

SANI-FLOW HOMOGENIZER PRESSURE GAUGES



QUALITY PRODUCTS SINCE 1937
www.ChicagoStainless.com

Over 30 years of experience in designing and building Sanitary Pressure Gauges led us into engineering an exceptional gauge specifically for Homogenizer applications. The Sani-Flow Homogenizer Pressure Gauge has a Stainless Steel Diaphragm that maintains a sanitary, crevice free, easily cleansed surface. It is built to withstand the damaging effects of the high pressure pulsations that result during the Homogenizing Process, and function for many years with little to no maintenance. These gauges are available with many different Flange options to fit most Homogenizer machines.

All of our pressure gauges are built to withstand the harshest environments and function for many years with little to no maintenance. Our dedication to quality is not only evident in our products, but also in our customer service. CSE commits to offering the highest level of product

KEY FEATURES

316L Stainless Steel Sanitary Fittings and Diaphragms	Assures maximum corrosion resistance while providing the most sanitary construction possible
304L Stainless Steel Case	For durability even in the harshest environments
Polycarbonate Lens	Ensures durability
Waterproof Construction	Allows gauge to be submersed for cleaning
Clean-In-Place (CIP)	Can be cleaned in place for convenience and to eliminate the possibility of damage from mishandling
Pressure Ranges	Available from 1,000psi up to 15,000psi
True Zero with Re-Zero Feature	Standard on all Sanitary Gauges
Unique Pulsation Dampening System	To insulate the gauge movement from punishing pulsations which shorten the life of an ordinary pressure gauge
Glycerin Fill	Standard to protect the gear mechanism against wear and vibration
350°F Maximum Process Temperature (176°C)	With high temperature option

TYPICAL INDUSTRIES

- Pharmaceutical
- Biotechnology
- Specialized OEM Equipment
- Food
- Beverage
- Citrus
- Meat / Poultry
- Distillery
- Winery
- Cosmetic

SPECIFICATIONS

TOLERANCES:

Compliance:	ANSI / 3-A, NEMA 4X, IP67, ISO 9001:2015
Accuracy:	±1.0% of Full Scale
Over Range Capability:	30% Over Range
Repeatability:	±0.5% of Full Scale
Linearity:	±0.5% of Full Scale
Hysteresis:	±0.5% of Full Scale
Process Temperature Range:	10° to 250°F (-12° to 121°C) *
Ambient Operating Limits:	25° to 160°F (-4° to 71°C)
Ambient Storage Limits:	0° to 250°F (-18° to 121°C)

* High Temperature Option increases maximum process temperature to 350°F (176°C)

CONSTRUCTION:

Product Contact Material:	316L Stainless Steel
Product Contact Finish:	R _a max = 25µin (0.64µm)
Case and Lens Ring Material:	304L Stainless Steel
Lens Material:	3/8" Polycarbonate
Dial Face:	5" Aluminum Printed with UV Inks (No Stickers)
Bourdon Tube:	Stainless Steel
Re-Zero Adjustment:	Standard on all Sanitary Gauges - 100% of Span
Standard Case Fill:	99.7% USP Food Grade Glycerin *
Standard System Fill:	99.7% USP Food Grade Glycerin *
Approx. Shipping Weight (w/o Flange):	5 Pounds (2.3 Kg)
Approx. Shipping Weight (with Flange):	7 Pounds (3.2 Kg)

* Other fill options available - See website or contact us

MADE IN THE USA

Chicago Stainless Equipment, Inc products are proudly manufactured in the USA.



