

FLUSHED FLANGE SEAL

MODEL
X6.05



PRODUCT DESCRIPTION

The flushing flange is used for flushing solution combined with diaphragm seals. This type of flushing flange is clamped between process nozzle and diaphragm seal. The reducer flange is used to mount a larger diaphragm seal to a smaller process connection.



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KEY FEATURES

- Laser welded Flushed Diaphragm
- Easy flushing
- Optional exotic materials
- Large volume type design
- Suitable for slurry and corrosive service

SPECIFICATIONS

Instrument Connection	: 1/2" BSP (F)
Process Connection	: Flange (1/2"...3" as ANSI B16.5)
Flange finish	: 125-250 AARH
Sealing Fluids	: Silicon DC 200
Range	: As per customer requirement
Process temperature	: -40...205°C

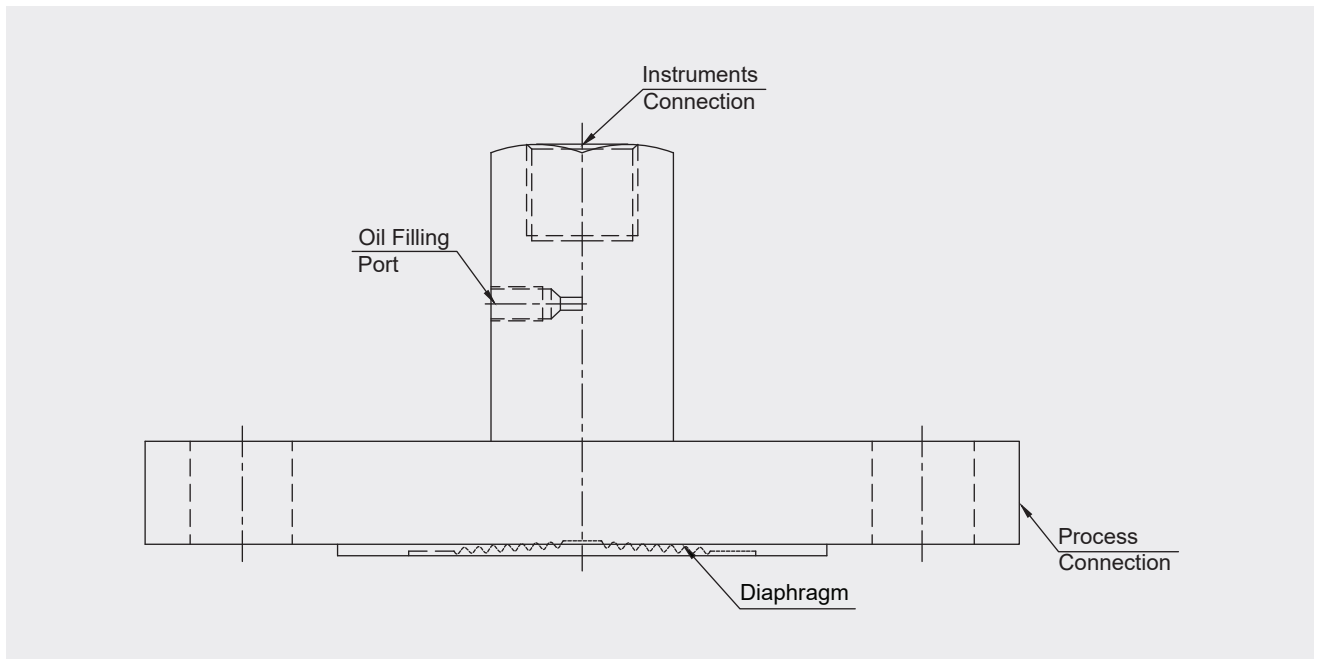
APPLICATION

- Separation systems
- Isolation Applications
- Viscous & corrosive media
- High-pressure / vibration areas

MATERIAL OF CONSTRUCTION

Flange	: SS 304 / SS 316
Top chamber	: SS 304
Wetted Parts & Diaphragm	: SS 316 / SS316L / Monel 400 / Tantalum / Titanium / Inconel
Surface finish	: 63 AARH / 125...250 AARH 250...500 AARH

DIMENSIONAL DRAWINGS



Important Notes: Above drawings are not to scale. All Dimension are in mm

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MODEL CODING & ORDERING INFORMATION

