Diaphragm-Type Diaphragm Seal
All Welded Diaphragm Threaded Diaphragm Seal
Type L990.34

Diaphragm Seals

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

Design
Upper and lower housing welded with Internal welded diaphragm, threaded process connection; requires hydraulic fluid to transmit pressure to instrument

Process Connection
¼” NPT to 1” NPT

Instrument Connection
Capillary, ¼” or ½” NPT-female

Suitable Pressure Ranges
2 ½” Gauge: 100PSI to 9000PSI
4 and 4 ½” Gauge: 400PSI to 9000PSI

Available Options (connections, materials, flushing ports, etc.)
See Selection Guide (over)
Selection Guide - L990.34

L990.34, 1/4X1/4F-0, SS, SS, SS

Diaphragm Material
SS = 316 stainless steel
MO = Monel® 400 (See note 2)
HC = Hastelloy® C-276

Lower Housing Material
SS = 316 stainless steel
MO = Monel® 400 (See note 2)
HC = Hastelloy® C-276

Upper Housing Material
SS = 316 stainless steel
MO = Monel® 400 (See note 2)
HC = Hastelloy® C-276

Flushing Connection (See note 1)
0 = None
1 = 1/8” NPT female
2 = 1/4” NPT female

Process Connection
1/4F = 1/4” NPT female
1/2F = 1/2” NPT female
1/4M = 1/4” NPT male
1/2M = 1/2” NPT male
3/4M = 3/4” NPT male
1.0M = 1” NPT male

Instrument Connection
1/4 = 1/4” NPT female
1/2 = 1/2” NPT female
CPL = Capillary connection (To weld capillary directly to seal)

Diaphragm Seal Design (Pressure rating – 9,000PSI)
L990.34 = All Welded Design

Notes
1. Customer to supply flushing plug.
2. Upper housing, diaphragm and lower housing must be the same material.

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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Ordering Information:
State computer part number (if available) / type number / size / range / connection size and location / options required.

Specifications given in this price list represent the state of engineering at the time of printing.
Modifications may take place and the specified materials may change without prior notice

05/01