

## SMS Seal Type PSSS

### Application.

Benney offers a variety of SMS diaphragm seals for use in the food and beverage industries but is particularly appropriate for use on separator machines. 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. Transmitter spec seals are specially designed to be more sensitive and limit the effects of possible zero shift. Manufactured from 316L stainless steel is ideal for sanitary applications, however other diaphragm and body materials can be supplied if desired. Using a standard nut the SMS 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 specification SMS seals available. Differential or Gauge pressure with capillaries, or direct mount.

### Process Connection Size.

- 1 ½" male
- 1 ½" female
- 2" male
- 2" female

### Seal Construction.

Body machined from 316L stainless steel barstock, diaphragm welded directly into body.  
Other body materials available on request.

### Diaphragm Materials.

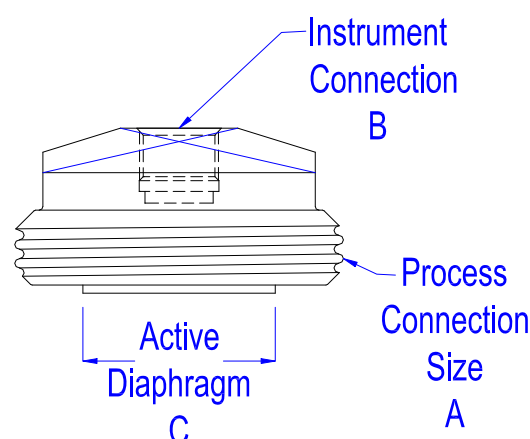
316L stainless steel (Standard).  
Other wetted parts material available on request.

### 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 ½" male	1 ½" SMS	Specify	32
2" male	2" SMS	Specify	40
1 ½" female	1 ½" SMS	Specify	32
2" female	2" SMS	Specify	40

\*C Dimension is in millimetres.