Product Information - EM

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"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.



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

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Specifications

TYPICAL PERFORMANCE Over-Range Capability: Calibrated Accuracy:

Linearity: Hysteresis: Stability:

Process Temperature Limits:

Ambient Temperature

Limits: **CIP Temperature Limit:** SIP Temperature Limit:

Autoclave Temperature Limit: Temperature Effect:

Storage Temperature

Limits:

* Vented Case

CONSTRUCTION/FINISH All Product Contact Surface

(Diaphragm and fitting):

Bourdon Tube/Socket

Construction: Movement Mechanism:

Case/Stem:

Dial:

Lens/Dial Plate

Optional lens:

Bezel:

Repeatability:

At least 25% over range ± .75% F.S. from 10-90% of range ±.25% of full scale ±.25% of full scale

±.25% of full scale Within specified accuracy for 6 months under normal operating conditions.

-20° to 300°F (-29° to 149°C) option to 330°F (166°C)

40° to 120°F (4° to 49°C) 250°F (121°C) continuous 300°F (149°C) continuous

300°F (149°C) for one hour (unfilled case only) Less than 0.06 psi per 10°F change in process or ambient temperature

-22°F to 195°F (-30°C to 91°C) -22°F to 250°F (-30°C to 121°C)*

Welded 316L stainless steel, electropolished.

Maximum Ra= 8 microinches (.2 microns). Bronze bourdon/brass socket with silver soldered

Welded 304 stainless steel (polished).

Adhesive-backed printed Mylar in various scales, 90mm diameter min.

Corrosion resistant polysulfone able to withstand

UV Stabilized polycarbonate (not suitable for

autoclave)

304 stainless steel, polished, compression formed

to case (non-removable).

Viewing Angle: Clean for Oxygen Service:

OPERATIONAL Actuating Fill:

Case Fill: Mechanical Dampening:

Re-Zero Adjustment:

Re-Span Adjustment:

Standards:

DIMENSIONS

100 degrees minimum.

Optional, product contact surfaces prepared per Compressed Gas Association G4.1

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.

Optional. Standard and case filled gauges dampened to 25% to 50%. Mechanical dampening dampens 50% to 80% of pressure variations. Tamper resistant adjustment, +/-5% of span. Non interactive with span. External

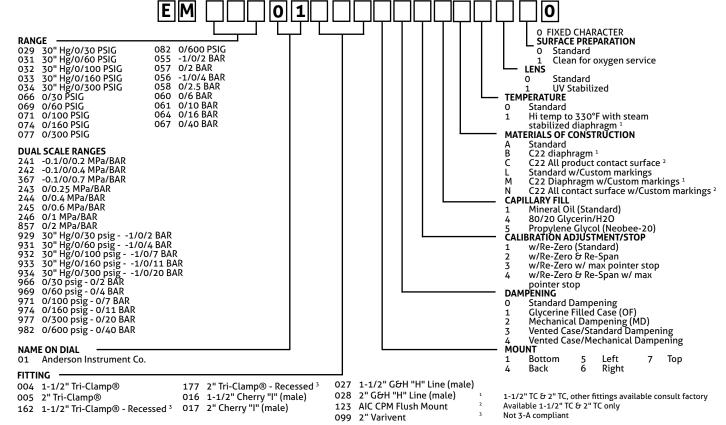
adjustment integrally located on back of case. Externally accessible with tool (AIC #4523800000) through rear of case. Adjustment up to +/-5% of

Designed and manufactured to sound engineering practices in accordance with Article 3.3 of the PED

Designed and tested in accordance with ASME B40.100.

NEMA 4X, IP-66 CSA B51-03 CGA G4.1 (OPTIONAL)

Order Information



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