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*

APPLICATIONS

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

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.

ANDERSON INSTRUMENT CO., INC • 156 AURIESVILLE RD. • FULTONVILLE, NY 12072 • USA • 800-833-0081 • FAX 518-922-8997
ANDERSON INSTRUMENT CO. LP • 400 BRITANNIA RD. EAST, UNIT 1 • MISSISSAUGA, ONTARIO L4Z 1X9 • CANADA • 905-603-4358 • FAX 905-568-1652
NEGELE MESSTECHNIK GmbH • RAIFFEISENWEG 7 • D-87743 EGG A. D. GÜNZ • GERMANY • +49 (0) 8333/9204-0 • FAX +49 (0) 8333/9204-49

Complete Product Ordering Matrix

E L □□□ 0 1 □□□ □□□□□□□□ 0

0 FIXED CHARACTER

SURFACE PREPARATION
- 0 Standard
- 1 Clean for oxygen service

LENS
- 0 Standard
- 1 UV Stabilized

TEMPERATURE
- 0 Standard
- 1 Hi temp to 330°F with steam stabilized diaphragm [1]

MATERIALS OF CONSTRUCTION
- A Standard
- B C22 diaphragm [1]
- L Standard w/Custom markings
- M C22 Diaphragm w/Custom markings [1]

CAPILLARY FILL
- 1 Mineral Oil (Standard)
- 5 Propylene Glycol (Neobee-M20)

CALIBRATION ADJUSTMENT/STOP
- 1 Re-Zero (Standard)
- 3 Re-Zero w/max pointer stop

DAMPENING
- 0 Standard Dampening
- 1 Glycerine Filled Case (OF)
- 2 Mechanical Dampening (MD)

MOUNT
- 1 Bottom
- 4 Back
- 5 Left
- 6 Right
- 7 Top

RANGE

029 30" Hg/0/30 psig
031 30" Hg/0/60 psig
032 30" Hg/0/100 psig
033 30" Hg/0/160 psig
034 30" Hg/0/300 psig
066 0/30 psig
069 0/60 psig
071 0/100 psig
074 0/160 psig
077 0/300 psig
082 0/600 psig

055 -1/0/2 BAR
056 -1/0/4 BAR
057 0/2 BAR
192 0/4 BAR
309 0/7 BAR
337 0/11 BAR
065 0/20 BAR
067 0/40 BAR

245 0/0.6 MPa/BAR

DUAL SCALE RANGES

929 30" Hg/0/30 psig - -1/0/2 BAR
931 30" Hg/0/60 psig - -1/0/4 BAR
932 30" Hg/0/100 psig - -1/0/7 BAR
933 30" Hg/0/160 psig - -1/0/11 BAR
934 30" Hg/0/300 psig - -1/0/20 BAR
966 0/30 psig - 0/2 BAR
969 0/60 psig - 0/4 BAR
971 0/100 psig - 0/7 BAR
974 0/160 psig - 0/11 BAR
977 0/300 psig - 0/20 BAR
982 0/600 psig - 0/40 BAR

NAME ON DIAL

01 Anderson Instrument Co.

FITTINGS

004 1-1/2" Tri-Clamp®
005 2" Tri-Clamp®
162 1-1/2" Tri-Clamp® - Recessed [2]
177 2" Tri-Clamp® - Recessed [2]
006 2-1/2" Tri-Clamp®
007 3" Tri-Clamp®
010 1-1/2" APC "K"
011 2" APC "K"
016 1-1/2" Cherry "I" (male)
017 2" Cherry "I" (male)
022 1-1/2" Val-Line (male)
023 2" Val-Line (male)
027 1-1/2" G&H "H" Line (male)
028 2" G&H "H" Line (male)
032 1-1/2" Cherry "Q"
033 2" Cherry "Q"
034 1-1/2" APC-PV w/ 13-H nut
035 2" APC-PV w/ 13-H nut
043 2" #15 APC (threaded male)
044 1-1/2" #14 Bevel Seat w/ 13-H nut
045 2" #14 Bevel Seat w/ 13-H nut
048 1-1/2" #15 Bevel Seat (threaded male)
049 2" #15 Bevel Seat (threaded male)
050 2" Cherry "I" Aseptic (male)
051 1-1/2" APC K15WXF (female) Self-Aligning
052 2" APC K15WXF (female) Self-Aligning
059 1-1/2" NPT [2]
099 2" Varivent
106 2" AB Perlick w/ 814-C hex nut [2]
107 1-1/2" ISS (female, no nut)
109 38mm SMS Liner (female) [2]
110 51mm SMS Liner (female) [2]
115 40mm DIN 11851 (Milk Coupling) [2]
123 AIC CPM Flush Mount
129 38mm IDF (female) with customer supplied nut [2]
131 51mm IDF (female) with customer supplied nut [2]
124 50mm DIN 11851 (Milk Coupling) [2]

[1] 1-1/2" TC & 2" TC, other fittings available consult factory

[2] Not 3-A Compliant

Specifications

Typical Performance

Over-Range Capability:	at least 25% over range
Calibrated Accuracy:	± 1.5% F.S. from 10-90% of range
Repeatability:	± .5% of full scale
Linearity:	± .5% of full scale
Hysteresis:	± .5% of full scale
Stability:	Within specified accuracy for 6 months under normal operating conditions
Process Temperature Limits:	-20° to 300°F (-29° to 149°C) option to 330°F (166°C)
Ambient Temperature Limits:	40° to 120°F (4° to 49°C)
CIP Temperature Limit:	250°F (121°C) continuous
SIP Temperature Limit:	300°F (149°C) continuous
Temperature Effect:	Less than 0.06 psi per 10°F change in process or ambient temperature
Storage Temperature Limits:	-22°F to 195°F (-30°C to 91°C)

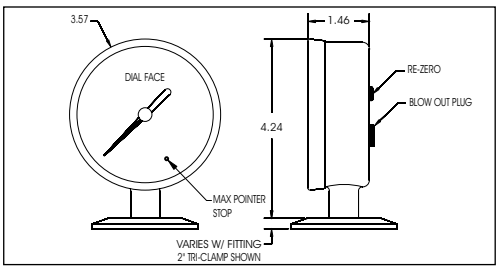
Construction/Finish

All Product Contact Surface (Diaphragm and fitting):	Welded 316 "L" grade stainless steel, polished Max. R_a=25 microinches
Bourdon Tube/Socket Construction:	Bronze bourdon/brass socket with silver soldered connections
Movement Mechanism:	Brass
Case/Stem	Welded 304 stainless steel (polished)
Dial:	Adhesive-backed printed Mylar in various scales, 90mm diameter minimum
Lens/Dial Plate:	Corrosion resistant polysulfone, able to withstand 325° Fahrenheit
Optional lens:	UV Stabilized polycarbonate (not suitable for autoclave)
Bezel:	304 stainless steel, polished, compression formed to case (non-removable)
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 (21 CFR, 172.878 and 178.3620(a)) Neobee-20 optional
Case Fill:	Optional, glycerine 100% USP Food Grade
Mechanical Dampening:	Optional. Standard and case filled gauges dampened 25% to 50%. Mechanical dampening dampens 50% to 80% of pressure variations
Re-zero Adjustment:	Tamper resistant adjustment, ±5% of span. Non interactive with span. External adjustment located on back of case.
Standards:	3-A compliant, third party verified 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 CGA G4.1 (optional)

Dimensions:



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