

SERIES SG

SANITARY PRESSURE GAUGES

REOTEMP sanitary gauges are specially designed to meet the demanding sanitary requirements of food, dairy, beverage, pharmaceutical, and biotech applications.

- Quick connecting Tri-clamp design
- Fast removal and installation of instruments, to allow flushing or changing the process media
- Ideal for clean-in-place, or equipment washdown
- Designed to meet 3-A sanitary standards
- Comes with 3-A certification
- All welded 316 SS Tube, Socket, Seal, and Diaphragm



Specifications:

- Dial sizes:** 2", 2.5", 3.5", 4"
- Wetted Parts:** 316L polished SS
- Case & Ring:** 300 series polished SS
- Process Connection:** Tri-clamp, lower or back
Other connections optional
- System Filling:** USP Glycerin (standard), Silicone, Neobee (optional)
- Windows:** Polycarbonate (2.5" & 3.5")
Laminated Safety Glass (4"), Glass (2")
- Accuracy:** **Standard Seal:** 1.5% for ranges 100 psi and above. 2% for compound and below 100 psi ranges.
Fractional Seal: Ranges 60 psi & above - 2.5% up scale†, up to 4% downscale.

3/4" Triclamp (Fractional) seal Limitations: Due to the compact nature of the 3/4" triclamp fractional seal, several factors can affect accuracy. Use of the fractional seal generally involves a compromise in performance for the convenience of the small size. The fractional sanitary gauge provides repeatable pressure reference in a stable temperature environment, but the larger 1 1/2" or 2" triclamp seals are recommended for greater accuracy whenever possible.

Gasket: The REOTEMP fractional gauge is calibrated using a standard 3/4" Buna gasket. When choosing a gasket for installation, care should be taken so the gasket does not push on the diaphragm.

Temperature: The fractional seal's temperature effect varies with the range selected, but is generally greater than +/- 0.5% per 10 °F change in process temperature. The fractional seal is recommended for stable process temperatures from 40°F to 120°F.

Pressure Range: The fractional seal is most accurate in ranges over 160 psi.

Options:

- Liquid Filled Case** - Glycerin - USP Food Grade,
Other fills requested
- Alternate Process Connections** - Cherry-Burrell "I" line or Bevel seat type
- Alternate Seal fill fluids** - Neobee M-20, Silicone 200, Vegetable Oil
- Calibration** - Traceability certs, with or without logged points

To Order: Specify Part Number + Range Code

Standard Seal Sizes (1.5", 2" Tri-clamp)				
Part Number	Gauge Size	Connection Location	Tri-clamp Size	Available Ranges (psi)*
SG20 A TC 15 SG20 C TC 15	2"	Bottom	1.5"	All
		Back	1.5"	
SG20 A TC 20 SG20 C TC 20	2"	Bottom	2"	
		Back	2"	
SG25 A TC 15 SG25 C TC 15	2.5"	Bottom	1.5"	All
		Back	1.5"	
SG25 A TC 20 SG25 C TC 20	2.5"	Bottom	2"	
		Back	2"	
SG35 A TC 15 SG35 C TC 15	3.5"	Bottom	1.5"	All
		Back	1.5"	
SG35 A TC 20 SG35 C TC 20	3.5"	Bottom	2"	
		Back	2"	
SG40 A TC 15 SG40 C TC 15	4"	Bottom	1.5"	0/60 to 0/1000
		Back	1.5"	
SG40 A TC 20 SG40 C TC 20	4"	Bottom	2"	
		Back	2"	
SG60 A TC 15	6"	Bottom	1.5"	0/160 to 0/1000
SG60 A TC 20		Bottom	2"	

*Pressures over 600 psi may require special clamps

Fractional Seals (3/4" Tri-clamp)

SG20 A TC 75 SG20 C TC 75	2"	Bottom	3/4"	30"Hg/0/30psi to 0/1000
		Back		
SG25 A TC 75 SG25 C TC 75	2.5"	Bottom	3/4"	0/160 to 0/1000
		Back		

Fractional Seals come with 3/4" triclamp and buna gasket.

To Order: Specify part number and range code (see "How to Order")