The Style 735 Victaulic® Fire Pump Test Meter was specifically designed for the monitoring of fire protection systems. Style 735 consists of a calibrated Victaulic Venturi with attached dial meter (specify Model “S”, 4½”/120 mm dial meter; or Model “L”, 6”/150 mm dial meter) and flow reading in GPM (gallons per minute) or m³/hr. (cu. meters/hour). Quickly installed on the discharge side of the pump with just two Victaulic couplings, the Style 735 provides accurate measurements of pump performance.

The Victaulic Fire Pump Test Meter is designed for use with Victaulic FM Approved products in 2½ – 12”/65 – 300 mm sizes. Maximum working pressure for Model “L” is 175 psi/1200 kPa, Model “S” is rated to 500 psi/3450 kPa.

### MATERIAL SPECIFICATIONS

- **Housing:** Steel – 4”/100 mm and under, Schedule 40, conforming to ASTM A-53; 5½/125 mm and above conforming to ASTM A-53 Grade B.
- **Cone:** Steel conforming to ASTM A-569
- **Needle Valve:** Yellow brass conforming to ASTM B-124 (377)
- **NPT Size:** ¼”/6.4 mm
- **Tubing:** Yellow brass conforming to ASTM B-16 (360)
- **Meter:** 4½” Dial Type – Model “S”  
  • Optional: 6” Dial Type – Model “L”
## DIMENSIONS

<table>
<thead>
<tr>
<th>Nominal Size</th>
<th>Actual Size</th>
<th>Nominal Flow Rate</th>
<th>Meter Range*</th>
<th>Approx. Wgt. Each</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Inches</td>
<td>GPM</td>
<td>Minimum-Maximum</td>
<td>Inches</td>
</tr>
<tr>
<td>2½ 65</td>
<td>2.875</td>
<td>100</td>
<td>40 – 200</td>
<td>4.00</td>
</tr>
<tr>
<td>3 80</td>
<td>3.500</td>
<td>200</td>
<td>100 – 400</td>
<td>4.25</td>
</tr>
<tr>
<td>4 100</td>
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<td>250</td>
<td>100 – 500</td>
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<tr>
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<td>4.500</td>
<td>250</td>
<td>100 – 600</td>
<td>3.75</td>
</tr>
<tr>
<td>4 100</td>
<td>4.500</td>
<td>250</td>
<td>200 – 900</td>
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<tr>
<td>5 125</td>
<td>5.563</td>
<td>500</td>
<td>200 – 1000</td>
<td>5.00</td>
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<tr>
<td>6 150</td>
<td>6.625</td>
<td>750</td>
<td>300 – 1500</td>
<td>6.00</td>
</tr>
<tr>
<td>6 150</td>
<td>6.625</td>
<td>750</td>
<td>500 – 2500</td>
<td>6.00</td>
</tr>
<tr>
<td>6 150</td>
<td>6.625</td>
<td>750</td>
<td>600 – 3000</td>
<td>7.00</td>
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<td>8 200</td>
<td>8.625</td>
<td>2000</td>
<td>1000 – 4000</td>
<td>7.00</td>
</tr>
<tr>
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<td>8.625</td>
<td>2000</td>
<td>227 – 908</td>
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<tr>
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<td>2000</td>
<td>227 – 1135</td>
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<tr>
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<td>5000</td>
<td>2000 – 10000</td>
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</tr>
<tr>
<td>12 300</td>
<td>12.750</td>
<td>5000</td>
<td>454 – 2272</td>
<td>12.00</td>
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</tbody>
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* Specify Model “L” for 6" dia; Model “S” for 4½" dia.

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**Fire Pump Test Meter**

**SERIES 735**

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IPS CARBON STEEL PIPE – GROOVED SYSTEM

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10.11 IPS CARBON STEEL PIPE – GROOVED SYSTEM

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10.11_2 IPS CARBON STEEL PIPE – GROOVED SYSTEM

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10.11_2 IPS CARBON STEEL PIPE – GROOVED SYSTEM
OPERATING INSTRUCTIONS FOR FIRE PUMP FLOW VENTURI

1. Close system valve "A".
2. Open bypass valve "B" and throttle valve "C".
3. Purge meter located on Style 735 Fire Pump Test Meter as follows: Open station shut-off valves (below meter) and vent valves (above meter). When a steady stream of water is passing through each plastic hose, meter is purged of air. Close all valves after air purging.
4. Start Fire Pump and read meter in GPM (m³/hr.).
5. Refer to pump GPM requirement and adjust throttle valve to achieve various flow readings. Record pump GPM, suction and discharge pressures, etc., accordance with requirements.
Fire Pump Test Meter
SERIES 735

INSTALLATION
Reference should always be made to the I-100 Victaulic Field Installation Handbook for the product you are installing. Handbooks are included with each shipment of Victaulic products for complete installation and assembly data, and are available in PDF format on our website at www.victaulic.com.

WARRANTY
Refer to the Warranty section of the current Price List or contact Victaulic for details.

NOTE
This product shall be manufactured by Victaulic or to Victaulic specifications. All products to be installed in accordance with current Victaulic installation/assembly instructions. Victaulic reserves the right to change product specifications, designs and standard equipment without notice and without incurring obligations.