

Diaphragm Seals > Assembled Seals > M93X.D1

Type M93X.D1

Type M93X.D1 all-welded systems are a drop-in retrofit for existing gauges. This assembly eliminates all potential leak paths and has a tamper-resistant construction. The all-welded system is ideal for installations where tightly controlled fugitive emissions and safety are a concern. The M93X.D1 is well-suited for applications in the chemical, petrochemical and process industries.



Standard Features

Design: This all-welded gauge assembly is constructed using WIKA gauge type number 23X.34 and diaphragm seal type number 990.34. The diaphragm is recessed within the all-welded seal body. The pressure gauge is back-welded to the seal upper housing to eliminate another potential leak path. The threaded seal fill port has been removed to ensure a tamper resistant design. Additional process wetted materials, process connections, system fill fluids and accessories are available to meet the rigorous demands of most applications.

Pressure Rating, Maximum: 1,500 psi and 5,000 psi

Suitable Pressure Ranges: -30" Hg to 0 psi up to 5,000 psi

Operating Temperature: 0 to 300°F (-18°C to 149°C)

Ambient Temperature: -40°F to 150°F (-40°C to 66°C)

Gauge Features

Dial Size: 4½" process gauge

Process Connection: ¼" NPT & ½" NPT male or female

Process Wetted Materials: 316L SS

Case Material: Fiberglass reinforced thermoplastic

Window: Acrylic

Dial: Aluminum, white

Pointer: Black aluminum

Accuracy: ±0.5% of span

System Fill Fluid: Silicone oil, DC200-10cst.

Available Options

- Cooling element
- Severe pressure pulsation protection
- Other system fill fluids
- Additional process connections
- Window materials
- Stainless steel gauges (i.e. 23X.54)

