



Diaphragm-Type Diaphragm Seal

High Pressure Threaded Diaphragm Seal

Type L990.14

Diaphragm Seals

Application

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

Design

Internal welded diaphragm with threaded process connection; requires hydraulic fluid to transmit pressure to instrument

Process Connection

1/4" to 1/2" NPT-female

Instrument Connection

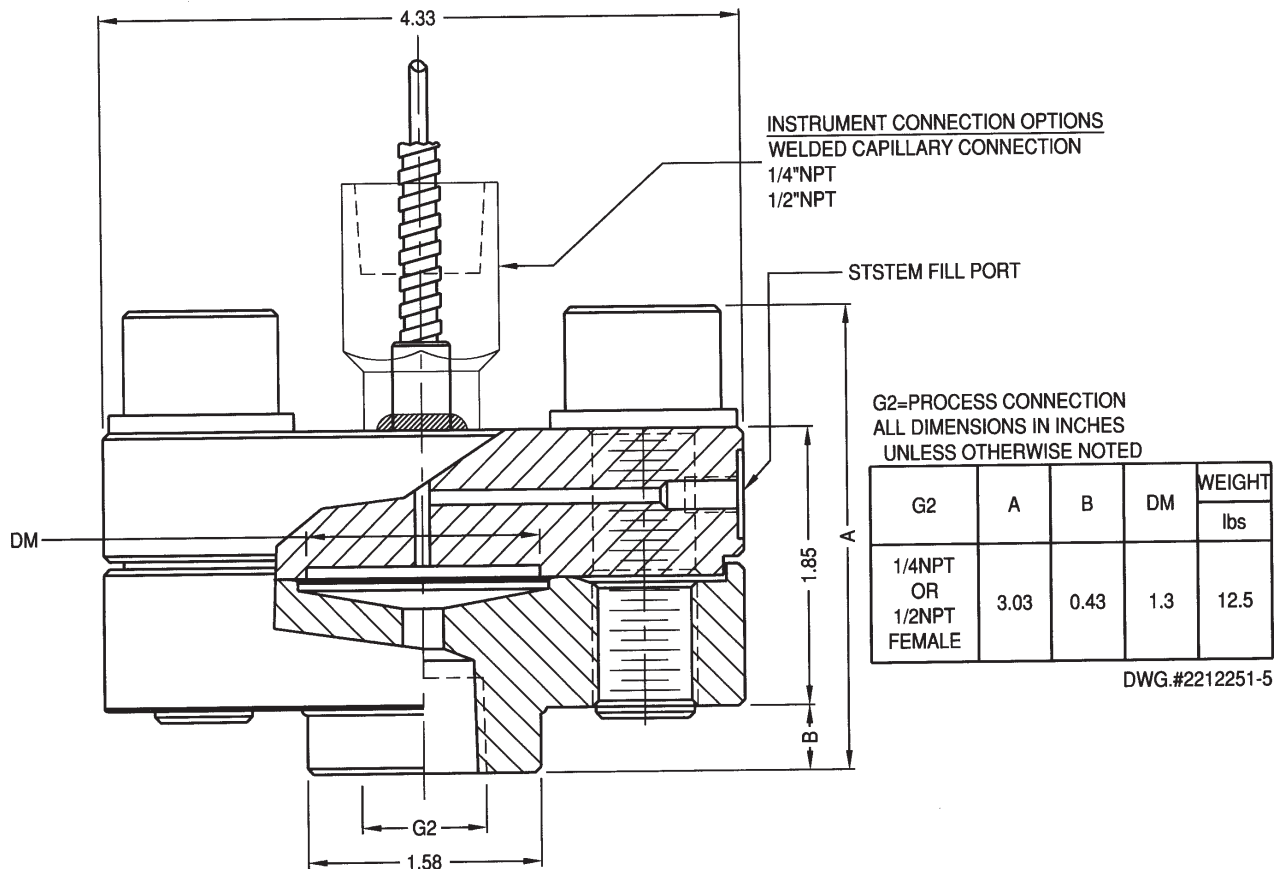
Capillary, 1/4" or 1/2" NPT-female

Suitable Pressure Ranges (MWP 9000PSI @250°F)

100 PSI to 9000 PSI (for lower ranges consult factory)

Available Options (connections, materials, 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.

ACS L990.14
(ACS 99.02)

Selection Guide - 990.14

L990.14,1/2X1/2F,SS,SS-0,CS,SS

Diaphragm Material (See note 3)

SS = 316 stainless steel
MO = Monel[®] 400
HB = Hastelloy[®] B-2
HC = Hastelloy[®] C-276
NI = Nickel 200

Bolting Material

CS = Carbon steel, zinc-plated
SS = 316 stainless steel

Flushing Connection

0 = None
1 = 1/8" NPT female
2 = 1/4" NPT female

Lower Housing Material

SS = 316 stainless steel
MO = Monel[®] 400
HB = Hastelloy[®] B-2
HC = Hastelloy[®] C-276
NI = Nickel 200

Upper Housing Material (See note 2)

SS = 316 stainless steel
MO = Monel[®] 400
HB = Hastelloy[®] B-2
HC = Hastelloy[®] C-276
NI = Nickel 200

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

Instrument Connection

1/4 = 1/4" NPT female
1/2 = 1/2" NPT female
CPL = Capillary connection (To weld capillary directly to seal, see note 1)

Diaphragm Seal Design

L990.14 = Welded Diaphragm, high pressure (Pressure rating up to 9000 PSI)

Notes

1. Available with a stainless steel or Hastelloy upper housing only.
2. Upper housing is a process wetted component.
3. Upper housing and diaphragm must be 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

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WIKAL Instrument Corporation

1000 Wiegand Boulevard

Lawrenceville, Georgia 30043-5868

Tel: 770-513-8200 Fax: 770-338-5118

http://www.wika.com e-mail: chemseal@wika.com