

DIAPHRAGM SEAL DIRECT FLANGED FLUSHED TYPE

DSFF

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.

Special Features :

- ★ Welded Diaphragm
- ★ Flush Diaphragm Provided
- ★ Easy Flushing
- ★ Most Suitable For Slurry & Corrosive Service
- ★ Std version compatible with Delta model IP for NS 100 & 150mm



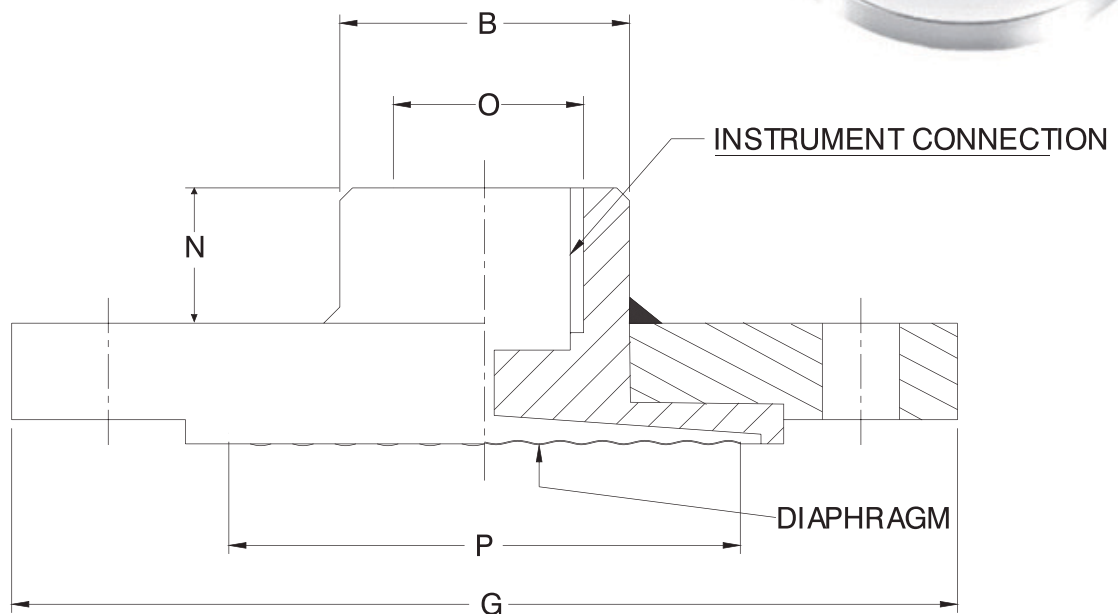
Specifications

(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



Dimension :



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

All Dimensions are in mm, Drawings are not to scale

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
	400	A50
50	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
	400	A70
80	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
2"	D	C15
	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

HOW TO ORDER

OPTIONS:

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

DSFF

DIAPHRAGM:

S6L AISI 316L SS

S6L

RANGE TABLE

Note: Delta offers National / International Scales like kPa, MPa, bar, psi, kg/cm² & Dual Scale like kPa with psi, kPa with bar, bar with psi or Equivalent scales as per the requirement can be provided on request. Following are the example tables for kg/cm² psi scales.

PRESSURE RANGE

SINGLE SCALE - kg/cm²

0/0.6	0/1	0/2.5	0/6	0/16
	0/1.6	0/4	0/10	0/25

DUAL SCALE (kg/cm² With PSI)

PSI	kg/cm ²	PSI	kg/cm ²	PSI	kg/cm ²
0/15	1	0/60	4	0/200	14
0/30	2	0/100	7	0/300	21
0/50	3.5	0/150	10	0/350	25

VACUUM & COMPOUND RANGE

SINGLE SCALE - kg/cm²

-1/0.6	-1/1.5	-1/3	-1/5	-1/9
-1/15	-1/24			

DUAL SCALE

inHg with PSI	mmHg with kg/cm ²	inHg with PSI	mmHg with kg/cm ²	inHg with PSI	mmHg with kg/cm ²
-30/0	-760/0	-30/60	-760/3	-30/200	-760/15
-30/15	-760/1	-30/100	-760/6	-30/300	-760/20
-30/30	-760/2	-30/150	-760/9	-30/340	-760/24

Notes: • Other Scale are available on customer request Please specify.

ACCESSORIES †

ET GAUGE COCK	EG SNUBBER
* NEEDLE VALVE	EH SIPHON

† Refer Datasheet for complete specifications * Refer catalogue for Valves & Manifolds

INSTRUMENT CONNECTION:

15B

15B ½" BSP(F)	06B 1/4" BSP(F)	06N 1/4" NPT (F)
15N ½" 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:

US

- US FLUROLUBE 4.2 [-45 TO 175 °C / -49 TO 374° F]
- UT FLUROLUBE 6.3 [-40 TO 235°C / -40 TO 455° F]
- UU FLUROLUBE FS5 [-40 TO 150°C / -40 TO 302°F]
- UV FLUROLUBE FS5 [-40 TO 150°C / -40 TO 302°F]
- UX SILICON DC 200-10CS [-40 TO 205°C / -40 TO 401F]
- UY SILICON DC 704 [0 TO 315°C / 32 TO 599° F]
- UZ FLUROLUBE 6.3 [-40 TO 235°C / -40 TO 455° F]

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

TYPE:

- A0 WITHOUT CAPILLARY A1 WITH CAPILLARY

A1

CAPILLARY:

- AISI 304 SS PG AISI 316 SS

PE

CAPILLARY COVERED WITH ARMOUR:

PF

- AISI 304 SS PH AISI 316 SS PI PVC

CAPILLARY LENGTH(Max up to 2Mtrs.)

IN METERS (e.g. 1.5 = 1.5 METERS 2.0 = 2 METERS)

1Mtr.