WEATHERPROOF DIAPHRAGM OPERATED PRESSURE SWITCH
Visible Set point, Fixed Deadband, Pressure Ranges to 1400 psi

With extremely rugged construction the Series 1000W Weatherproof Diaphragm Operated Pressure Switch provides excellent reliability in chemical, petroleum and industrial plants. Bellville spring movement permits mounting of control in any position and helps prevent contact chatter. New design also provides high over-pressure protection. Weatherproof housing is standard.

FEATURES/BENEFITS
• Weatherproof housing is ideal for a wide variety of applications where dust or water is present
• Spring movement design provides for control in any mounting position and prevents contact chatter reducing false or inconsistent switching

APPLICATIONS
• Chemical, petroleum, food and drug processing industries
• Process and Industrial applications

SPECIFICATIONS
Wetted Materials: See pressure chamber and diaphragm material in model chart.
Temperature Limits: -30 to 170°F (-35 to 77°C).
Pressure Limit: 3000 psig (206.8 bar).
Switch Type: SPDT snap switch.
Electrical Rating: 15 A @ 125/250 VAC resistive.

MODEL CHART

<table>
<thead>
<tr>
<th>Aluminum Pressure Chamber</th>
<th>Polyamide Diaph. Model</th>
<th>Price</th>
<th>316 SS Pressure Chamber</th>
<th>FEP Diaph. Model</th>
<th>Price</th>
<th>Adjustable Operating Range psig (bar)</th>
<th>Approx.* Deadband (Fixed) psig (bar)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1003W-A1-D</td>
<td>1003W-B3-D</td>
<td>$482.00</td>
<td>1003E-B3-J</td>
<td></td>
<td>$528.50</td>
<td>5 to 40 (.48 to 2.8)</td>
<td>2.5 (.17)</td>
</tr>
<tr>
<td>1004E-A1-J</td>
<td>1004E-B3-J</td>
<td></td>
<td>1005E-B3-J</td>
<td></td>
<td>$528.50</td>
<td>10 to 70 (.69 to 4.8)</td>
<td>5 (.34)</td>
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<td>1005E-B3-J</td>
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<td>$528.50</td>
<td>25 to 200 (1.7 to 13.8)</td>
<td>10 (.69)</td>
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<td>1006E-A1-J</td>
<td>1006E-B3-J</td>
<td></td>
<td>1007E-B3-J</td>
<td></td>
<td>$528.50</td>
<td>50 to 350 (3.5 to 24.1)</td>
<td>15 (1.0)</td>
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<td>$528.50</td>
<td>75 to 550 (5.2 to 37.9)</td>
<td>30 (2.1)</td>
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<td>1008E-A1-J</td>
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*Deadband 10-15% larger when using 316 SS diaphragm.
Note: To order, change A1 to B2 for 316 SS diaphragm and pressure chamber.
Example: 1003E-B2-J. Values shown are for mid-scale.

SERIES 1000E | MERCOID® BY DWYER
EXPLOSION-PROOF DIAPHRAGM OPERATED PRESSURE SWITCH
Visible Set point, Fixed Deadband, Pressure Ranges to 1400 psi

The Series 1000E Explosion-Proof Diaphragm Operated Pressure Switch has the same rugged construction as used in Series 1000W plus explosion-proof design are combined in this new unit. UL listed for Class I, Groups A, B, C & D; Class II, Groups E, F & G. Bellville spring movement permits mounting of control in any position and helps prevent contact chatter. High over-pressure protection and vibration resistance are also featured.

FEATURES/BENEFITS
• Weatherproof housing is ideal for a wide variety of applications where dust or water is present
• Spring movement design provides for control in any mounting position and prevents contact chatter reducing false or inconsistent switching
• UL listed to support rigorous process applications and regulations

APPLICATIONS
• Chemical, petroleum, food and drug processing industries
• Process and Industrial applications

SPECIFICATIONS
Wetted Materials: See pressure chamber and diaphragm material in model chart.
Temperature Limits: -30 to 170°F (-35 to 77°C).
Pressure Limit: 3000 psig (206.8 bar).
Enclosure Rating: Explosion-proof, UL listed for Class I, Groups A, B, C and D; Class II, Groups E, F, and G.
Switch Type: SPDT snap switch.
Hermetically sealed optional.
Electrical Rating: 15 A @ 125/250 VAC resistive.

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