

CSE CHICAGO STAINLESS EQUIPMENT, INC

SANI-FLOW

HOMOGENIZER PRESSURE GAUGES



Member of
fisa
Promoting Distribution
Hygienic Processing

QUALITY PRODUCTS SINCE 1937
www.ChicagoStainless.com

CSE HOMOGENIZER PRESSURE GAUGES

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. 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 and resources to every customer. We provide efficient, quick, and friendly service along with striving to build relationships with all of our partners.

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 Consutruction

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 1,000 psi up to 15,000 psi..

Unique Pulsation Dampening System

To insulate the gauge movement from the damaging effects of the high pressure pulsations that result during the Homogenizing Process, which would shorten the life of an ordinary pressure gauge.

True Zero with Re-Zero Feature

Standard on all Sanitary Gauges

Glycerin Fill

Standard to protect the gear mechanism against wear and vibration

350°F Maximum Process Temperature (176°C)

With high temperature option

CSE HOMOGENIZER PRESSURE GAUGES

SPECIFICATIONS

TOLERANCES :

Compliance	<i>3-A, Nema 4X, IP67</i>
Accuracy	<i>+/- 1.0% of Full Scale</i>
Over Range Capability	<i>30% Over Range</i>
Repeatability	<i>+/- 0.5% of Full Scale</i>
Linearity	<i>+/- 0.5% of Full Scale</i>
Hysteresis	<i>+/- 0.5% of Full Scale</i>
Process Temperature Range	<i>10° to 250°F (-12° to 121°C)*</i>
Ambient Operating Limits	<i>25° to 160°F (-4° to 71°C)</i>
Ambient Storage Limits	<i>0° to 250°F (-18° to 121°C)</i>

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

CONSTRUCTION :

Product Contact Material	<i>316L Stainless Steel</i>
Product Contact Finish	<i>aR max = 25µin (0.64µm)</i>
Case and Lens Ring Material	<i>304L Stainless Steel</i>
Lens Material	<i>3/8" Polycarbonate</i>
Dial Face	<i>5" Aluminum Printed with UV Inks (No Stickers)</i>
Bourdon Tube	<i>Stainless Steel</i>
Re-Zero Adjustment	<i>Standard on all Sanitary Gauges - 100% of Span</i>
Standard Case Fill	<i>99.7% USP Food Grade Glycerin *</i>
Standard System Fill	<i>99.7% USP Food Grade Glycerin *</i>
Approximate Shipping Weight (with Flange)	<i>5 Pounds (2.3 Kg)</i>
Approximate Shipping Weight (without Flange)	<i>7 Pounds (3.2 Kg)</i>

** Other fill options available - See website or contact us*

CSE **HOMOGENIZER PRESSURE GAUGES**

OPTIONS

AVAILABLE RANGES (PSI)

0 to 1,000 0 to 7,500
0 to 2,500 0 to 10,000
0 to 3,000 0 to 15,000
0 to 5,000

* Available in Single or Dual Scale

OTHER AVAILABLE RANGES

BAR
kg/cm²
Megapascal
Tons/Ft²
Atmospheres

AVAILABLE FITTINGS

APV Gaulin - No Flange
APV Gaulin with 7/8" 2 Bolt Flange
APV Gaulin with 1-1/8" 2 Bolt Flange
Waukesha Fitting with 1/2" 4 Bolt Flange
Waukesha Fitting with 3/4" 4 Bolt Flange
Laboratory Homogenizer with 1.66" 2 Bolt Flange
Niro/Soavi Fitting with 15/16" 2 Bolt Flange
APV Rannie - No Flange
Niro/Soavi Fitting - No Flange

CASE FILL OPTIONS

Glycerin Fill * *Standard* *
No Fill
Mineral Oil Fill
Silicone Fill
Propylene Fill

ADDITIONAL OPTIONS

Glass Lens
Drag Pointer
High Temperature Option
Custom Color Ranged Dial Face
Extra Dampening
Stainless Steel Tag

Paper Tag
Silicone System Fill
Propylene Glycol System Fill
High Visibility Dial Face - Yellow
High Visibility Dial Face - Green

General Calibration Certificate
Detailed Calibration Certificate
Material Test Report
Certificate of Conformity
Animal Derived Ingredient Free Certificate

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VISIT OUR WEBSITE

www.ChicagoStainless.com



Configurators ▼

Our website has an extremely user friendly configurator where you can build a product step by step exactly how your application may need.

Products

View our full product line.

