

Pressure Gauge with Seal Type PGS

Application.

Benney offers a wide range of pressure and vacuum gauges fitted with a diaphragm seal for use in all industries. Diaphragm seals are 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 seals are designed to integrate with automated clean in place systems (CIP). Diaphragm seals can be supplied with a variety of connections and materials. Stainless steel armoured capillary can be added to remotely mount the gauge in a panel if desired. With Benney's wide range of diaphragm seals and pressure gauges, there is a combination suitable for even the harshest of applications.

Process Connection.

1½", 2", 3" BSM (flat face, with nut).
1½", 2", 3" BSM (recessed face, with nut).
1½", 2", 3" Triclover.
1, 1½", 2" and 3" BSPT and NPT plug connection.
2" to 3" flange seals in all types and ratings.
8 bolt chemical seal ½", 1", 1½" flanged connection in all types and ratings, screwed connections in BSPT and NPT.
80mm Silo Seal Connection.
Other process connections available on request.

Pressure Ranges

-100 to 0 kPa	0 to 60 kPa
0 to 100 kPa	0 to 160 kPa
0 to 250 kPa	0 to 400 kPa
0 to 600 kPa	0 to 800 kPa
0 to 1000 kPa	0 to 1600 kPa
0 to 2500 kPa	0 to 4000 kPa
0 to 6000 kPa	0 to 10000 kPa
0 to 16000 kPa	0 to 25000 kPa
0 to 40000 kPa	0 to 60000 kPa
0 to 100000 kPa	

Other pressures available on request.

Dial Size

63mm, 100mm, 160mm.

Process Connection.

Stainless steel.
Available as bottom, rear entry, direct, panel or surface mount

Diaphragm Materials.

As per required diaphragm seal specification data sheet. See www.benney.com.au for diaphragm seals.

Seal Construction.

As per required diaphragm seal specification data sheet. See www.benney.com.au for diaphragm seals.

Capillary. (If required).

316L Stainless Steel

Capillary Armour. (If required).

Standard, or for processes with temperatures over 100°C, spiral wound 304 stainless steel.
Or optional PVC coated 304 Stainless Steel.



Case Material.

304 Stainless Steel

Bezel Material.

304 Stainless Steel

Lens Material.

Standard: Polycarbonate lens
Optional: Safety Glass

Dial / Pointer Material.

Aluminium, white surface with black print

Over Range Point.

130% span

Safety Blowout.

Available on 100 and 160mm Gauges only

Operating Temperature.

-30 to 110°C

Filled Case.

Available in 63, 100 and 160mm Gauges
Glycerine available

Rating.

Rated to IP67

Accuracy.

Comply with accuracy requirements of AS1349 & BS1780
63mm: +/- 1.6% of span
100mm: +/- 1.0% of span
160mm: +/- 1.0% of span

System Accuracy.

Better than 1.6% of span. 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.