



Diaphragm- Type Diaphragm Seals

Block Flange Diaphragm Seal

Type 910.19

Diaphragm Seals

Application

Protect pressure instrument from corrosive, contaminated or viscous media. Adapter flange for diaphragm seal to be welded into pipe.

Design

Internal welded diaphragm to fit into block flange; requires hydraulic fluid to transmit pressure to instrument

Process Connection

Butt weld, socket weld or flanged ends up to 2",

Instrument Connection

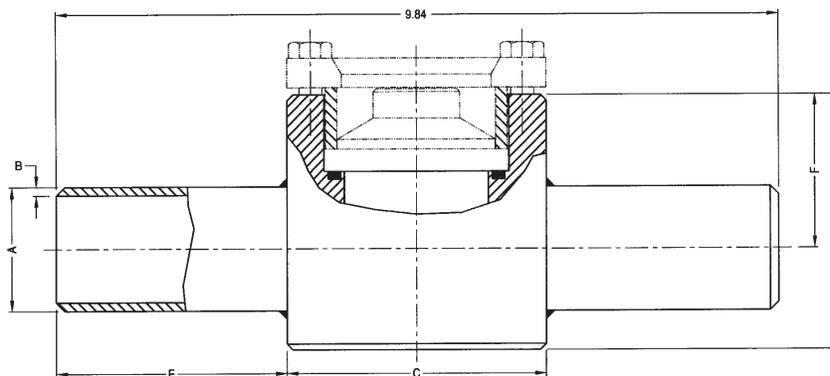
Capillary, 1/2" or 1/4" NPT-female

Suitable Pressure Ranges (MWP 2800 PSI @250°F)

15 PSI to 2800 PSI

Available Options (connections, materials, etc.)

See Selection Guide (over)



ALL DIMENSIONS IN INCHES UNLESS OTHERWISE NOTED

PIPE SIZE	PRESSURE RATING (psi) AT TEMPERATURE		A	B	C	E	F	H
	MAX 212°F	MAX 482°F						
1/2"	2800	2500	0.84	0.09	3.54	3.15	1.65	2.28
3/4"	2700	2400	1.06	0.10		3.15	1.75	2.60
1"	2200	1900	1.33	0.10		3.15	1.85	2.91
1-1/2"	1500	1300	1.90	0.10		3.15	2.19	3.15
2"	1200	1000	2.37	0.10		2.95	2.42	3.94

DWG.#9212382-5

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.

ACS 910.19
(ACS 91.01)

Selection Guide - 910.19

910.19,1/2FX1/2-BW,SS,SS,SS,SS,VI,NONE

Flange Rating (See note 3)

NONE = None
 150R = 150# raised face per ASME B16.5
 300R = 300# raised face per ASME B16.5
 600R = 600# raised face per ASME B16.5

Gasket Material

VI = Viton®
 TF = Teflon®
 NA = None

Diaphragm Material

SS = 316 stainless steel
 HC = Hastelloy® C-276
 MO = Monel® 400
 NA = None

Clamping Material (See note 2)

SS = 316 stainless steel
 NA = None

Block Flange Material

SS = 316 stainless steel
 HC = Hastelloy® C-276
 MO = Monel® 400
 NA = No block flange

Upper Housing Material

SS = 316 stainless steel
 CS = Carbon steel, nickel-plated
 NA = No upper housing

Connection Type

BW = Butt end welds
 SK = Socket weld (See note 1)
 NP = No pipes
 FL = Flanges
 NA = None

Piping Size

1/2 = 1/2" pipe
 3/4 = 3/4" pipe
 1.0 = 1" pipe
 1.5 = 1.5" pipe
 2.0 = 2" pipe

Instrument Connection

1/4F = 1/4" NPT female
 1/2F = 1/2" NPT female
 NONE = No instrument connection

Accessory Type

910.19 = Block Flange

Notes

1. Customer to specify pipe schedule.
2. Includes bolts and washers.
3. For use with flange connection type only.

*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.

THE MEASURE OF Total Performance™

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

03/07



WIKAI Instrument Corporation

1000 Wiegand Boulevard
 Lawrenceville, Georgia 30043-5868
 Tel: 770-513-8200 Fax: 770-338-5118
<http://www.wika.com> e-mail:diaphragmseal@wika.com