Diaphragm Seals

Application
Process industry diaphragm seal to combine with Bourdon tube pressure gauges. Intended for corrosive, contaminated, hot or viscous pressure media.

Design
Body with flush diaphragm which requires system fill fluid to transmit pressure to the instrument.

Process Connection
1/2" NPT to 1" NPT

Instrument Connection
¼" or ½" NPT-female

Suitable Pressure Ranges (Glycerin KN7)
- DM 0.7" 2 ½" Gauge: 1500PSI to 9000PSI
  4 and 4 ½" Gauge: not available
- DM 0.9" 2 ½" Gauge: 160PSI to 9000PSI
  4 and 4 ½" Gauge: 1500PSI to 9000PSI
- DM 1.0" 2 ½" Gauge: 160PSI to 9000PSI
  4 and 4 ½" Gauge: 1000PSI to 9000PSI

Available Options (connections, materials, flushing ports, etc.)
See Selection Guide (over)

To determine the effects of temperature and response time in a specific application, contact the factory for an Application Questionnaire. The information provided will allow WIKA Technical Support to accurately model your application parameters using state-of-the-art computer simulation techniques.
Selection Guide - L990.36

L990.36, 1/4FX1/2M, SS, SS

Diaphragm Material (See note 4)
SS = 316 stainless steel
M0 = Monel® 400
HC = Hastelloy® C-276
Ti = Titanium, grade 2

Body Material (See note 4 & 5)
SS = 316 stainless steel
M0 = Monel® 400
HC = Hastelloy® C-276
Ti = Titanium, grade 2

Process Connection
1/2M = 1/2” NPT male
3/4M = 3/4” NPT male
1.0M = 1” NPT male
1.5M = 1-1/2” NPT male
2.0M = 2” NPT male
G1/2B = G1/2B male thread
G1.0B = G1B male thread
G1.5B = G1-1/2B male thread

Instrument Connection
1/4F = 1/4” NPT female
1/2F = 1/2” NPT female
G1/4 = G1/4 female
G1/2 = G1/2 female

Diaphragm Seal Design (Pressure rating – 9,000PSI)
L990.36 = Flush Diaphragm, male pipe thread (See note 2)

Notes
1. Available with G3/4B or G1B connection only. Minimum pressure range 1500 PSI. Running nut is 316 stainless steel.
2. Minimum pressure range 160 PSI depending on diaphragm size.
3. Minimum pressure range 1500 PSI.
4. Body and diaphragm must be the same material.
5. Upper housing is a process wetted component.

Items in bold are available from stock (subject to prior sales). For optional items, consult factory for current lead-time.

Options not listed may be available, please consult factory.
Fill Fluid & Mounting options: Please reference data sheet ACS 99.MO

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