ANSI Chemical Flange Seal

Type CFSAR

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.

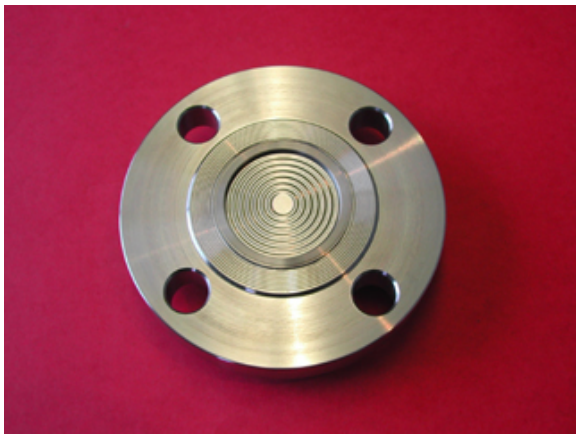
The ANSI chemical flange diaphragm seal can be supplied in a variety of wetted materials, sizes and pressure ratings. Several instrument connections to suit most gauges and transmitters are available.

Process Connection.
According to ASME B16.5:2003
ANSI Rating: 150 - 2500 lb.
Packing surface finish: Concentric rings 0.1mm deep.

Process Connection Size.
Sizes available: 2” to 4”.
Other sizes available on request.

Seal Construction.
Flange Machined from bar stock.
Diaphragm welded directly or clamped 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.