

Sanitary Gauge Assembly for Pharmaceutical and Biotech Industries

This series of sanitary gauges are designed and manufactured to meet the stringent requirements of the pharmaceutical and biotech industries. This assembly has all the advantages of the 23X.50 series mechanical gauge combined with a superior designed sanitary diaphragm seal. All external stainless steel surfaces are electropolished and the wetted components have full material identification and traceability. The diaphragm and its body have matching convolution patterns to greatly reduce potential diaphragm damage due to mishandling and to minimize temperature effects

Standard Features

- **Gauge Nominal Size:** 2½" or 4" – Lower and Back Mount
- **Process Connection:** 1½" to 4" Tri-Clamp® ('3A' third party compliant)
- **Pressure Range:** Vacuum and 0 to 15psi up to 0 to 1000 psi, includes compound ranges (maximum working pressure is limited by installation clamp rating). Clamp provided by others.
- **Operating Temperature:** Ambient: +25°F to +140°F (-4°C to +60°C) – dry or glycerine filled case. Process: +25°F to +300°F (-4°C to +149°C) Autoclave: 300°F for one hour (Polysulfone window and dry case with weep holes)
- **Accuracy:** 2½" - ±2/1/2 % of span; 4": - ±1.0% of span
- **Temperature Effects:** 0.06 psi maximum per every 10°F process and ambient temperature change
- **System Fill:** Glycerine, KN 7- Non-vacuum application; Mineral Oil, KN 92- Vacuum application;
- **Wetted Material:** 316L stainless steel electropolished;
- **Pointer:** Black aluminum, micro-adjustable, designed for zero adjustment in field.



WIKKA Type M93X.3A Sanitary Gauge

- **Bourdon Tube & Movement:** 316L stainless steel bourdon tube and stainless steel movement
- **Weather Protection:** Weather tight to NEMA 4X/IP65 (without optional autoclave weep holes)
- **Case Material:** 304 stainless steel electropolished case with vent plug and stainless steel electropolished twist lock removable bayonet ring.
- **Documentation:** Calibration Conformance Report supplied with each assembly (not a direct substitute for NIST certificate). Material Conformance documents supplied with each assembly (not a substitute for 3.1b material certificate)

See Datasheet **M93X.3A** for additional information