



SANITARY PRESSURE GAUGES CATALOG

Since 1964



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Supply House to the Processing Industries Since 1964

Trusted supply house of sanitary processing equipment, parts and supplies for the dairy and food, brewery, beverage and pharmaceutical industries.

Harco Enterprises offers a diverse line of sanitary and hygienic processing equipment, parts and supplies including pumps, sanitary valves, separators, homogenizers, gaskets and fittings, sanitary hoses, and instrumentation as well as a variety of other products from world leading manufacturers such as Alfa Laval, Ampco, Tetra Pak, Burkert, Tri-Clover, Remco, Vikan, Carlisle, Haynes, Strahman, and more.

These products are distributed to dairy, food, beverage processing facilities as well as the pharmaceutical, brewing, and fisheries industries throughout North America.

Many of our products are customized in design due to strict sanitary and hygienic standards, and all are built to stand up to the demands of high production environments. Resourcefulness and quick delivery are important to you, and Harco always provides both.

Check out our large collection of equipment, parts and supplies, including our line of color-coded products available.

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Sanitary Pressure Gauges

SANI-FLOW

Designed to withstand demanding environments, the Sani-Flow Pressure Gauge provides reliable, long-term performance with little or no maintenance. Its durable construction makes it well suited for sanitary processing applications across a range of industries.

Typical Industries:

- Pharmaceutical & Biotechnology
- Food & Beverage
- Meat / Poultry
- Distillery & Winery
- Cosmetic



FEATURES

316L Stainless Steel Sanitary Fittings & Diaphragm assures maximum corrosion resistance while providing the most sanitary construction possible.

304 Stainless Steel Case for durability even in the harshest environments.

Polycarbonate Lens is virtually impervious to cracks and breakage.

Waterproof Construction throughout allows gauge to be submersed for cleaning.

C.I.P. - can be cleaned in place for convenience and to eliminate the possibility of damage from mishandling.

Pressure Ranges from 30" Hg vacuum to 1,000 psi.

Recessed Diaphragm helps to protect sensitive diaphragm from physical abuse.

True Zero with Re-Zero Feature is standard on all gauges.

Unique Pulsation Dampening System to insulate the gauge movement from punishing pulsations which shorten the life of an ordinary pressure gauge.

Glycerine Fill is standard to protect the gear mechanism against wear and vibration.

500°F Maximum process temperatures (260°C)*.

Immediate Availability from stock for all pressure gauges.

Experienced Engineers are available to answer questions and solve difficult application problems.

Unparalleled Customer Service where the customer is always right and we are not happy until the customer is satisfied. No restocking charges plus 30 day no-risk trials are always available.

SPECIFICATIONS

Compliance	ANSI / 3-A, NEMA 4X, IP67
Accuracy	±1.5% of Full Scale
Over Range Capability	30% Over Range
Linearity/Hysteresis/Repeatability	±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)
Product Contact Finish	R _a max = 25µin (0.64µm)
Case & Lens Ring Material	304L Stainless Steel
Lens Material	1/4" Polycarbonate
Dial Size	3-1/2"(90mm) or 5"(120mm) Dia.
Standard Fill	Food Grade Glycerine
Re-Zero Adjustment	Standard on Pointer
Approx. Shipping Weight (3½"):	3 Pounds (1.4 Kg)
Approx. Shipping Weight (5"):	5 Pounds (2.3 Kg)

AVAILABLE RANGES (psi)

0 to 30	0 to 300	30"-0-60
0 to 60	0 to 400	30"-0-100
0 to 100	0 to 600	30"-0-150
0 to 160	0 to 1,000	30"-0-200
0 to 200	30"-0-30	30"-0-300

Standard scales are in PSI only, dual PSI/BAR and other scales available upon request.

AVAILABLE FITTINGS

Tri-Clamp®, Bevel Seat, Cherry-Burrell "I" Line, Cherry-Burrell "Q", APC, APV, G & H "H" Line, DIN, ISS, RJT, SMS, Westfalia.

For other fittings please consult Harco.

**For high temperature applications please consult factory.*

Tri-Clamp® is a registered trademark of Tri-Clover, Inc.

Teflon® is a registered trademark of E. I. du Pont de Nemours and Company or its affiliates.

