



Product Information - EK

LIFE SCIENCES

"EK" Mini Sanitary Pressure Gauge

Introduction

Anderson-Negele is pleased to announce the latest addition to our extensive line of pressure measurement products, the "Mini" gauge! This gauge has been developed to address the growing number of Life Sciences applications that require a smaller gauge dial and a fractional sanitary fitting. This new product meets both criteria with its low profile 2.5" (63mm) case and standard 3/4" Tri-Clamp® fitting.

The gauge is designed for use at process temperatures up to 140°C(284°F) and to withstand repeated in-line sterilization at up to 149°C(300°F). Our new back access re-zero adjustment is a standard feature on all models.

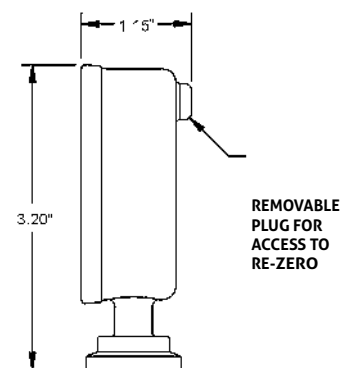
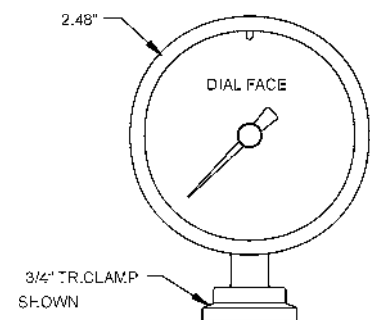
When ordered with the Anderson CPM fitting, the gauge is autoclaveable at 149°C(300°F) for one hour.

The "Mini" gauge is also the only sanitary gauge available with a true one-inch tri-clamp fitting, eliminating the long standing problem of instrumenting one-inch lines. This unique fitting will accept a one-inch gasket without impinging on the diaphragm.

Complete specifications and ordering information are available on the reverse. For more information please visit our Web Site at www.anderson-negele.com, or contact your local Authorized Anderson-Negele Distributor.

Features

- The only sanitary gauge that mates directly on 3/4" and 1" lines
- Autoclaveable w/Standard CPM fitting
- Lowest profile of any "mini" gauge
- Minimal temperature effect
- Re-zero feature is standard



Specifications

TYPICAL PERFORMANCE

Over-Range Capability: At least 25% of full scale

Accuracy: $\pm 1.5\%$ F.S. from 10-90% of scale
(pressure ranges)
 $\pm 1.5\%$ F.S. from 10-90% of pressure
range, $\pm 2.0''$ Hg from 0-25'' Hg
(compound ranges)

Repeatability: $\pm .50\%$ of full scale

Linearity: $\pm .50\%$ of full scale

Hysteresis: $\pm .50\%$ of full scale

Stability: Within specified accuracy for 6 months
under normal operating conditions

Process Temperature Limits:
-3° to 140°C (25° to 284°F)

Ambient Temperature Limits:
4° to 49°C (40° to 120°F)

In-line Steam Sterilization Limits:
149°C (Up to 300°F) for 1 hour

Temperature Effect: Less than 0.5 psi per 5.5°C (10°F)
change in process or ambient
temperature

Autoclave Temperature Limit:
149°C (300°F) for 1 hour
(CPM fitting and unfilled case only)

CONSTRUCTION/FINISH

Diaphragm and Fitting: Welded 316 "L" grade stainless
steel, electropolished to max. Ra 8
micro-inches (0.2 microns)

Bourdon Tube/Socket: 304 stainless steel, welded

Movement: Stainless steel

Case/Bezel: 304 stainless steel, satin finish to
Ra max = 32 micro-inches

Lens/Crystal: Polysulfone

Actuating Fill: 100% mineral oil. Meets FDA requirements
(21CFR, 172.878 and 178.3620(a))

Optional Case Fill: 100% USP grade Glycerin

Standards: Designed and manufactured to sound
engineering practices in accordance with
Article 3.3 of the PED 97/23/EC
CSA B51-03

Environmental Rating: NEMA 4X-IP66

DIMENSIONS

Case Diameter: 2.48" (63mm)
Overall Height: 3.20" (81mm)
Case Depth: 1.15" (31 mm)

Order Information

