VARIABLE-AREA FLOWMETERS
In-Line Mounting, Gas, Liquids & Oils

The SERIES DTFW & DTFO Variable-Area Flowmeters for Liquids and Oils measure water or oil flow rates with ±2% of full scale accuracy at a competitive price. Available in 1/4”, 1/2” and 1” connections for a wide variety of applications and comes calibrated for horizontal in-line mounting.

The SERIES DTFA Variable-Area Flowmeters for Gases measures gas flow rates with ±5% of full scale accuracy at an affordable price. Available in either 1/4” or 1/2” NPT connections and comes pre-calibrated for horizontal in-line mounting.

FEATURES/BENEFITS
• Durable metal construction ensures great reliability and the strength to withstand system pressures of up to 3000 psig (200 bar).
• Shatter proof construction, unlike glass tube variable area flowmeters, yields long operation life
• Preform precisely in high temperature, high vibration, shock-prone environments

APPLICATIONS
• Monitoring pressure drop across filters or strainers
• Flow scale based on differential pressure
• Liquid level given pressure differential between bottom and top of tank
• Hydraulic equipment
• Oil & gas equipment
• Heat exchangers
• Backflow prevention

SPECIFICATIONS
Wetted Materials: Body: 316 SS, brass or aluminum; Spring: 302 SS or PTFE-coated; Range spring: 302 SS; Magnet: PTFE-coated; Metering cone: Acetal or PTFE; Seals: Buna.
Temperature Limits: -40 to 200°F (-40 to 93°C).
Pressure Limit: DTFW-3S: 1500 psig (100 bar); All other DTFW models: 3000 psig (200 bar); DTFO-1B and DTFO-2B: 3000 psig (200 bar); DTFA-3S: 1500 psig (100 bar); DTFA: 3000 psig (200 bar).
Weight: DTFW-2B and 2S: 3 lb (1.36 kg); DTFA-2A: 3 lb (1.36 kg); DTFO-1B and DTFO-2B: 3 lb (1.36 kg); DTFW-1B and 1S: 3 lb (1.36 kg); DTFA-2A: 3 lb (1.36 kg); DTFA-1A: 3 lb (1.36 kg); DTFA-2A: 2 lb (2.27 kg).
Accuracy: Liquid/oil calibration: ±2% FS; Air calibration: ±5% FS. Repeatability: ±1% FS.
Size: Diameter dial face 2.5” (63.5 mm).
Process Connection: See model chart.

MODEL CHART

<table>
<thead>
<tr>
<th>Model</th>
<th>Range, SCFM</th>
<th>Body</th>
<th>Connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>DTFA-1A-10A</td>
<td>1.5 to 10</td>
<td>Acetal</td>
<td>1/4” NPT</td>
</tr>
<tr>
<td>DTFA-1A-15A</td>
<td>2.0 to 15</td>
<td>Acetal</td>
<td>1/4” NPT</td>
</tr>
<tr>
<td>DTFA-1A-20A</td>
<td>3.0 to 20</td>
<td>Acetal</td>
<td>1/4” NPT</td>
</tr>
<tr>
<td>DTFA-1A-25A</td>
<td>3.0 to 25</td>
<td>Acetal</td>
<td>1/4” NPT</td>
</tr>
<tr>
<td>DTFA-1A-30A</td>
<td>3.0 to 30</td>
<td>Acetal</td>
<td>1/4” NPT</td>
</tr>
<tr>
<td>DTFA-1A-40A</td>
<td>4.0 to 40</td>
<td>Acetal</td>
<td>1/4” NPT</td>
</tr>
<tr>
<td>DTFA-2A-50A</td>
<td>4.0 to 50</td>
<td>Acetal</td>
<td>1/4” NPT</td>
</tr>
<tr>
<td>DTFA-2A-75A</td>
<td>5.0 to 75</td>
<td>Acetal</td>
<td>1/2” NPT</td>
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<tr>
<td>DTFA-2A-100A</td>
<td>10.0 to 100</td>
<td>Acetal</td>
<td>1/2” NPT</td>
</tr>
</tbody>
</table>

Note: For oil compatible models, change all W’s to O’s in model number. Example: DTFO-1B-1O
Note: Not available in 1/4” or 1/2” SS.

USA: California Proposition 65
\*WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov