# GVI Fire Pump Meters - Dimensional Data

## Construction & Specifications

- **Materials:** Machined 1018 / 1026 Carbon Steel or Cast Carbon Steel "WCB"
- **Valves:** 1/4" Brass Ball
- **Flange Options:**
  - 150# ANSI B 16.5
  - 300# ANSI B 16.5
- **ID Tag:** Polycarbonate

## Meter Data

- **Construction:** Aluminum Body
- **Operation:** Diaphragm (Buna Convoluted)
- **Accuracy:** ±2% Full Scale
- **Temperature:** 180°F / 80°C
- **Pressure:** 500 PSIG - 3450 KPA
- **Approx. Weight:** 3.75 LBS (1.7 KGS)

4" Dial Standard - 6" Dial Available


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### BUTT WELD / GROOVED

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### BUTT WELD

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### GROOVED

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### FLANGED

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### Size

<table>
<thead>
<tr>
<th>Size</th>
<th>BUTT WELD &amp; GROOVED</th>
<th>150# FLANGED</th>
<th>300# FLANGED</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>&quot;A&quot; Dim</td>
<td>Approx. Weight</td>
<td>&quot;A&quot; Dim</td>
</tr>
<tr>
<td>1-1/4&quot;</td>
<td>4.875</td>
<td>2 lbs.</td>
<td>—</td>
</tr>
<tr>
<td>2&quot;</td>
<td>5.000</td>
<td>3.5 lbs.</td>
<td>—</td>
</tr>
<tr>
<td>2-1/2&quot;</td>
<td>4.000</td>
<td>5 lbs.</td>
<td>9.250</td>
</tr>
<tr>
<td>3&quot;</td>
<td>4.000</td>
<td>6 lbs.</td>
<td>9.375</td>
</tr>
<tr>
<td>3-1/2&quot;</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>4&quot;</td>
<td>5.375</td>
<td>10 lbs.</td>
<td>11.375</td>
</tr>
<tr>
<td>5&quot;</td>
<td>6.000</td>
<td>20 lbs.</td>
<td>13.000</td>
</tr>
<tr>
<td>6&quot;</td>
<td>7.000</td>
<td>22 lbs.</td>
<td>14.000</td>
</tr>
<tr>
<td>8&quot;</td>
<td>7.250</td>
<td>31 lbs.</td>
<td>15.250</td>
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<tr>
<td>10&quot;</td>
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<td>45 lbs.</td>
<td>16.000</td>
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<tr>
<td>12&quot;</td>
<td>12.000</td>
<td>78 lbs.</td>
<td>21.000</td>
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<tr>
<td>14&quot;</td>
<td>14.000</td>
<td>85 lbs.</td>
<td>—</td>
</tr>
<tr>
<td>16&quot;</td>
<td>28.000</td>
<td>166 lbs.</td>
<td>—</td>
</tr>
</tbody>
</table>

### Operating Instructions

2. Open System By-Pass Valve and Throttle Valve.
3. Purge Meter Located on Venturi as follows:
   - Open Shut-Off Valves & Vent Valves.
   - When a Steady Stream of Water is Passing Through Each Plastic Hose, the Meter is Purged of Air.
   - Close Vent Valve After Purging.
4. Start Fire Pump, Read Meter in GPM / LPM.
5. Refer to Pump GPM / LPM Requirement and Adjust Throttle Valve for This Requirement.
6. After Test Open System Valve and Close System By-Pass and Throttle Valves.

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# GVI Venturi Fire Pump Test Meter

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