

## ANSI RTJ Flange Seal Type PFSRT

### Application.

Ideal for any application where plugging or damage to the instrument can be caused by corrosion. Typically these seals are required wherever harsh process fluids/chemicals are used. They are commonly used in the chemical, petro-chemical, pulp and paper, mining and power industries.

### Configuration.

Gauge pressure measurement is via capillaries or directly mounted to the instrument.

Differential pressure measurement is via capillaries.

The ANSI RTJ chemical flange diaphragm seal can be supplied in a variety of wetted materials, sizes and pressure ratings. Several instrument connections to suit most gauges and transmitters are available.

### Process Connection.

According to ASME B16.5:2003  
ANSI Rating: 150 - 2500 lbs.  
Packing surface finish: Ring groove.

### Process Connection Size.

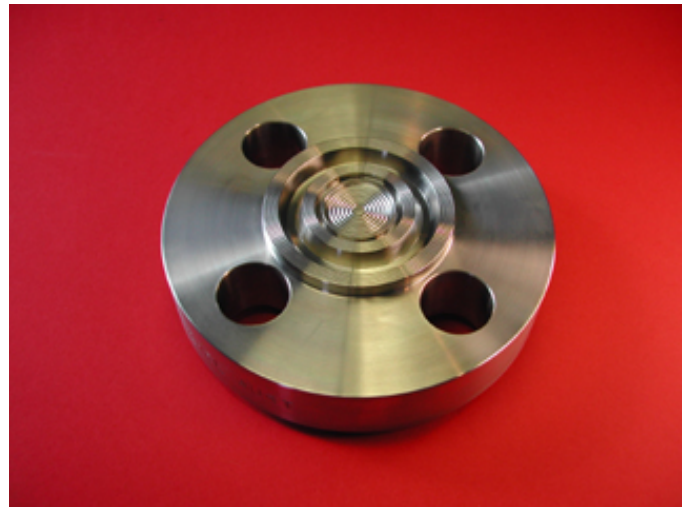
Sizes available: 2" to 4"  
Other sizes available on request.

### Seal Construction.

Flange machined from bar stock.  
Diaphragm welded directly into flange.

### Flange body materials.

316L Stainless Steel (Standard)  
304 Stainless Steel  
Hastelloy C-276  
Monel 400  
Tantalum  
Duplex 2205  
PFA (316L Stainless Steel coated)  
Other materials available on request.



### Diaphragm Materials.

316L stainless steel (Standard)  
304 stainless steel  
Hastelloy C-276  
Monel 400  
Tantalum  
Duplex 2205  
PFA (316L Stainless Steel coated)  
Gold Plated 316L Stainless Steel  
Nickel 200  
Other materials 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.

### Diaphragm size.

2" Flange seal = 58mm diaphragm  
3" Flange seal = 89mm diaphragm  
4" Flange seal = 89mm diaphragm

### 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.