"EM" 90mm Sanitary Pressure Gauge

**Introduction**

The best just got better! With our re-designed 90mm sanitary pressure gauge, Anderson-Negele has raised the bar relative to performance, reliability, and ease of use.

Customers in the Life Sciences market will recognize at a glance that we’ve maintained all our unique features like all-welded construction, electro-polished wetted parts, and standard calibration certifications. They’ll also appreciate the new, compact profile that fits virtually anywhere while still maximizing readability. But what really sets this gauge apart is the new offset adjustment that comes as a standard feature on every Life Science series gauge. Rear-mounted and unobtrusive, we even provide a special tool for the optional span adjustment so it’s tamper-proof.

Complete specifications and ordering information are available on the reverse. For more information contact our Customer Service Department at 1-800-833-0081, or visit our website at www.anderson-negele.com.

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**Features**

- The industry’s only externally adjustable span and offset
- Designed specifically for SIP and autoclave applications
- Lowest/most narrow profile of any sanitary gauge
- Custom laser etched markings available
- Available clean for oxygen service

**Applications**

- Fermentation
- Filtration
- All sanitary pressure dependent processes
TYPICAL PERFORMANCE

Over-Range Capability: At least 25% over range
Calibrated Accuracy: ± .75% from 10-90% of range
Repeatability: ± 2.5% of full scale
Linearity: ± 2.5% of full scale
Hysteresis: ± 2.5% of full scale
Stability: Within specified accuracy for 6 months under normal operating conditions.

Process Temperature Limits: -20°F to 300°F (-29°C to 149°C)
Ambient Temperature Limit: 40° to 120°F (4° to 49°C)
Storage Temperature Limits: -22°F to 195°F (-30°C to 91°C)

Materials:
- Bourdon Tube/Socket: Bronze bourdon/brass socket with silver soldered (Diaphragm and fitting): Welded 316L stainless steel, electropolished.
- Lens/Dial Plate: Corrosion resistant polysulfone able to withstand UV stabilized diaphragm.
- Dial: Adhesive-backed printed Mylar in various scales, 90mm diameter min.
- Case/Stem: Welded 304 stainless steel (polished).
- Movement Mechanism: Brass.
- Construction: Connections.

Dimensions:
- Viewing Angle: 100 degrees minimum.
- Clean for Oxygen Service: Optional, product contact surfaces prepared per Compressed Gas Association G4.1
- Operational: Actuating Fill: 100% mineral oil. Meets FDA requirements (21CFR, 172.878 and 178.3620(a)) Neobee-20, 80/20 glycerine/H2O optional. Optional, glycerine 100% USP Food Grade.
- Case Fill: Mechanical Dampering:
- Re-Zero Adjustment: Tamper resistant adjustment, +/-5% of span. Non interactive with span. External adjustment integrally located on back of case.
- Re-Span Adjustment: Externally accessible with tool (AIC #4523800000) through rear of case. Adjustment up to +/-5% of span.
- Standards: Designed and manufactured to sound engineering practices in accordance with Article 3.3 of the PED 97/23/EC.
- Designed and tested in accordance with ASME B40.100.
- NEMA 4X, IP-66
- CSA B51-03, CRN# CSA0F9754.5C
- CGA G4.1 (OPTIONAL)

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