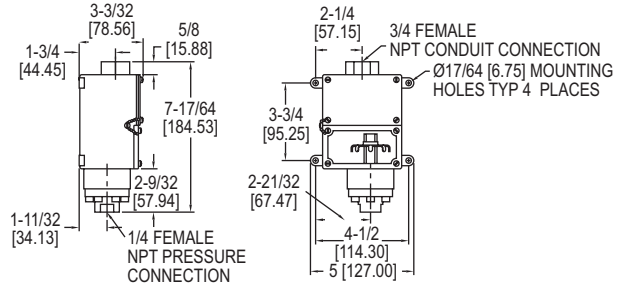




SERIES 1000W | MERCOID® BY DWYER

# WEATHERPROOF DIAPHRAGM OPERATED PRESSURE SWITCH

Visible Setpoint, 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).  
**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