

FLOW
LEVEL
PRESSURE
ANALYTICAL
TEMPERATURE
INSTRUMENTATION
PASTEURIZATION CONTROLS

"EL" Extended Life 3-1/2" (90mm) Pressure Gauge

- Stainless steel, all-welded design for corrosion, shock and vibration resistance
- Mechanical dampening or traditional case-fill for high pulsation/vibration applications
- Unique case/bezel design yields low, narrrow profile, and optimum crystal protection
- 3-A compliant; Third party verified in accordance with standard 74-03

Anderson's "EL" Gauge was designed with one criteria in mind - reliability. Sanitary pressure gauges are subjected to repeated process and environmental abuse in the form of vibration, pulsation, harsh cleaning chemicals, wide temperature and humidity swings. We've designed this product from the ground up to be the toughest, most reliable gauge for any sanitary application up to 1,000 psig. With over 30 years of experience building

and repairing hundreds

of thousands of gauges

from a dozen different

suppliers, we've identified and addressed all these key causes of premature failure in food, dairy, and beverage processing applications.

What's more, the "EL" has undergone the most extensive reliability tests of any Anderson product, both in the field on customer's toughest applications, and in accelerated tests that equate to years of constant pressure, temperature, and cleaning cycles.

And because we designed it from the ground up, we targeted and achieved a new benchmark for size,

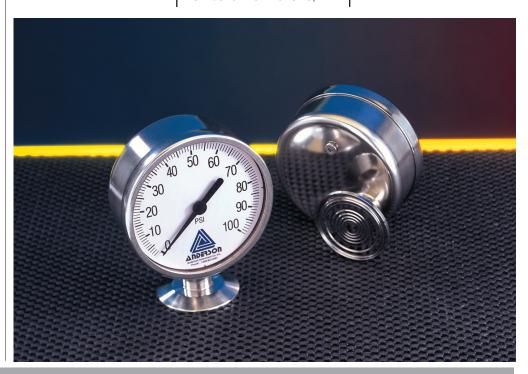
producing the lowest, narrowest profile in the industry, with no sacrifice in readability or performance.

The "EL" will fit in your tightest application, and last in your toughest. Our standard 2-3 day delivery will insure you can get it when you need it.

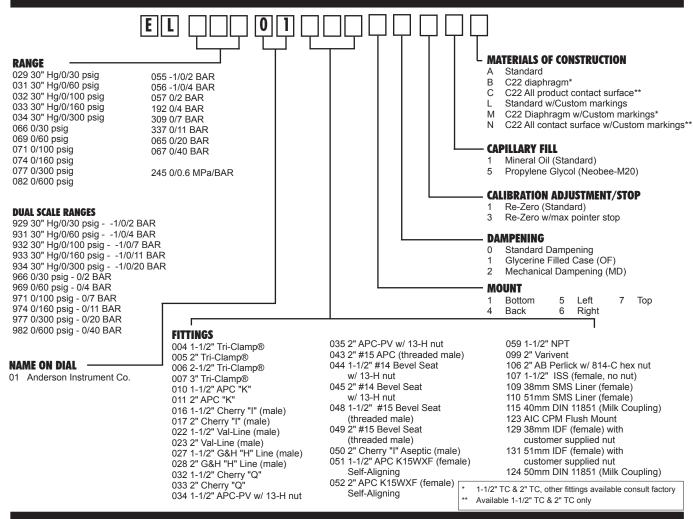
Detailed specifications and ordering information can be found on the reverse, or by visiting our website at www.andinst.com.

APPLICATIONS

- Pasteurization
- Process Lines
- Filtration
- All Sanitary Pressure Dependent Processes



Complete Product Ordering Matrix



Specifications

Typical Performance

Over-Range Capability: Calibrated Accuracy: Repeatability: Linearity: Hysteresis: Stability:

Process Temperature Limits: Ambient Temperature Limits: CIP Temperature Limit:

SIP Temperature Limit: Temperature Effect:

at least 25% over range

± 1.5% F.S. from 10-90% of range

± .5% of full scale ± .5% of full scale ± .5% of full scale

Within specified accuracy for 6 months under normal operating conditions 25° to 250°F (-3° to 121°C) 40° to 120°F (4° to 49°C) 250°F (121°C) continuous 300°F (149°C) for one hour Less than .16% per 10°F change in process or ambient temperature

-22°F to 195°F (-30°C to 91°C) Storage Temperature Limits:

Construction/Finish

Bourdon Tube/Socket

All Product Contact Surface (Diaphragm and fitting):

Welded 316 "L" grade stainless steel, polished

Max. R_a=25 microinches Bronze bourdon/brass socket with silver soldered

connections Construction:

Movement Mechanism:

Welded 304 stainless steel (polished) Case/Stem

Adhesive-backed printed Mylar in various scales, Dial:

90mm diameter minimum

Lens/Dial Plate: Corrosion resistant polysulfone, able to withstand

325° Fahrenheit

304 stainless steel, polished, Bezel: compression formed to case (non-removable)

Viewing Angle: 100 degrees minimum

Operational

Actuating Fill: 100% mineral oil. Meets FDA requirements

(21 CFR, 172.878 and 178.3620(a))

Neobee-20 optional Optional, glycerine 100% USP Food Grade

Case Fill:

Mechanical Dampening:

Optional. Standard and case filled gauges dampened 25% to 50%. Mechanical dampening dampens 50% to 80% of pressure variations

Tamper resistant adjustment, ±5% of Re-zero Adjustment:

span. Non interactive with span. External adjustment located on back of case.

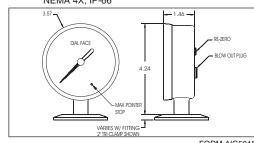
Conforms with 3-A Sanitary Standards (74-02) Standards: Designed and manufactured to sound engineering

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

Dimensions:



FORM AIC5015 © October 2003 Revised: September 2010 Supersedes: December 2007