

FLANGE - "I" SECTION TYPE DIAPHRAGM SEAL

Special Features:

- Continuous Duty
- Section Extension To Facilitate Smaller Flanged Connection
- Ideal For General Purpose Application
- Suitable For Anti Corrosive Protection

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. This can be widely used with anti corrosive Treatment/protection & various flanged sizes.



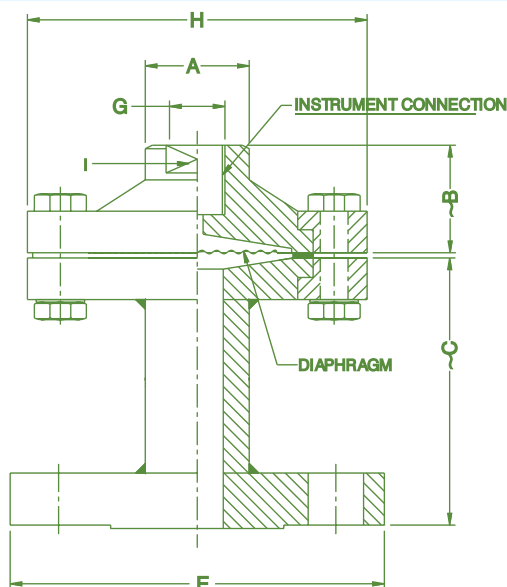
Specifications:

(PREFERABLE FOR FLANGE SIZE 1" AND BELOW)

Range	: -1 kg/cm ² to 400 kg/cm ²
Process temperature	: - 20° C to 200 ° C for PTFE lined - 40°C to 345°C for without PTFE lined
Instrument Connection	: 3/8" BSP (F)
Process Connection	: Flange (as per DIN/BS/ANSI/JIS) Finish 125 - 250 AARH
Fill Fluid	: Silicon Oil - DC 200 upto -40 to 200°C

Diaphragm	: AISI 316L SS
Top Chamber	: AISI 304 SS
"I" Section (Bottom Chamber)	: AISI 316 SS Flange (as per DIN/BS/ANSI/JIS)
Nuts / Bolts	: Carbon Steel Nickel Plated
Gasket	: PTFE (upto 200°C)/Metal Seal (upto 350°C)
Slip Ring	: Steel chrome plated / black powder coated

Dimensions:



Ranges	A	~ B	~ C	E	H	G	I
-1 to 60 kg/cm ²	30	31	75	*	98	3/8" BSP(F)	A/F 25
100 to 400 kg/cm ²	30	31	75	*	78	3/8" BSP(F)	A/F 25

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

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FLANG CONNECTION CODE:

AS PER DIN 2527

DN	PN	CODE
10	6	A01
	10	A02
	16	A03
	25	A04
	40	A05
	64	A06
	100	A07
	160	A08
	250	A09
	400	A10
15	6	A11
	10	A12
	16	A13
	25	A14
	40	A15
	64	A16
	100	A17
	160	A18
	250	A19
	400	A20
20	6	A21
	10	A22
	16	A23
	25	A24
	40	A25
25	6	A26
	10	A27
	16	A28
	25	A29
	40	A30
	64	A31
	100	A32
	160	A33
	250	A34
	400	A35

AS PER DIN 2633

DN	PN	CODE
10	16	A81
15		A82
20		A83
25		A84

AS PER DIN 2635

DN	PN	CODE
10	40	A99
15		B01
20		B02
25		B03

AS PER DIN 2642

DN	PN	CODE
10	10	A90
15		A91
20		A92
25		A93

AS PER ANSI B 16.5

NOMINAL SIZE	RATING /CLASS	CODE
1/2"	150	B09
	300	B10
	600	B11
	900	B12
	1500	B13
	2500	B14
3/4"	150	B15
	300	B16
	600	B17
	900	B18
	1500	B19
	2500	B20

AS PER JIS - B 2210

NOMINAL SIZE	RATING /CLASS	CODE
10A	5K	B57
	10K	B58
	40K	B59
15A	5K	B60
	10K	B61
	40K	B62
20A	5K	B63
	10K	B64
	40K	B65

AS PER BS - 10

NOMINAL SIZE	TABLE	CODE
1/2"	D	B84
	E	B85
	F	B86
	H	B87
	J	B88
	K	B89
3/4"	D	B90
	E	B91
	F	B92
	H	B93
	J	B94
	K	B95

NOMINAL SIZE	RATING /CLASS	CODE
1"	150	B21
	300	B22
	600	B23
	900	B24
	1500	B25
	2500	B26

NOMINAL SIZE	RATING /CLASS	CODE
25A	5K	B66
	10K	B67
	40K	B68

NOMINAL SIZE	TABLE	CODE
1"	D	B96
	E	B97
	F	B98
	H	B99
	J	C01
	K	C02



FLANGE - "I" SECTION TYPE DIAPHRAGM SEAL

HOW TO ORDER

OPTIONS:

SIF

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

TOP CHAMBER:

CS

S6L AISI 316L SS

S6 AISI 316 SS

S4 AISI 304 SS

CS CARBON STEEL

DIAPHRAGM:

TL

KE PTFE

NI NICKEL

TN TITANIUM

HC HASTELLOY 'C

CS CARBON STEEL

S6L AISI 316L SS

ML MONEL

TL TANTALUM

GASKET:

VI

VR METAL

VI PTFE

TENSION FLANGE & NUT - BOLTS:

M3

S4 AISI 304 SS

S6 AISI 316 SS

M3 NICKEL PLATED MILD STEEL

FLUSHING RING:

VF

VG FLUSHING RING WITH 1/2"NPT PLUG (AISI 304 SS)

VD FLUSHING RING WITH 1/2"NPT PLUG (AISI 316 SS)

VE FLUSHING RING WITH 1/4"NPT PLUG (AISI 304 SS)

VF FLUSHING RING WITH 1/4"NPT PLUG (AISI 316 SS) Std

BOTTOM CHAMBER:

S6

S4 AISI 304 SS

CS CARBON STEEL

PV PVC

S6 AISI 316 SS

S6L AISI 316L SS

PB POLYPROPELENE

PF PVDF

INSTRUMENT CONNECTION:

10B

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:

B11

AS PER DIN / BS / ANSI/ JIS(SELECT CODE FROM TABLE)

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⚙️ FILLING FLUIDS:

UX

US	FLUROLUBE 4.2 (-45 TO 175°C / -49 TO 374°F)	UY	SILICON DC 704 (0 TO 315°C / 32 TO 599°F)
UT	FLUROLUBE 6.3 (-40 TO 235°C / -40 TO 455°F)	UZ	SILICON DC 710 (5 TO 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	SILICON DC 200-10CS (-40 TO 205°C / -40 TO 401°F)	VC	HALOCARBON OIL

⚙️ PROTECTION ON WETTED PARTS:

VV

VS	PTFE Lining On Bottom Chamber(I Section)- 2mm Thick
VZ	PTFE Coating On Diaphragm
VV	PTFE Protection For Diaphragm

⚙️ TYPE:

A1

A0	Without Capillary	A1	With Capillary
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⚙️ CAPILLARY:

PE

PE	AISI 304 SS	PG	AISI 316 SS
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⚙️ CAPILLARY COVERED WITH ARMOUR:

PF

PF	AISI 304 SS	PH	AISI 316 SS	PI	PVC
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⚙️ CAPILLARY LENGTH(Max up to 6Mtrs.)

3Mtr.

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
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Ordering Example: SIF - CS - S6L - VI - M3 - VF -S6 - 10BP - B11 - UX - VV - A1 - PE - PF - 3Mtr - TB