

## **Product Information - EB**

# LIFE SCIENCES

# "EB" 90mm Sanitary Pressure Gauge

### Introduction

The 90mm Anderson-Negele "Life Science Series" gauge is the standard pressure gauge of choice for applications in the Life Sciences industry. It is designed to meet the most stringent of specifications, including those for accuracy, surface finish, and temperature stability. These gauges are particularly appropriate when the process line or equipment will be steam sterilized. The unfilled version can even be completely autoclaved while on the equipment.

A few of the unique features of this gauge include the electropolished diaphragm and standard re-zero feature, along with a special polysulfone crystal that withstands autoclave temperatures as well as cleaning chemicals that readily etch other lenses. Each gauge is shipped with a certificate of calibration, your assurance that it has been calibrated to the most exacting tolerances.

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

### Features

- Polysulfone crystal remains clear; withstanding autoclave temperatures and harsh chemicals
- Mechanical dampening available for high pulsation/vibration applications
- Suitable for SIP and autoclave applications



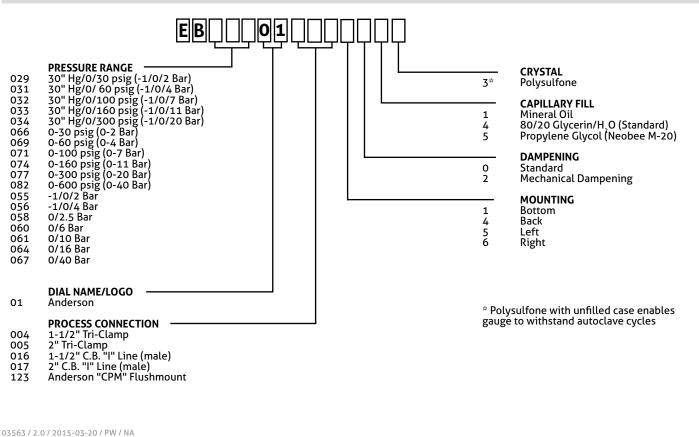


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#### Specifications

PERFORMANCE		CONSTRUCTION/FINISH	
Calibrated Accuracy:	± 0.75% of full scale, from 10%-90% of range (pressure ranges)	All Product Contact Su	rface (Diaphragm and fitting): Welded 316L stainless steel,
	$\pm 0.75\%$ of full scale, from 25" vacuum to		electropolished
	90% of pressure range (compound ranges)		Maximum Ra= 8 microinches (.2 microns)
Repeatability:	± 0.25% of full scale	Case and Stem:	Welded 304 stainless steel polished
Hysteresis:	± 0.25% of full scale	Crystal:	Polysulfone, .080" minimum thickness,
Linearity:	± 0.25% of full scale	,	corrosion resistant
Operating Temperature Limits (process):		Dial:	3.50 inch diameter (90 mm); pressure
۸ h : د T د د	25 to 250°F (-3 to 121°C)	Standards:	sensitive adhesive
Ambient Temperature	40 to 120°F (4 to 49°C)	Standards:	Designed and manufactured to sound
In-line Steam Sterilization Limits:			engineering practices in accordance with Article 3.3 of the PED 97/23/EC
	Up to 300°F (149°C) for 1 hour	Environmental Rating	
Autoclave Sterilization Limits:			
	Up to 300°F (149°C) for 1 hour (unfilled case	OPERATIONAL	
	only)	Capillary (internal) Fil	: 80% glycerine (food grade) / 20% USP
Temperature Effect:	± 0.16% /10°F change in process or ambient		deionized water
	temperature	Re-zero Feature (standard):	
Stability:	Within specified accuracy for 6 months under normal operating conditions.		Tamper-resistant; ± 5% of span, non- interactive with span
	Calibration check recommended at 3 month	Response Characteristics (Typical):	
	intervals for gauges being steam sterilized	·	Unfilled: 40%
	or autoclaved		(Gauge dampens 40% of pulsation)
Over-range Capability: 10% of span		Mechanically Dampened: 95%	

#### **Order Information**



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