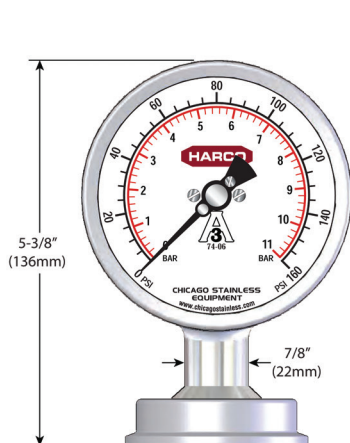
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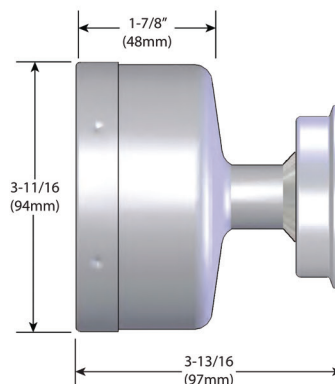
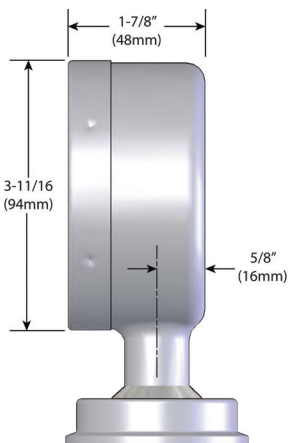
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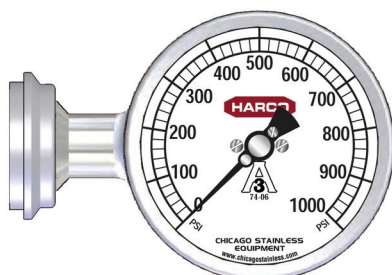
Sanitary Pressure Gauges



3-1/2" BOTTOM MOUNT
(Shown with 2" Tri-Clamp)



3-1/2" BACK MOUNT
(Shown with 2" Tri-Clamp)



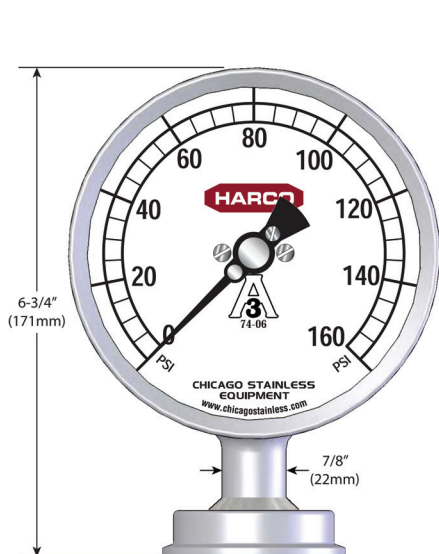
3-1/2" LEFT SIDE MOUNT
(Shown with 1-1/2" Male I-Line)



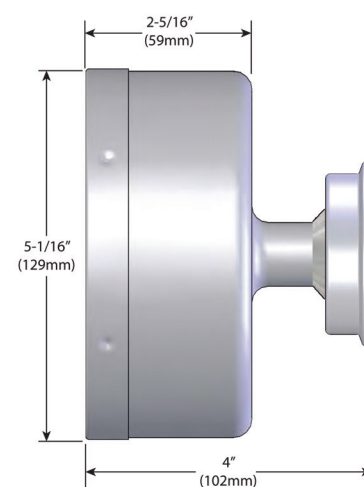
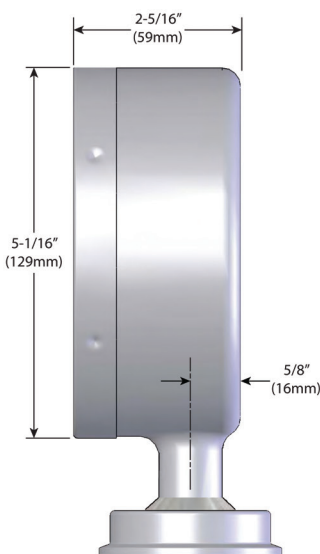
3-1/2" TOP MOUNT
(Shown with 2" Male I-Line)



3-1/2" RIGHT SIDE MOUNT
(Shown with 1-1/2" Tri-Clamp)



5" BOTTOM MOUNT
(Shown with 2" Tri-Clamp)



5" BACK MOUNT
(Shown with 2" Tri-Clamp)

Sanitary Pressure Gauges

ORDERING INFORMATION

Below are typical examples of models with their descriptions.

