Diaphragm-Type Flange Seal Type L990.27

WIKA Data Sheet L990.27

Applications

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

Description

Design

Flange with integral diaphragm, which requires hydraulic fluid to transmit pressure to instrument.

Process Connection

2" to 4" per ASME/ANSI B16.5

Instrument Connection

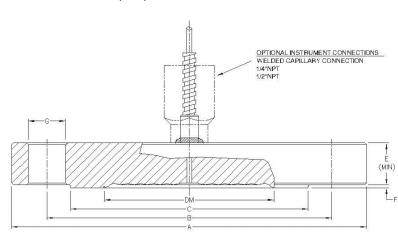
Capillary, 1/4" or 1/2" NPT-female

Suitable Pressure Ranges

10 inH2O to class 2500, depending on flange and diaphragm size and process conditions

Available Options (connections, materials, etc.)

See Selection Guide (over)





L990.27 Flange Seal

X=NUMBER OF BOLT HOLES
DN=NOMINAL PIPE SIZE
DM=EFFECTIVE DIAPHRAGM DIAMETER
CLASS=FLANCE RATING PER ASME B16.5

SIZE	CLASS	- 40-	В	_	DH	E	Е	^	v	WEIGH1
DN	CLASS	CLASS A	В	С	DM	E	F	G	Χ	lbs
1.5"	150	5.00	3.55	2.88	1.9	0.69	0.06	0.62	4	3.5
	300	6.12	4.50	2.88	1.9	0.81	0.06	88.0	4	5.5
	600	6.12	4.50	2.88	1.9	1.13	0.25	88.0	4	7.3
	1500	7.00	4.88	2.88	1.9	1.50	0.25	1.12	4	13.0
	2500	8.00	5.75	2.88	1.9	2.00	0.25	1.25	4	22.9
2"	150	6.00	4.75	3.62	2.4	0.75	0.06	0.75	4	5.9
	300	6.50	5.00	3.62	2.4	0.88	0.06	0.75	8	8.1
	500	6.50	5.00	3.62	2.4	1.25	0.25	0.75	8	12.5
	1500	8.50	6.50	3.62	2.4	1.75	0.25	1.00	8	29.0
	2500	9.25	6.75	3.62	2.4	2.25	0.25	1.12	В	43.6
3"	150	7.50	6.00	5.00	3.5	0.94	0.06	0.75	4	11.7
	300	8.25	6.62	5.00	3.5	1.12	0.06	0.88	8	17.2
	600	8.25	6.62	5.00	3.5	1.50	0.25	0.88	8	24.2
	900	9.50	7.50	5.00	3.5	1.75	0.25	1.00	8	36.7
	1500	10.53	8.00	5.00	3.5	2.13	0.25	1.25	8	53.9
	2500	12.01	9.00	5.00	3.5	2.87	0.25	1.38	В	93.9
4"	150	9.00	7.50	6.19	3.5	0.94	0.06	0.75	8	16.9
	300	10.04	7.88	6.19	3.5	1.25	0.06	0.88	8	27.9
	400	10.04	7.88	6.19	3.5	1.63	0.25	1.00	8	38.3
	600	10.83	8.50	6.19	3.5	1.75	0.25	1.00	8	47.3
	900	11.51	9.25	6.19	3.5	2.00	0.25	1.25	8	60.9
	1500	12.30	9.50	6.19	3.5	2.37	0.25	1.38	8	81.4
	2500	14.00	10.75	6.19	3.5	3.25	0.25	1.62	8	144.5

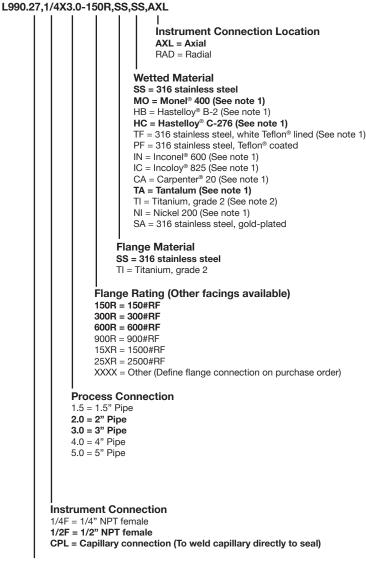
To determine the effects of temperature and response time in a specific application, contact the factory for an *Application Questionnaire*. The information provided will allow WIKA Technical Support to accurately model your application parameters using state-of-the-art computer simulation techniques.

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Selection Guide - Type L990.27



Diaphragm Seal Design Type L990.27 = Flanged Type, Flush Diaphragm

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 fluids & mounting options: please reference datasheet ACS 99.MO

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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1. Supplied with a smooth raised

2. When used with a stainless

steel flange, diaphragm is

bonded to flange (max. 300°F media temperature).

face finish

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