

DIRECT FLANGED FLUSHED TYPE DIAPHRAGM SEAL

Special Features:

- Welded Diaphragm
- Flush Diaphragm Provided
- Easy Flushing
- Most Suitable For Slurry & Corrosive Service

Applications:

Diaphragm seals are provided in the instruments like Pressure gauges, switches, transmitters in order to Isolate the sensing element from the main service due To its corrosive, viscous and sedimented nature and to Avoid clogging and solidification. These kind of seals Are widely used in the viscous & corrosive services Where flushing is required periodically & frequently.



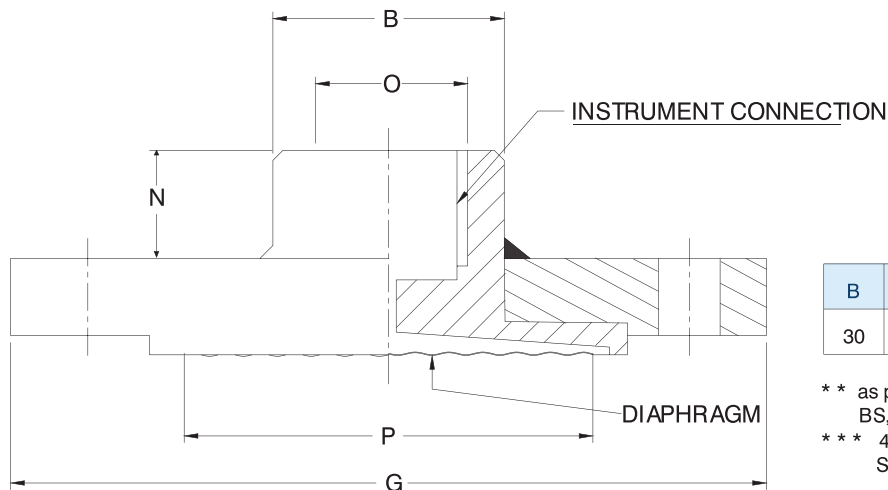
Specifications:

(For Flange Size 1 1/4" And Above)

Range	: -1 kg/cm ² to 60 kg/cm ²
Process temperature	: -40 °C to 200 °C or as per fill fluid
Instrument Connection	: 1/4" BSP (F)
Process Connection	: Flange(as per DIN/BS/ANSI/JIS) Finish 125-250 AARH 32NB(1 1/4) to 80NB(3") (as required)

Diaphragm	: AISI 316L SS
Seal Chamber	: AISI 316 SS
Fill Fluid	: Silicon Oil - DC 200

Dimensions:



B	G	N	O	P
30	**	20	3/8" BSP(F)	***

** as per standard flange table ANSI, DIN, BS, JIS Etc.,

*** 40 / 53 / 63 / 70 mm DIA. DIAPHRAGM TO SUIT FLANGE

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⚙️ FLANG CONNECTION CODE:

AS PER DIN 2527

DN	PN	CODE
32	6	A36
	10	A37
	16	A38
	25	A39
	40	A40
40	6	A41
	10	A42
	16	A43
	25	A44
	40	A45
	64	A46
	100	A47
	160	A48
	250	A49
50	400	A50
	6	A51
	10	A52
	16	A53
	25	A54
	40	A55
	64	A56
	100	A57
	160	A58
	250	A59
	400	A60

DN	PN	CODE
65	6	A61
	10	A62
	16	A63
	25	A64
	40	A65
	64	A66
	100	A67
	160	A68
	250	A69
80	400	A70
	6	A71
	10	A72
	16	A73
	25	A74
	40	A75
	64	A76
	100	A77
	160	A78
	250	A79
	400	A80

AS PER ANSI B 16.5

NOMINAL SIZE	RATING /CLASS	CODE
1 1/2"	150	B33
	300	B34
	600	B35
	900	B36
	1500	B37
	2500	B38
2"	150	B39
	300	B40
	600	B41
	900	B42
	1500	B43
	2500	B44

NOMINAL SIZE	RATING /CLASS	CODE
2 1/2"	150	B45
	300	B46
	600	B47
	900	B48
	1500	B49
	2500	B50
3"	150	B51
	300	B52
	600	B53
	900	B54
	1500	B55
	2500	B56

AS PER JIS - B 2210

NOMINAL SIZE	RATING /CLASS	CODE
32A	5K	B69
	10K	B70
	40K	B71
40A	5K	B72
	10K	B73
	40K	B74

NOMINAL SIZE	RATING /CLASS	CODE
50A	5K	B75
	10K	B76
	40K	B77
65A	5K	B78
	10K	B79
	40K	B80
80A	5K	B81
	10K	B82
	40K	B83

AS PER DIN 2642

DN	PN	CODE
32	10	A94
40		A95
50		A96
65		A97
80		A98

AS PER DIN 2633

DN	PN	CODE
32	16	A85
40		A86
50		A87
65		A88
80		A89

AS PER BS - 10-

NOMINAL SIZE	TABLE	CODE
1 1/2"	D	C09
	E	C10
	F	C11
	H	C12
	J	C13
	K	C14
	D	C15
2"	E	C16
	F	C17
	H	C18
	J	C19
	K	C20

NOMINAL SIZE	TABLE	CODE
2 1/2"	D	C21
	E	C22
	F	C23
	H	C24
	J	C25
	K	C26
3"	D	C27
	E	C28
	F	C29
	H	C30
	J	C31
	K	C32

AS PER DIN 2635

DN	PN	CODE
32	40	B04
40		B05
50		B06
65		B07
80		B08



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HOW TO ORDER

OPTIONS:

SFF

FOR NON STANDARD PRODUCTS/OPTIONAL ITEMS, PLEASE CONTACT FACTORY FOR DELIVERY AND MINIMUM QUANTITY OF ORDER

DIAPHRAGM:

S6L

S6L AISI 316L SS

INSTRUMENT CONNECTION:

15B

15B 1/2" BSP(F)	06B 1/4" BSP(F)	06N 1/4" NPT (F)
15N 1/2" NPT (F)	10N 3/8" NPT(F)	10B 3/8 BSP (F)

PROCESS CONNECTION:

B33

As Per Din / BS / ANSI/ JIS (Select Code From Table)

FLUSHING RING:

VF

VG Flushing Ring With 1/2"NPT PLUG (AISI 304 SS)	VE Flushing Ring With 1/4"NPT PLUG (AISI 304 SS)
VD Flushing Ring With 1/2"NPT PLUG (AISI 316 SS)	VF Flushing Ring With 1/4"NPT PLUG (AISI 316 SS) Std

FILLING FLUIDS:

UX

US Flurolube 4.2 (-45 TO 175°C / -49 TO 374°F)	UY Silicon DC 704 (0TO 315°C / 32 TO 599°F)
UT Flurolube 6.3 (-40 TO 235°C / -40 TO 455°F)	UZ Silicon DC 710 (5TO 345°C / 41 TO 653°F)
UU Flurolube FS5 (-40 TO 150°C / -40 TO 302°F)	VA Syltherm 800 (-45 TO 205°C / -49 TO 401°F)
UV Flurolube FS5 (-40 TO 150°C / -40 TO 302°F)	VB Syltherm XLT (-75 TO 150°C / -102 TO 302°F)
UX Flurolube DC 200-10CS (-40 TO 205°C / -40 TO 401°F)	VC Halocarbon Oil

PROTECTION ON WETTED PARTS

VV

VV PTFE Protection Ion for Diaphragm & Raised Face

FLANGE MATERIAL:

TN

S4 AISI 304 SS	CS CARBON STEEL	TN TITANIUM
S6L AISI 316L SS	ML MONEL	HC HASTELLOY C S6 AISI 316 SS

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 TYPE:	A1
A0 WITHOUT CAPILLARY A1 WITH CAPILLARY	
 CAPILLARY:	PE
PE AISI 304 SS PG AISI 316 SS	
 CAPILLARY COVERED WITH ARMOUR:	PF
PF AISI 304 SS PH AISI 316 SS PI PVC	
 CAPILLARY LENGTH(Max up to 2Mtrs.)	1Mtr.
IN METERS (e.g. 1.5 = 1.5 METERS 2.0 = 2 METERS)	
 OTHER OPTIONS:	TB
TB HELIUM LEAK TEST TC DRY SEAL ONLY WITHOUT INSTRUMENT	
Ordering Example: SFF - S6L - 15B - B33 - VF - UX - VV - TN - A1 - PE - PF - 1mtr - TB	