EXAMPLE 1:

3S - E - 2U - GF - BT - SS

Describes a 3½" Sani-Flow Pressure Gauge, 0 to 160 psi, 2" Tri-clamp fitting, glycerine filled case, bottom mount, and a stainless steel diaphragm.

EXAMPLE 2:

3S - DB - 15U - GF - BK - SS

Describes a 3½" Sani-Flow Pressure Gauge, 0 to 100 psi/0 to 7 BAR, 1½" Tri-clamp fitting, glycerine filled case, back mount, and a stainless steel diaphragm.

EXAMPLE 3:

3S - M - 2S - GF - BT - TF

Describes a 3½" Sani-Flow Pressure Gauge, 30" Hg to 30 psi, 2" bevel seat threaded fitting, glycerine filled case, bottom mount, and a Teflon® diaphragm.

EXAMPLE 4:

5S - GK - 25I - GF - RT - SS

Describes a 5" Sani-Flow Pressure Gauge, 0 to 300 psi/0 to 28 Kg/cm², 2½" male I-line fitting, glycerine filled case, right side mount, and a stainless steel diaphragm.

MODEL NUMBER CONSISTS OF:

SERIES	PRESSURE RANGE	FITTING	FILLED CASE	MOUNT	DIAPHRAGM MATERIAL
3B	T67	2U	BK	L4.5	3/8

Please make a selection from each category below:

SERIES

- 3S** 3½" Sani-Flow Pressure Gauge
3S 5" Sani-Flow Pressure Gauge

PRESSURE RANGE*

- B** 0 to 30 psi (2 BAR)
C 0 to 60 psi (4 BAR)
D 0 to 100 psi (7 BAR)
E 0 to 160 psi (11 BAR)
F 0 to 200 psi (14 BAR)
G 0 to 300 psi (21 BAR)
H 0 to 400 psi (28 BAR)
I 0 to 600 psi (41 BAR)
K 0 to 1,000 psi (70 BAR)
M 30" Hg to 30 psi (-1 to 2 BAR)
N 30" Hg to 60 psi (-1 to 4 BAR)
O 30" Hg to 100 psi (-1 to 7 BAR)
P 30" Hg to 150 psi (-1 to 10 BAR)
Q 30" Hg to 200 psi (-1 to 14 BAR)
R 30" Hg to 300 psi (-1 to 21 BAR)

*Standard scales are in PSI only. For dual scales, after the pressure range add letter B for PSI/BAR, K for PSI/Kg/cm², P for PSI/KPa.

FITTINGS

(Fittings available in 1½", 2", 2½", 3")

- H** G&H "H" Line Male
I Cherry-Burrell Male I-Line
J Cherry-Burrell Female I-Line
K APC "K" Clamp
N ISS
Q Cherry-Burrell "Q"
R RJT
S #15 Bevel Seat Sanitary Male Thread
T #13H Captive Nut & #14 Bevel Seat
U Tri-Clamp®
V #15 APV Gasket Seat Sanitary Male Thread
W #13H Captive Nut & #14 APV Gasket Seat
X APC-PV Gasket Seat w/#13H Captive Nut
Y APC #15 Threaded Male
DIN DIN according to DIN 11851 (specify DIN40 or DIN50)
SMS SMS (specify SMS38 or SMS51)

(Specify size, then fitting type such as 1½"U for a 1½" Tri-Clamp fitting.)

FILLED CASE

- GF** Glycerine Filled
NF No Fill (Dry Case)
04 Other (Specify)

MOUNT

- BT** Bottom Mount
RT Right Side Mount
LF Left Side Mount
TP Top Mount
BK Back Mount

DIAPHRAGM MATERIAL

- SS** Stainless Steel
TF Teflon®



Product Line Card

Supply House to the Processing Industries Since 1964

Harco partners with leading manufacturers in the industry to bring you an innovative range of sanitary and hygienic processing equipment and supplies. With experience in design, manufacturing and support, our partners are selected for their quality, reliability, and advanced products.

