

Marine Service Pressure Switches

316 S.S. Externals • Explosionproof



General Description

These pressure switches are specially engineered for the harsh environment of offshore applications. They are highly reliable and ideally suited for use on platform panelboards, oil/gas wellheads and emergency shutdown systems.

Specifications

Standard Enclosure: 316 Stainless Steel, Explosionproof, Types 4X and 7, Class I, Div. 1, Group "D"

Nominal Ambient Temperature Range: -4°F to 140°F (-20°C to 65°C)

Fluid Temperature Range: -4°F to 200°F (-20°C to 94°C)

Switch Parts in Contact with Fluid:
Body — 316 Stainless Steel, conforms to NACE MR-01-75
Seals — FPM
Diaphragm — FPM

Fluid Handled: Natural Gas

Features

- Rated Overrange Pressure: 250 psi
- Minimum Burst Pressure: 5000 psi
- Deadband: Factory set
- 72" continuous leads, connection anywhere in panel
- Environmentally sealed against dust, water, oil and salt spray as per ASTM B117 for offshore equipment. Sealing integrity is from -40°F to 250°F
- Snap Switch Electrical Rating
 - 24 VDC — 5 amps resistance
 - 28 VDC — 3 amps resistance
 - 125 VAC — 10 amps resistance
 - 250 VAC — 5 amps resistance
- Vented construction for stable set points throughout operating range
- Vibration and shock resistant to 10 Gs
- Precision SPDT electrical switch, 1/4" NPT internal process connection



Approvals Pending:



Wire Color Coding	
Normally Closed	Red
Normally Open	Blue
Common	Brown
Ground	Green

Specifications

Decreasing Pressure (psi)	Increasing Pressure (psi)	Set Point Tolerance (psi)	Catalog Number
50	-	± 5	JB93A423CD50
15	-	± 2	JB93A423CD15
-	10	± 1.5	JB93A423CI10
85	-	± 8.5	JB93A423CD85