PART NUMBERS

Example: **5H-VB-03-GF-CD - CSE**

SERIES

5" Sani-Flow Homogenizer Pressure Gauge **5H**

SINGLE SCALE

<u>RANGE</u>	<u>PSI</u>	<u>BAR</u>	<u>kg/cm²</u>	<u>MPa</u>	<u>Tons/Ft²</u>	<u>Atmospheres</u>
0 to 1,000	K	70BAR	70KG	7MPA	70TON	70ATM
0 to 2,500	T	175BAR	175KG	17MPA	175TON	175ATM
0 to 3,000	U	200BAR	200KG	20MPA	200TON	200ATM
0 to 5,000	V	350BAR	350KG	35MPA	350TON	350ATM
0 to 7,500	Y	500BAR	500KG	50MPA	500TON	500ATM
0 to 10,000	W	700BAR	700KG	70MPA	700TON	700ATM
0 to 15,000	X	1000BAR	1000KG	100MPA	1000TON	1000ATM

OR

DUAL SCALE

<u>RANGE</u>	<u>PSI-BAR</u>	<u>PSI & kg/cm²</u>	<u>PSI & MPa</u>	<u>PSI & Tons/Ft²</u>	<u>PSI & Tons/Ft²</u>
0 to 1,000	KB	KKG	KMPA	KTON	KATM
0 to 2,500	TB	TKG	TMPA	TTON	TATM
0 to 3,000	UB	UKG	UMPA	UTON	UATM
0 to 5,000	VB	VKG	VMPA	VTON	VATM
0 to 7,500	YB	YKG	YMPA	YTON	YATM
0 to 10,000	WB	WKG	WMPA	WTON	WATM
0 to 15,000	XB	XKG	XMPA	XTON	XATM

FITTING

APV Gaulin - No Flange	01
APV Gaulin with 7/8" 2 Bolt Flange	02
APV Gaulin with 1-1/8" 2 Bolt Flange	03
Waukesha Fitting with 1/2" 4 Bolt Flange	04
Waukesha Fitting with 3/4" 4 Bolt Flange	05
Laboratory Homogenizer with 1.66" 2 Bolt Flange	09
Niro/Soavi Fitting with 15/16" 2 Bolt Flange	11
APV Rannie Fitting - No Flange	12
Niro/Soavi Fitting - No Flange	13

PART NUMBERS CONT...

Example: **5H-VB-03-GF-CD - CSE**

CASE FILL

Glycerin Filled Case * STANDARD *	GF
No Fill	NF
Mineral Oil Filled Case	MF
Silicone Filled Case	SF
Propylene Glycol Filled Case	PF

LOGO * CUSTOM LOGOS AVAILABLE UPON REQUEST *

Chicago Stainless Equipment, Inc * STANDARD *	CSE
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ADDITIONAL OPTIONS

Glass Lens	5GL <i>(n/a with drag pointer)</i>	High Visibility Dial Face - Green	HVG
Drag Pointer	DRAG5 <i>(n/a with glass lens)</i>	General Calibration Certificate	CG
High Temperature Option	VI	Detailed Calibration Certificate	CD
Custom Color Ranged Dial	CR	Material Test Report	MTR
Extra Dampening	XD	Certificate of Conformity	CC
Silicone System Fill	SSF	Paper Tag	PTI
Propylene Glycol System Fill	PSF	Stainless Steel Tag	STI
High Visibility Dial Face - Yellow	HVY	Animal Derived Ingredient Free Cert	ADIF

REPAIR

We offer repairs on all of our Homogenizer Pressure Gauges. All repair orders must be through a CSE authorized distributor. You may ship your Pressure Gauge to our facility at...

Chicago Stainless Equipment, Inc
ATTN: REPAIRS
1280 SW 34th St
Palm City, FL 34990

** Please always include a Purchase Order inside of the box to prevent loss of your item **

- Your item(s) will be evaluated by our skilled technicians and if they find any issues that may deem the gauge(s) to be damaged beyond repair, a member of our Sales Team will reach out to the contact provided on your Purchase Order.
- We do NOT repair by replacement. The Pressure Gauge you send in is the Pressure Gauge you will receive back to you.
- Although we do not require an RMA for repairs, you may request one by email at Sales@ChicagoStainless.com

