



LEVEL
PRESSURE
TEMPERATURE
INSTRUMENTATION
PASTEURIZATION CONTROLS

Anderson Sanitary Pressure Gauges

316L stainless steel wetted surface provides superior, long-term corrosion resistance

Saves time with CIP/SIP capability

Permanently filled and sealed sensing system provides pulsation dampening and long life

Wide variety of sanitary fittings available which are easily matched to existing piping

Meets all applicable 3-A sanitary standards

Operate at process temperatures up to 250°F (121°C)

Ranges between 30" Hg and 15,000 psig

Anderson sanitary pressure gauges are precision instruments designed for use in pressure-dependent processes in which variation of just a few psi can spell the difference between a mediocre product and one of high quality.

Anderson gauges meet every current sanitary standard and are being used by the thousands in food, dairy, beverage and pharmaceutical manufacturing applications worldwide. Details on the following pages describe the

features, specifications, and ordering information for the standard, pharmaceutical, and 5" direct and remote mount versions. The last page provides dimensional information for all styles.



120mm (5 inch) Sanitary Pressure Gauges

If you've ever stood near a working homogenizer, you've experienced the incessant pounding this powerful multi-piston, high-pressure pump can generate.

Anderson 5 inch diameter gauges are built to withstand the continuous pulsations produced by a homogenizer. This is but one of the many sanitary process applications for which this gauge is suited. In fact, anywhere a large, readable and highly-accurate gauge is required, you'll have found another application for the Anderson 5 inch diameter pressure gauge.

The remote-mount model is a logical choice when the process connection is inaccessible or when process-induced vibration can shorten gauge life.

The glycerine case fill, standard with direct mount homogenizer gauges, further dampens pointer flutter while it lubricates the internal mechanism.

When process-line cleanup time arrives, the gauge remains in the process or line for CIP, being subjected to hot caustic cleaning solutions and acid rinses.

Homogenizer pressure indication is the toughest application to which a pressure gauge can be subjected. Anderson 5 inch diameter gauges have proven themselves to be more than equal to this task. There is no doubt that any other application will be handled with ease.

SPECIFICATIONS

PERFORMANCE

Calibrated Accuracy:

- ± 1.0% of full scale, from 10% - 90% of range (pressure ranges)
- ± 1.0% of full scale, from 25" Hg vacuum to 90% of pressure range (compound ranges)

Operating Temperature Limits (process):

25 to 250°F (-3 to 121°C)

Ambient Temperature Limits:

40 to 120°F (4 to 49°C)

CIP Temperature Limits:

250°F (121°C)

Temperature Effect:

- ± 0.16% /10°F change in process or ambient temperature

Stability:

Within specified accuracy for 6 months under normal operating conditions.

Over-range Capability:

10% of span or 1,500 psig (whichever is less)

CONSTRUCTION

Fitting:

Welded 316L stainless steel, polished (better than 240 grit).

Case and Stem:

Welded 304 stainless steel polished (180 grit)

Crystal:

Polycarbonate, .080" minimum thickness, corrosion resistant

Dial:

5 inch diameter (125 mm); pressure sensitive adhesive

OPERATIONAL

Capillary (internal) Fill:

80% glycerine (food grade) / 20% USP de-ionized water (standard)
100% Mineral Oil (food grade) standard for pressure ranges over 600 psig or for remote mount versions.
Neobee-20 (propylene glycol) for brewery applications

Case Fill (optional):

100% glycerin (food grade)

Diaphragm:

316L Stainless Steel*, polished (better than 240 Grit)

* Homogenizer Diaphragm: Hastelloy "C".

120mm Gauge Ordering Information

EE	GAUGE TYPE													ARMOR/LENGTH* (Panel/Wall mount Only)	
EC	Homogenizer													00	None
	Sanitary													01	5' PVC
														02	10' PVC
														03	15' PVC
														04	20' PVC
														05	25' PVC
														06	30' PVC
														07	35' PVC
														08	40' PVC
														09	45' PVC
														10	50' PVC
														11	55' PVC
														12	60' PVC
														21	5' S.S.
														22	10' S.S.
														23	15' S.S.
														24	20' S.S.
														25	25' S.S.
														26	30' S.S.
														27	35' S.S.
														28	40' S.S.
														29	45' S.S.
														30	50' S.S.
														31	55' S.S.
														32	60' S.S.
														* NOTE: Maximum capillary lengths as listed below.	
														<u>Range</u>	<u>Max. Length</u>
														Compound Ranges	Remote Mt.
															Not Available
														0-15,000 psig	5'
														0-10,000 psig	10'
														0-5,000 psig	15'
														0-2,500 psig	20'
														0-1,500 psig	25'
														0-1,000/0-30 psig	30'
														0-60 psig	50'
														All others	60'
														Note:	
														Please add 10 days to standard lead-time for quantity orders on the following fittings:	
														010, 011, 027, 028, 032, 033, 044, 045, 048, 049, and 059	
084	PRESSURE RANGE														
	Available with Homogenizer Fittings Only														
085	0-1,000 psig (0-70 Bar)														
087	0-1,500 psig (0-100 Bar)														
090	0-2,500 psig (0-172 Bar)														
093	0-5,000 psig (0-344 Bar)														
094	0-10,000 psig (0-689 Bar)														
	0-15,000 psig (1-1000 Bar)														
	Not available with Homogenizer														
029	30" Hg/0/30 psig (-1/0/2 Bar)														
031	30" Hg/0/60 psig (-1/0/4 Bar)														
034	30" Hg/0/300 psig (-1/0/20 Bar)														
066	0-30 psig (0-2 Bar)														
069	0-60 psig (0-4 Bar)														
071	0-100 psig (0-7 Bar)														
074	0-160 psig (0-11 Bar)														
077	0-300 psig (0-20 Bar)														
082	0-600 psig (0-40 Bar)														
01	DIAL NAME/LOGO														
	Anderson														
	PROCESS CONNECTIONS														
056	Homogenizer (less flange)														
057	Homogenizer (7/8" flange)														
058	Homogenizer 1 1/8" flange)														
004	1-1/2" Tri-Clamp														
005	2" Tri-Clamp														
010	1-1/2" APC "K" Clamp														
011	2" APC "K" Clamp														
016	1-1/2" Cherry-Burrell I-line (male)														
017	2" Cherry-Burrell I-line (male)														
027	1-1/2" G & H "H" line														
028	2" G & H "H" line														
032	1-1/2" Cherry-Burrell "Q"														
033	2" Cherry-Burrell "Q"														
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														
049	2" #15 Bevel SEat														
059	1-1/2" NPT male (industrial)														
	MOUNTING														
1	Bottom														
2	Panel														
3	Wall														
4	Back														
5	Left														
6	Right														
	CAPILLARY FILL														
1	Mineral Oil (std for homo. fittings)														
4	80/20 Glycerin/H ₂ O (std for non-homo.)														
5	Propylene Glycof (Neobee M-20)														
	CASE FILL														
1	Unfilled														
2	Glycerin Filled (std. on homo. gauges)														

Pressure Gauge Dimensions

120mm (5 inch) Series