DESCRIPTION	CODE	X6.05	XXX	IT	FC	A15	SL	L2	12NM	XXX	S4	S6
Model Flushed Flange Seal	X6.05	X6.05										
Range As per customer requirement	XXX		XXX									
Assembly Integral Type	IT			IT								
Capillary Type	CT											
Version Flanged Chamber	FC				FC							
Inverted Chamber	IC											
Loose Flange & Chamber	LF											
Flange material ASTM A105	A15					A15						
SS 304	S4											
SS 316	S6											
SS 316L	SL											
SS 316 / SS 316L	DC											
Duplex SS 2205	DU											
Monel 400	M4											
Hast C-276	HC											
Titanium	TI											
Tantalum	TA											
Diaphragm SS 316L	SL						SL					
Monel 400	M4											
Hast C-276	HC											
Inconel 625	I5											
Inconel 825	I2											
Duplex SS 2205	DU											
Titanium	TI											
Tantalum	TA											
Filling Fluid Silicon DC200 (-45° to 205°C)	L1											
Silicon DC200 (-45° to 205°C)	L2							L2				
Silicon DC704 (10° to 337°C)	L3											
Silicon DC710 (-40° to 371°C)	L4											
Food Grade Oil (-20° to 140°C)	L5											
Syltherm 800 (-40° to 315°C)	L6											
Syltherm XLT (-100° to 260°C)	L7											
Halocarbon Oil	L8											
Fluorolube 4.2 (-45° to 175°C)	L9											
Fluorolube 6.3 (-40° to 235°C)	L10											
Instrument Connection ½" NPT (M)	12NM								12NM			
¼" NPT (M)	14NM											
½" BSP (F)	12BF											
½" NPT (F)	12NF											
¼" NPT (F)	14NF											
Process Connection Ref Table '1'	XXX									XXX		
Capillary SS 304	S4										S4	
SS 316	S6											
None	XX											
Armour SS 304	S4											
SS 316	S6											S6
PVC	PV											
None	XX											

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MODEL CODING & ORDERING INFORMATION

DESCRIPTION	XXX	X17
Capillary Length 1 M up to 5 M	XXX	
Other Options		X17
Material Test Certificate	X17	
Tested to NACE Standard	X20	
Helium Leak Test	X22	
PTFP Coating	X33	
Gold plating on diaphragm	X92	

Table No.1

AS PER DIN 2642:

DN	PN	CODE	DN	PN	CODE	DN	PN	CODE
10	10	A90	10	16	A81	10	40	A99
15		A91	15		A82	15		B01
20		A92	20		A83	20		B02
25		A93	25		A84	25		B03
32		A94	32		A85	32		B04
40		A95	40		A86	40		B05
50		A96	50		A87	50		B06
65		A97	65		A88	65		B07
80		A98	80		A89	80		B08

AS PER ANSI B 16.5

NOMINAL SIZE	RATING/ CLASS	CODE	NOMINAL SIZE	RATING/ CLASS	CODE	NOMINAL SIZE	RATING/ CLASS	CODE	NOMINAL SIZE	RATING/ CLASS	CODE
1/2"	150	B09	1"	150	B21	1 1/2"	150	B33	2 1/2"	150	B45
	300	B10		300	B22		300	B34		300	B46
	600	B11		600	B23		600	B35		600	B47
	900	B12		900	B24		900	B36		900	B48
	1500	B13		1500	B25		1500	B37		1500	B49
	2500	B14		2500	B26		2500	B38		2500	B50
3/4"	150	B15	1 1/4"	150	B27	2"	150	B39	3"	150	B51
	300	B16		300	B28		300	B40		300	B52
	600	B17		600	B29		600	B41		600	B53
	900	B18		900	B30		900	B42		900	B54
	1500	B19		1500	B31		1500	B43		1500	B55
	2500	B20		2500	B32		2500	B44		2500	B56

SAMPLE ORDERING CODE:

X6.05-XXX.IT.FC.A15.SL.L2.12NM.XXX.S4.S6.XXX.X17

Note: Specifications and dimensions given in this product catalogue represents the state of engineering at the time of printing. Modifications may take place and material specified may be replaced by others without prior notice