# Diaphragm Seals General Specifications

## Triclover Seal

Type PSSTR

**Application.**
Benney offers a variety of Triclover diaphragm seals for use in food, beverage and pharmaceutical industries. This seal is ideal for most applications where a sanitary barrier is required. This seal is used to prevent the product entering the instrument and therefore creating an unsanitary environment. It will also prevent plugging or damage to the instrument caused by product or cleaning solutions. The seal is designed to integrate with automated clean in place systems (CIP). The one-piece body comes in several sizes with a range of instrument connections to suit most gauges and transmitters. Manufactured from 316L stainless steel, however other diaphragm and body materials can be supplied if desired. Using a standard clamp the Triclover seal has a maximum working pressure of up to 3500kPa. Heavier duty nuts can be used to achieve a higher-pressure rating.

**Configuration.**
Transmitter and Gauge / Switch seals available.
Differential or Gauge / Switch pressure with capillaries, or direct mount

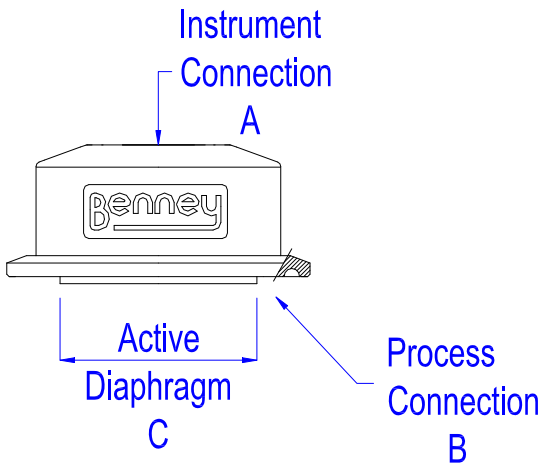
**Process Connection Size.**
1" (25mm)
1½'' (40mm)
2'' (50mm)
2½'' (63mm)
3'' (75mm)
Other sizes available upon request.

**Seal Construction.**
Machined from 316L stainless steel barstock.
Other materials available upon request.

**Diaphragm Materials.**
316L stainless steel (Standard)
Other materials available upon request.

**Instrument Connections.**
¼'' BSPT female
¼'' NPT female
¼'' BSPP female
3/8'' BSPP female
½" BSPP female
Other connections available on request.

**Zero Stability.**
Stability will be affected by the instrument configuration, ambient temperature, process temperature, connection size (diaphragm size) and the measuring range. For temperature effects and instrument accuracy please contact us.




**Standard seal configuration.**

| | "A" | "B" | "C" |
|---|---|---|---|
| 1" | Specify | 1" Triclover | 32 |
| 1 ½" | Specify | 1 1/2"Triclover | 32 |
| 2" | Specify | 2" Triclover | 40 |
| 2 ½" | Specify | 2 ½" Triclover | 52 |
| 3" | Specify | 3" Triclover | 72 |

*"C" Dimension is in millimetres.