The Series PE Orifice Plate Flow Meter offers one-piece PVC construction incorporating a unique holder or carrier ring containing metering taps and integral gaskets. Unlike a standard orifice plate, the Series PE is a true primary element including the various components for differential pressure measurement. It was designed for use wherever there is an application for a conventional flow orifice plate. It can also be used in place of other primary differential producers for efficiency and cost effectiveness. The Series PE is available in line sizes from 1/2” to 24” and used for air and most gases. It meets or exceeds ASME, AGA & ISO standards.

SERIES PE FEATURES
• Mounted with standard flanges
• Standard “corner tap” configuration
• Corrosion free material
• Simplified installation
• Built in metering taps (1/4” female NPT STD)
• Proven through a wide range of applications for accuracy and energy efficiency
• Assures long term reliability and accuracy

The Series TE Orifice Plate Flowmeter offers one-piece PTFE construction similar to the OP and PE Series orifice plates, which incorporate a unique holder or carrier ring containing metering taps and integral gaskets. Available for line sizes from 1/2” to 24”, the Series TE orifice plate can be used with gases, liquids, corrosive, and high temperature fluids. The Series TE can be easily installed by slipping the unit between standard flanges (orifice flanges are not required). The Series TE was designed for use anywhere there is an application for a conventional flow orifice plate. It can also be used in place of other primary differential producers for efficiency and cost effectiveness.

SERIES TE FEATURES
• Excellent chemical resistance
• Weather resistant
• Flame retardant (without factory gaskets)
• Low friction (minimum wear)
• Orifice plate thickness 1/4” offering greater stability
### Series PE Orifice Flowmeter – Air Capacity Structure

- Material PVC - Gaskets Buna-N
- Based on 70°F, 14.7 psia (Base Conditions)
- Beta Value Based on Std Sch pipe I.D.
- 1.25" overall thickness
- Orifice plate thickness is 0.125"

### Series TE Orifice Flowmeter – Capacity Structure

- Material PTFE - Gaskets Buna-N
- Based on 70°F, 14.7 psia (base conditions)
- Beta value based on Std Sch pipe I.D.
- 1.25" overall thickness
- Orifice plate thickness is 0.250"

<table>
<thead>
<tr>
<th>PE Model</th>
<th>PE Weight (lb)</th>
<th>PE Weight (kg)</th>
<th>TE Model</th>
<th>TE Weight (oz)</th>
<th>Line Size</th>
<th>Bore</th>
<th>Inch Capacity (TE)</th>
<th>Air Capacity - Flow in SCFM</th>
<th>Inch Flow GPM</th>
<th>at 14.7 psia (0 psig)</th>
<th>at 20 psig</th>
<th>at 100 psig</th>
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</thead>
<tbody>
<tr>
<td>PE-A-1</td>
<td>1.00</td>
<td>0.45</td>
<td>TE-A-1</td>
<td>1.00</td>
<td>1/2&quot;</td>
<td>0.200</td>
<td>0.3</td>
<td>0.5</td>
<td>20</td>
<td>110.00</td>
<td>3.61</td>
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<tr>
<td>PE-A-2</td>
<td>1.00</td>
<td>0.45</td>
<td>TE-A-2</td>
<td>1.00</td>
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<td>0.310</td>
<td>0.5</td>
<td>0.6</td>
<td>100</td>
<td>25.00</td>
<td>7.90</td>
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<tr>
<td>PE-A-3</td>
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<td>0.45</td>
<td>TE-A-3</td>
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<td>200</td>
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<td>7.90</td>
<td>2.50</td>
</tr>
</tbody>
</table>

**Note:** Differential pressure values should be less than 50% of the inlet absolute pressure.

**Flow:**

- Flowmeters, Orifice Plate

**CALL TO ORDER:**

- U.S. Phone 219.879-8000
- U.K. Phone (+44) (0)1494-461707
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