

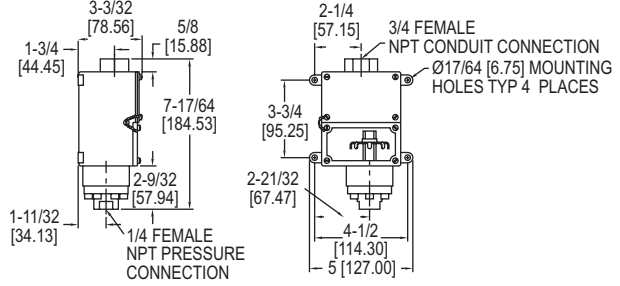


SERIES 1000W | MERCROID® BY DWYER



WEATHERPROOF DIAPHRAGM OPERATED PRESSURE SWITCHES

Visible Setpoint, Fixed Deadband, Pressure Ranges to 1400 psi



With extremely rugged construction the **SERIES 1000W** 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).
Enclosure Rating: Weatherproof, meets NEMA 4X (IP66).
Switch Type: SPDT snap switch.
Electrical Rating: 15 A @ 125/250 VAC resistive.

Electrical Connections: Screw type.
Conduit Connection: 3/4" female NPT.
Process Connection: 1/4" female NPT.
Mounting Orientation: Any position.
Set Point Adjustment: Internal thumbwheel.
Weight: 3 lb (1.4 kg).
Deadband: See model chart.
Agency Approvals: CE, UL.

MODEL CHART

| Aluminum Pressure Chamber Polyamide Diaph. Model | 316 SS Pressure Chamber FEP Diaph. Model | Adjustable Operating Range psig (bar) | Approx.* Deadband (Fixed) psig (bar) |
|---|---|--|---|
| 1003W-A1-D | 1003W-B3-D | 5 to 40 (.48 to 2.8) | 2 (.14) |
| 1004W-A1-D | 1004W-B3-D | 10 to 70 (.69 to 4.8) | 4 (.28) |
| 1005W-A1-D | 1005W-B3-D | 25 to 200 (1.7 to 13.8) | 8 (.55) |
| 1006W-A1-D | 1006W-B3-D | 50 to 350 (3.5 to 24.1) | 15 (1.0) |
| 1007W-A1-D | 1007W-B3-D | 75 to 550 (5.2 to 37.9) | 30 (2.1) |
| 1008W-A1-D | 1008W-B3-D | 100 to 900 (6.9 to 62.1) | 50 (3.5) |
| 1009W-A1-D | 1009W-B3-D | 200 to 1400 (13.8 to 96.5) | 75 (5.2) |

*Deadband 10-15% larger when using 316 SS diaphragm.

Note: To order, change A1 to B2 for 316 SS diaphragm and pressure chamber.

Example: 1003W-B2-D. Values shown are for mid-scale.

PRESSURE