Find a Distributor

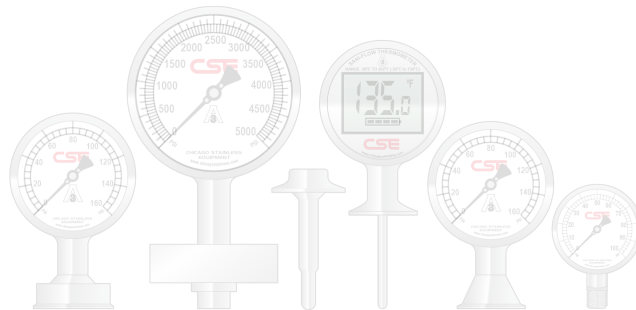
Use our CSE Distributor Locator for help locating a distributor in your area.

CONTACT US

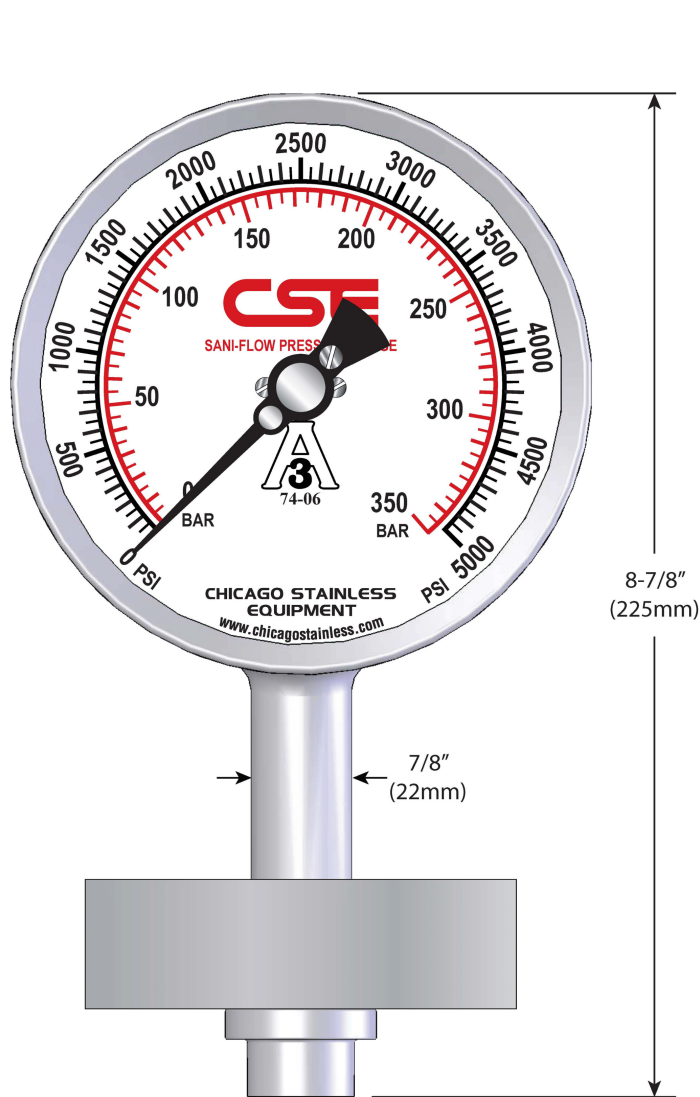
Office Hours: Monday - Friday 8:00am to 5:00pm (EST)

Office Phone: 772-781-1441

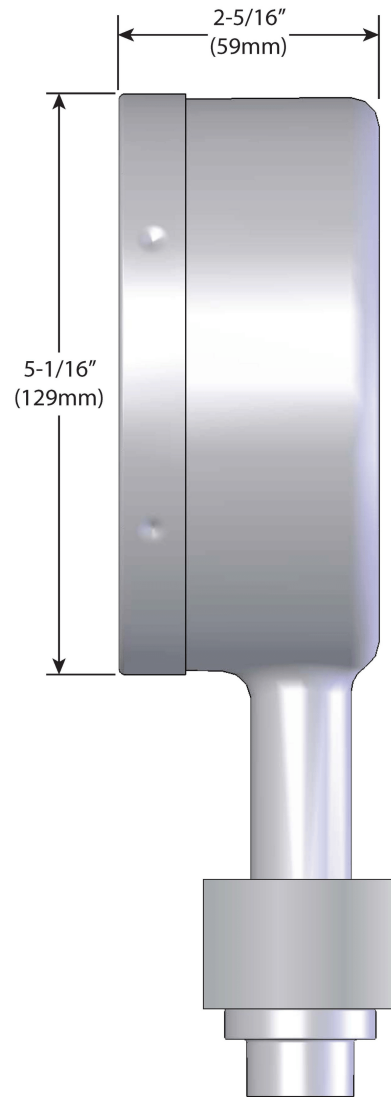
Email: Sales@ChicagoStainless.com



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FRONT VIEW
 (Shown with 2 Bolt Flange)



SIDE VIEW
 (Shown with 2 Bolt Flange)