profile to reduce pressure losses through the meter. Flexible connections enable the meter to be used in vertical or horizontal applications. The Magnehelic® gage provides a large, clear and accurate display of your differential pressure reading. Each meter is calibrated at standard atmospheric conditions. The dual scale reads in SCFM and in w.c. The meter is supplied with easy to read reference charts for various flow conditions. It is available in line sizes from 1" to 4" and can handle vacuum and pressure applications.

FEATURES/BENEFITS
• Gradual Venturi profile reduces pressure losses through meter helping to insure a more accurate measurement to meet measurement specifications
• Easy to read gage through undistorted plastic face permits viewing from far away
• Patented design provides quick response to pressure changes means no delay in assessing critical situations
• Durable and rugged housing and high-quality components combined provides long-service life and minimized down-time

APPLICATIONS
• Filter monitoring
• Air velocity with Dwyer pitot tube
• Blower vacuum monitoring
• Fan pressure indication
• Duct, room or building pressures
• Blower vacuum monitoring
• Air velocity with Dwyer pitot tube
• Filter monitoring

SERIES 2000, Magnehelic® Differential Pressure Gage*
*See Series 2000 Magnehelic® for gage price.

To Create Venturi Model, add option from chart to end of 2000.

Example: 2000-10VF1 for 10 in w.c. & 20 SCFM of Air Scale with 1" Venturi Flow Tube

<table>
<thead>
<tr>
<th>VFLO Kit</th>
<th>Line Size A</th>
<th>B</th>
<th>ØC</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>J</th>
<th>K</th>
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<tr>
<td>VF1</td>
<td>1&quot; FNPT</td>
<td>4.500</td>
<td>2.687</td>
<td>2</td>
<td>2.015</td>
<td>2.125</td>
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<td>VF2</td>
<td>1.5&quot; FNPT</td>
<td>6</td>
<td>2.562</td>
<td>2.500</td>
<td>2.625</td>
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<td>2.562</td>
<td>3</td>
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<td>5.000</td>
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<td>6.500</td>
<td>5.328</td>
<td>3.000</td>
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Gage only: 1 lb 2 oz (510 g), MP & HP 2 lb 2 oz (963 g); Venturi: see chart.

SAMPLE SPECIFICATIONS
Service: Air and non-combustible, compatible gases. (Natural gas option available).
Wetted Materials: Aluminum, silicone, acrylic, polycarbonate, high carbon steel, low carbon steel, brass, paper, acrylic paint, enamel paint, alkyd coating, nickel plate, zinc plate, helsel FC, 300 series stainless steel, PTFE, Loctite® AV sealant, commercial black rubber, neoprene, saranum cobalt, nickel alloy steel cover, beryllium copper.

Housing: Die cast aluminum case and bezel, with acrylic cover. Exterior finish is coated gray to withstand 168 hour salt spray corrosion test.
Accuracy: ±2.5% FS.
Pressure Limits: -20° Hg to 15 psig (+0.677 bar to 1.034 bar); MP option: 35 psig (2.41 bar). For applications with high cycle rate within gage total pressure rating, next higher rating is recommended.

Overpressure: Relief plug opens at approximately 25 psig (1.72 kPa). For applications with high cycle rate within gage total pressure rating, next higher rating is recommended.

Temperature Limits: 20 to 140°F (-6.67 to 60°C).
Size: 4" (101.6 mm) diameter dial face.
Mounting Orientation: Diaphragm in vertical position. Consult factory for other position orientations.
Process Connection: Female NPT of nominal line size. (See chart).

Weight: Gage only: 1 lb 2 oz (510 g), MP & HP 2 lb 2 oz (963 g); Venturi: see chart.

SPECIFICATIONS

USA: California Proposition 65

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

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