

Chemical Seal Gauges

Screwed Attachment



Process Connections:

1/4"

3/8"

1/2"

All of these are available in BSP or NPT.

Ranges available:

The ranges that can be supplied vary from vacuum (30"hg) to a maximum of 2,000 PSI & BAR.

Extras:

Glycerine-filled head,

Electrical contacts and remote readings.

Also, wetted parts can be PTFE coated on request.

Transmission Remote Reading.

Flange Attachment



Ranges available:

The ranges that can be supplied vary from vacuum (30"hg) to a maximum of 2,000 PSI & BAR.

Extras:

Glycerine-filled head,

Electrical contacts and remote readings.

Also, wetted parts can be PTFE coated on request.

Transmission Remote Reading.

Stainless steel Schaffer Diaphragm Seal



Schaffer diaphragm gauges are used for the measurement of pressure with either gas or liquid. The fluids can be corrosive, polluted or highly viscous. For the measurement of highly viscous or crystallizing process fluids, a flange is used. Electrical contacts can be combined with the instruments for control functions.

A diaphragm gauge is used for the measurement of both vacuum and pressure. Ranges of 0 / 100 MBAR to 0 / 25 BAR (0 / 40 IN WG to 0 / 400 PSI).

Applications include: liquid level measurement, fuel pumps, storage tanks, generators, absorbers,

concrete filling systems, paint filter presses, irrigation and sludge pumps, trucks, sewage removal, road and mining machinery.

Atmospheric is used as the reference pressure. A convoluted diaphragm is clamped between two flanges. One side is deflected the diaphragm in proportion to the pressure. On the other side, a push rod is connected to a movement, which transfers the diaphragm deflection to a pointer on the dial.

Direct mounting bottom connection. Threaded or flanged.

-20°C to 60°C Ambient range. +100°C process fluid temperature.

Temperature adjustment 0.6% per 10°C. Reference temperature 20°C.

±1.6%FSD.

Case:	Aisi 304 stainless steel, bayonet locking.	Bezel:	Aisi 304 Stainless steel, polished weatherproof.
Window:	3mm, Glass	Dial:	Aluminium, White, Black figures.
Pointer:	Aluminium, black finish	Movement:	304 Stainless Steel.
Sizes:	4" and 6" (100,150mm)	Accuracy:	±1.6%
Sensor:	316 Stainless steel diaphragm (1 bar)	Chambers:	Upper-304 Stainless steel. Lower-316 Stainless steel.
Ranges:	-30"hg vacuum, -400 PSI pressure (-1 BAR vacuum, -25 BAR pressure)	Mounting:	Direct mounting bottom connection, threaded or flanged.

Bronze Schaffer Diaphragm Seal



Case:	Mild Steel Black Enamelled	Bezel:	Aisi 304 Stainless steel.
Window:	3mm, Glass	Dial:	Aluminium, White, Black figures.
Pointer:	Aluminium, black finish	Movement:	Bronze.
Sizes:	4" and 6" (100,150mm)	Accuracy:	±1.6%
Sensor:	Copper Diaphragm (1 bar)	Chambers:	Upper- Mild Steel, Black Enamelled. Lower- Bronze.
Ranges:	-30"hg vacuum, -400 PSI pressure (-1 BAR vacuum, -25 BAR pressure)	Mounting:	Direct mounting bottom connection, threaded or flanged.