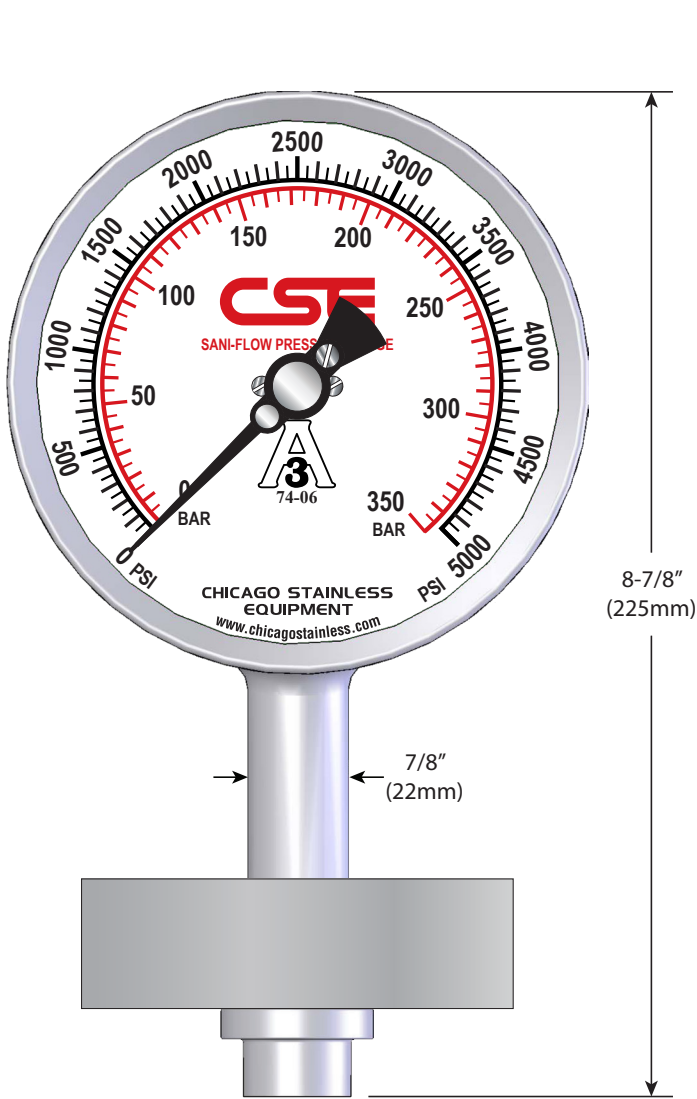
RECALIBRATION

If you are looking for your Pressure Gauge to be recalibrated and do not believe a repair is needed, you may send in a Pressure Gauge the same way as stated above.

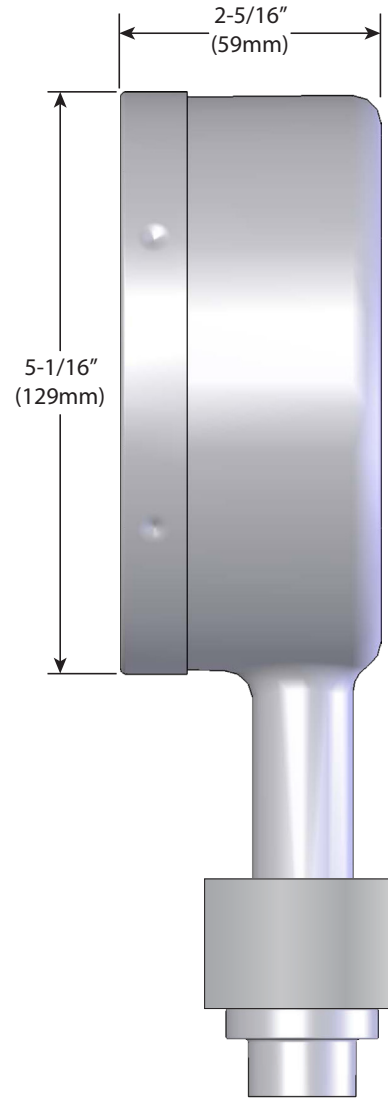
- Recalibration with or without certifications can only be completed on an instrument that has not been damaged and is functioning properly.

If the gauge is found to be damaged or not functioning for any reason, it must first be repaired. After repair of the gauge, it will automatically be recalibrated.

- Any type of recertification can be requested with an additional fee.



FRONT VIEW
(Shown with 2 Bolt Flange)



SIDE VIEW
(Shown with 2 Bolt Flange)