



**DIAPHRAGM SEALS**

# Type C Series Sanitary Diaphragm Seal and CSTG Sanitary Gauge/Seal Assembly

**DESCRIPTION**

AMETEK - US Gauge Type C Series diaphragm seals or CSTG sanitary pressure gauge/seal feature a simple, one-piece seal design with diaphragms fastened directly onto the instrument top housing. Type C seals are crafted of 316 stainless steel with quick-couples that meet 3A<sup>®</sup> Standards per specification 74-07 for use in sanitary service applications in the food, beverage, pharmaceutical, and other industries requiring extreme levels of purity.

Type C Series seal elements are designed to mount on tees or welding ferrules. Their design allows for fast, efficient removal and installation for flushing or changing process media, line cleanout, and equipment washdown situations.

Seal pressure and temperature specifications are determined by the sanitary piping system limitations.

The gauge is available in both 63mm or 100mm sizes, and has 316L SST internals and 304 SST case and bezel.

**Application Note**

Seal element pressure and temperature limits are determined by the sanitary piping system's limits.



**FEATURES**

- All welded 316L SST construction meets 3A Standards
- Ideal for food, beverage, pharmaceuticals, or high purity applications
- Compatible with a variety of piping systems
  - Tri-clamp style fittings
- Quick connection and disconnection from process
  - Ideal for clean or steam in place (CIP/SIP)

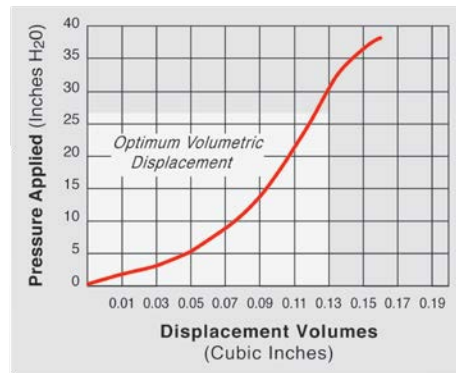
**SPECIFICATIONS**

**BODY MATERIAL:** 316L stainless steel

**INSTRUMENT CONNECTION:** 1/4 NPT or stem for tubing

**DIAPHRAGM MATERIAL:** 316 ELC stainless steel

- Surface finish on seal: 32 Ra or better
- Connection sizes: 1-1/2", 2", and 3"
- Fill Fluid: food grade fill solutions available including glycerin, mineral oil, neobee 200 and vegetable oil



**Pressure vs. Volumetric Displacement (CST Series)**

Displacement curves are provided to assist in selecting a diaphragm seal with minimal full span displacement bias effects. This graph is for reference only and may not accurately represent the maximum displacement that may be used. Contact AMETEK for exact specifications.

Please contact [usg.sales@ametek.com](mailto:usg.sales@ametek.com) for more information on sanitary seals.