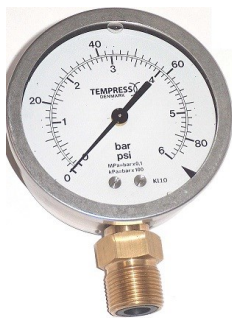


Bellow Diaphragm Seal
Seawater & salt resistant

Date: September 2012

No.: 1-590 GB



Bellow diaphragm seal – seawater and salt resistant

- Diaphragm of VITON
- Thread in salt resistant materials
- Seawater and salt resistant
- Works on both pressure gauges and transmitters
- Media temperature of up to 80°C(265°F)
- Ambient temperature of up to 60°C(140°F)
- Process connection ½” BSP
- Fits on all Tempress pressure gauges & transmitters
- Cost efficient
- Low weight

Pressure transmitter with diaphragm seal

TEMPRESS has come up with a solution for separating abrasive or crystallizing media from the measuring device.

The bellow is produced in a way that minimizes the seal resistance so even a pressure span of 0-250mbar can be handled without affecting the accuracy of the specific instrument.

The bellow is also able to handle pressures up to 1600 bar - without being damaged. The bellow seal can be mounted on any kind of pressure measuring equipment and will not extend the geometry to more than 40 mm of length.

The nipple is standard ½” BSP and the flat gasket is outside Ø 18 and inside Ø 12,5. Other connections are available on request. The Bellow diaphragm seal fits in to the unique **TEMPRESS** system of connectors and can therefore be applied on all our pressure gauges, transmitters and switches.

| Specifications | |
|---------------------|---------------------------------------------------------------------------------------|
| Type | Bellow diaphragm seal |
| Thread size | ½” BSP Others on request |
| Material | Seawater resistant brass Super duplex Titanium Hasteloy Others on request |
| Diaphragm | Viton |
| Measuring range - | |
| Minimum span | 0-250 mbar |
| Maximum span | 0-1600bar |
| Medium temperature | Up to 80° C |
| Ambient temperature | Up to 60° C |
| Accuracy | Class 1,0 (On pressure gauges) Class 0,5 (On pressure transmitters) |
| Measuring unit | Bar |

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