



Capsule-Type Diaphragm Seals

Threaded Diaphragm Seal Type L970.10

Diaphragm Seals

Application

Protects pressure instrument (Bourdon tube pressure gauge or transmitter) intended for high pressure. Suitable for corrosive, contaminated, hot or highly viscous and low to medium velocity media.

Design

Oval capsule probe diaphragm with internal support, threaded process connection; requires hydraulic fluid to transmit pressure to instrument.

Process Connection

½" to 1" NPT male

Instrument Connection

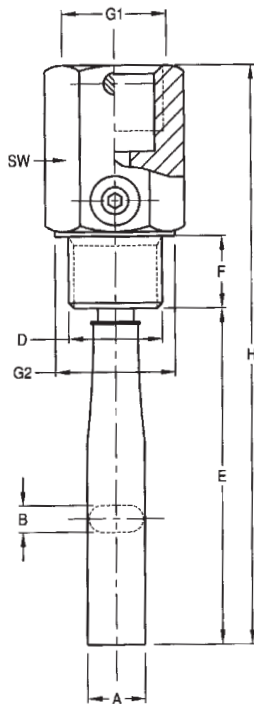
Capillary, ¼" or ½" NPT female

Suitable Pressure Ranges

100 PSI to 20,000 PSI

Available Options (connections, materials, etc.)

See Selection Guide (over)



SW: WRENCH SIZE
G1: INSTRUMENT CONNECTION
G2: PROCESS CONNECTION
ALL DIMENSIONS IN INCHES UNLESS OTHERWISE NOTED

SIZE	PRESSURE RATING (psi)	G1	G2	A	B	C	E	F	H	SW	WEIGHT
											lbs
3"	20,000	1/4NPT OR 1/2NPT	1/2NPT	0.51	0.24	1.10	2.95	0.79	4.92	1.18	0.56
4"	20,000		3/4NPT	0.70	0.28	1.38	3.94	0.86	6.02	1.18	0.89

DWG.#2212111-5

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.

ACSL970.10
(ACS 97.01)

Selection Guide - Type L970.10

Type L970.10, 1/4X1/2M, SS, SS, 3.0

Probe Length

3.0 = 3"

4.0 = 4"

Diaphragm Material

SS = 316 stainless steel

Upper Housing Material

SS = 316 stainless steel

Process Connection

1/2M = 1/2" NPT male (Probe length 3")

3/4M = 3/4" NPT male (Probe length 4")

1.0M = 1" NPT male (Probe length 4")

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 (MWP = 20,000 PSI)

Type L970.10 = Capsule Seal Design

Notes

1. Contact factory for available configurations.

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



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