

Pancake or Wafer Seal

Type PWS

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 Pancake or wafer chemical 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.

The seal is held in place by a blind backing flange.



Process Connection Size.

Sizes available:

2" (50mm)

3" (75mm)

Other sizes available upon request.

Backing flange standards.

(The seal can be supplied without a Backing flange).

ANSI, ANSI RTJ, Din, ANSI Large Tongue, ANSI Large Groove, Table & JIS.

Other flanges available on request.

Backing flange materials.

316L stainless steel (Standard)

304 stainless steel

S25C carbon steel

Other materials available on request.

Seal Construction.

Body Machined from bar stock

Diaphragm welded into flange

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.

Wafer wetted parts.

316L Stainless Steel (Standard)

304 Stainless Steel

Hastelloy C-276

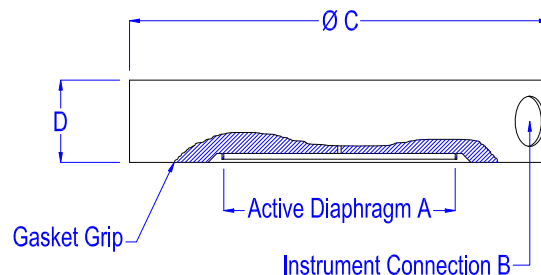
Monel 400

Tantalum

Duplex 2205

PFA (316L Stainless Steel coated)

Other materials available on request.



Size	"A"	"B"	"C"	"D"
2" (50)	58	G3/8"/M12	92.1	25
3" (75)	89	G3/8"/M12	127	25

*All dimensions are in millimetres.

Wafer body material.

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.

Instrument Connection.

3/8" BSPP Female.

M12 x 1.25 Female.

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.