Venturi with Ball Valve
Brass venturi flow measurement section with integrated ball valve for small HVAC system applications.
- Calibrated full port ball valve
- Sizes from ½” to 2”
- Flow range from 0.3 GPM to 75 GPM
- Memory stop for re-setting valve after isolation/shut-off
- Integrated P/T ports for easy ΔP measurement
- Union-ended tailpieces for quick installation

Venturi with or without Butterfly Valve
Steel venturi flow measurement section with or without butterfly valve for large system applications.
- Available with flange, groove, or weld end connections
- Sizes from 2½” to 12”
- Flow range from 20 GPM to 9,700 GPM
- Integrated 2” P/T ports for easy ΔP measurement
- Flow accuracy as fine as +/- 1%
- Butterfly valve includes 10 position memory stop

Bell & Gossett Venturi valves provide balance, ease of commissioning, and shut-off for use in a wide range of HVAC systems. The venturi design provides efficient and accurate flow balancing with minimal pressure loss. The ball/butterfly valve provides complete shut-off capability for use when servicing a section of your system. Offered in a wide range of sizes and end connections, Bell & Gossett Venturi valves can be the perfect solution for your entire system.
Model MV - Venturi with Ball Valve

Body: C37700 Brass
Ball: Chrome Plated Brass
Ball Seat: PTFE
O-Rings: EPDM
Handle: Chrome Plated Steel w/ Vinyl Cover
Stem: Explosion Proof
Max. Working Pressure: 400 psig (2,758 kPa)
Temperature Range: -4°F (-20°C) to 250°F (121°C)
Accuracy:
+/- 1% between 0.36 psi & 2.53 psi
+/- 3% between 0.18 & 0.36 psi and 2.53 & 5.42 psi
+/- 5% for ∆P<0.18 psi and >5.42 psi

See Submittal A-606.40A for full pressure drop information

<table>
<thead>
<tr>
<th>SIZE</th>
<th>DIMENSIONS* in inches (mm)</th>
<th>FLOW INFORMATION in GPM (L/m)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>B</td>
</tr>
<tr>
<td>½&quot;</td>
<td>1.30 (33)</td>
<td>4.98 (126)</td>
</tr>
<tr>
<td>¾&quot;</td>
<td>1.50 (38)</td>
<td>5.40 (137)</td>
</tr>
<tr>
<td>1&quot;</td>
<td>1.80 (46)</td>
<td>5.80 (147)</td>
</tr>
<tr>
<td>1½&quot;</td>
<td>2.05 (52)</td>
<td>6.60 (168)</td>
</tr>
<tr>
<td>1¼&quot;</td>
<td>2.48 (63)</td>
<td>7.60 (193)</td>
</tr>
<tr>
<td>2&quot;</td>
<td>2.64 (67)</td>
<td>9.90 (251)</td>
</tr>
</tbody>
</table>

**Dimensions not to be used for construction purposes**

Model MVF & VF - Venturi with and without Butterfly Valve

Venturi Body: Carbon Steel
Butterfly Valve Body: Nodular Cast Steel
Disc: Aluminum/Bronze
Stem: Stainless Steel
Liner: EPDM
Max. Working Pressure: 150 psig (1,034 kPa)
Temperature Range:
-4°F (-20°C) to 230°F (111°C) w/o Butterfly Valve
-4°F (-20°C) to 212°F (100°C) w/ Butterfly Valve
Accuracy:
+/- 1% for ∆P between 0.36 psi & 2.53 psi
+/- 3% for ∆P between 0.18 & 0.36 psi and 2.53 & 5.42 psi
+/- 5% for ∆P<0.18 psi and >5.42 psi

See Submittal A-612C for full pressure drop information

<table>
<thead>
<tr>
<th>SIZE</th>
<th>DIMENSIONS* in inches (mm)</th>
<th>FLOW INFORMATION in GPM (L/m)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>B</td>
</tr>
<tr>
<td>2½&quot;</td>
<td>11.7 (297)</td>
<td>13.5 (343)</td>
</tr>
<tr>
<td>3&quot;</td>
<td>12 (305)</td>
<td>13.8 (351)</td>
</tr>
<tr>
<td>4&quot;</td>
<td>12.65 (321)</td>
<td>14.56 (370)</td>
</tr>
<tr>
<td>5&quot;</td>
<td>13.7 (348)</td>
<td>15.8 (401)</td>
</tr>
<tr>
<td>6&quot;</td>
<td>13.75 (349)</td>
<td>15.95 (405)</td>
</tr>
<tr>
<td>8&quot;</td>
<td>16.54 (420)</td>
<td>18.94 (481)</td>
</tr>
<tr>
<td>10&quot;</td>
<td>20.8 (528)</td>
<td>23.4 (594)</td>
</tr>
<tr>
<td>12&quot;</td>
<td>20.88 (530)</td>
<td>23.88 (607)</td>
</tr>
</tbody>
</table>

**Dimensions not to be used for construction purposes**

Venturi models also available in groove x groove and weld x weld configurations. Venturi w/ Butterfly models also available in groove x flange and weld x flange models. See submittals A-613 and A-614 for more information about these products.

xylem
Let's Solve Water

Xylem Inc.
8200 N. Austin Avenue
Morton Grove, Illinois 60053
Phone: (847) 966-3700
Fax: (847) 965-8379
www.bellgossett.com

Bell & Gossett is a trademark of Xylem Inc. or one of its subsidiaries.
© 2013 Xylem Inc.  A-627  January 2010