

Diaphragm Seals > Flanged Seals > 990.FA

Type 990.FA

The type 990.FA flanged seal is constructed of an upper and lower housing, two O-rings and a diaphragm. The clamped diaphragm provides a method of replacing only the diaphragm when damage or excessive wear occurs.



Standard Features

Pressure Rating, Maximum: 2,500 psi or maximum flange rating per ASME B16.5

Suitable Pressure Span, Minimum¹:

Gauge (Range²):

2½", ≥ 15 psi

4 or 4½", ≥ 15 psi

Pressure Transmitters³: ≥ 15 psi

Operating Temperature⁴: -130°F to 500°F (-90°C to 260°C)

Available Options

- Other materials
- Additional process connections, DIN, JIS
- Capillary tubing

Notes:

1. Typical values, dependant on pressure instrument and application
2. Includes compound ranges
3. Absolute pressure - check with factory
4. Can vary based on selection of materials, O-ring, assembly hardware and system fill fluid

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Type 990.FA

990.FA Smart Code Configuration		
Field no.	Code	
1	Process connection type	
	A	ASME B16.5
	?	Other - please specify
2	Process connection	
	SM05	1/2"
	SM07	3/4"
	SM10	1"
	SM15	1 1/2"
	SM20	2"
	????	Other - please specify
3	Nominal pressure rating	
	1	Class 150
	2	Class 300
	4	Class 600
	5	Class 900
	6	Class 1500
	?	Other - please specify
4	Sealing face style	
	1B	Raised Face 125 ... 250 RMS
	1F	Ring (Type) Joint (RTJ / RJF)
	SF	Raised Face Smooth Finish (RFSF) ¹
	??	Other - please specify
5	Upper housing material	
	CS	Carbon steel 1018 nickel-plated
	C2	316L SS (1.4435)
	??	Other - please specify
	Diaphragm material	
	C2	316L SS (1.4435)
	H3	Hastelloy® B2 (2.4617)
	H4	Hastelloy® B3 (2.4600)
	H2	Hastelloy® C276 (2.4819)
	M1	Monel® 400 (2.4360)
	I1	Inconel® 600 (2.4816)
	I2	Incoloy 825 (2.4858)
	TL	Tantalum
	NL	Nickel
	T1	Titanium grade 2 (3.7035)
C0	Carpenter 20	
VI	Viton® (FPM)-max. 400 °F	
CP	316L SS with PTFE-lining	
CF	316L SS with PFA-coating	
6	??	Other - please specify

990.FA Smart Code Configuration		
Field no.	Code	
7	Lower housing material	
	CS	Carbon steel 1018 nickel-plated
	C2	316L SS (1.4435)
	H3	Hastelloy® B3 (2.4617)
	H4	Hastelloy® B3 (2.4600)
	H2	Hastelloy® C276 (2.4819)
	M1	Monel® 400 (2.4360)
	I1	Inconel® 600 (2.4816)
	I2	Incoloy 825 (2.4858)
	AB	Tantalum lining ^{1,2}
	NL	Nickel
8	Gasket material	
	T1	Titanium grade 2 (3.7035)
	C0	Carpenter 20
	CW	316L SS with virgin PTFE-lining ^{1,2}
	SF	316L SS with PFA-coating ^{1,2}
7	??	Other - please specify
9	Fastening parts material (retainer flange & bolts)	
	N	BUNA-N (NBR) max. 212 °F
	V	Viton® (FPM) max. 400 °F
10	Flushing connection	
	P	Teflon® (PTFE) max. 500 °F
	?	Other - please specify
	G	Galvanized steel
	P	Stainless steel
10	Flushing connection	
	1	Without
	2	1 x 1/8" NPT female
	3	1 x 1/4" NPT female
	4	2 x 1/8" NPT female
	5	2 x 1/4" NPT female
10	?	Other - please specify

¹ RFSF sealing face required for lined/coated lower housings

² No Flushing ports available

*Additional order details _____

Order Code: 1 2 3 4 5 6 7 8 9 10

990.FA -

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