ASHCROFT®
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Diaphragm Seals

PIP #: DS-PI-18B

Applicable to:
Diaphragm Seals
187, 1188, 1189

ASHCROFT DIAPHRAGM SEALS ATTACHED TO TYPES 1187, 1188 AND 1189 BELLOWS GAUGES

Applications requiring diaphragm seals with bellows-actuated gauges (generally ranges less than 15 psi) require the use of a Viton or Kalrez diaphragm. Pressure instruments having such a range (Types 1187, 1188 and 1189 bellows gauges) normally have a high volumetric displacement requiring a diaphragm with low spring rate and high displacement capability.

The combination of low pressure and high displacement volume results in a very slow response time if a flexible line assembly or a capillary line is used between the instrument and the seal. We have, therefore, limited the sale of a diaphragm seal and Types 1187, 1188 and 1189 gauges to only directly connected assemblies.

There may be applications having low pressure ranges and low displacement volumes where a flexible line assembly is required and where it might be suitable. If you encounter such a requirement, give us all the particulars (instrument make, type number, range and volumetric displacement) so we can review and make a recommendation.

Note that due to the high viscosity of glycerin, it cannot be used when bellows gauges are ordered with diaphragm seals.



1187



1188



1189

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