



Features

- Laser welded flush diaphragm
- Easy flushing (through flushing ring)
- Most suitable for slurry, corrosive & high viscous service
- Flushing ring , flange & diaphragm are available in various type of SS & exotic materials.

Applications

- Diaphragm Seals are provided in the Instruments like Pressure Gauges, Switches, Transmitters on 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.

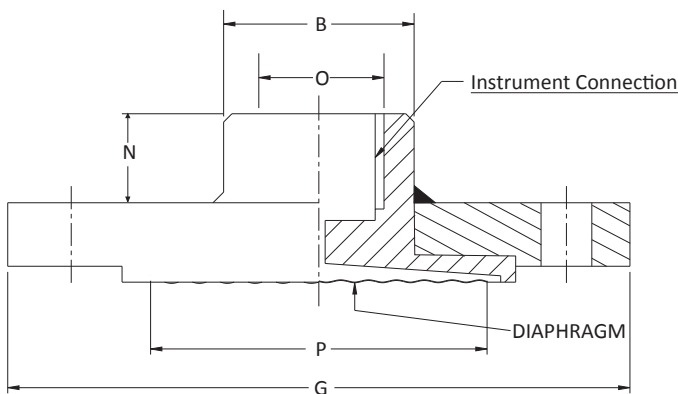
Specifications

Standard Version (For Flange Size 1½" And Above)
(Compatible Models : PPS, SFRP, SFPP, SFSS, SSL, DDT, SDT, ECHC, ECLC & SFTP)

Diaphragm	:	AISI 316L SS
Flange	:	AISI 316 SS
Fill Fluid	:	Silicon Oil - DC 200
Gasket	:	PTFE
Range	:	-1 kg/cm ² 0 & 0 to 250 kg/cm ² *
Process Temperature	:	-40°C to 200°C or as per fill fluid
Instrument Connection	:	½" BSP (F)
Process Connection	:	Flange (As per DIN/BS/ANSI/JIS), 40 NB (1½") & above
Flange Finish	:	125-250 AARH

* Range of selected instrument shall be suitable to flange pressure rating.

Dimensional Details



B	G	N	O	P
30	**	20	½" BSP(F)	***

** As per standard flange table ANSI, DIN, BS, JIS Etc.,
*** 40 / 53 / 63 / 70 mm Dia. Diaphragm to suit Flange

Notes : • Drawings are not to scale.
• All Dimensions are in mm.

Flange Table With Ordering Codes

How To Select			
E.g. For flange size of 1 1/2" as per BS-10 table E with raised face : C10 - A2			
Code	Type	Code	Type
A2	Raised Face	A3	Flat Face
Flange Finish shall be 125 - 250 AARH as a standard. For other finish, please consult factory.			

As per DIN 2527					
DN	PN	CODE	DN	PN	CODE
65	6	A41	65	6	A61
	10	A42		10	A62
	16	A43		16	A63
	25	A44		25	A64
	40	A45		40	A65
	64	A46		64	A66
	100	A47		100	A67
	160	A48		160	A68
	250	A49		250	A69
80	400	A50	400	A70	
	6	A51	80	6	A71
	10	A52		10	A72
	16	A53		16	A73
	25	A54		25	A74
	40	A55		40	A75
	64	A56		64	A76
	100	A57		100	A77
	160	A58		160	A78
	250	A59		250	A79
	400	A60		400	A80

As per DIN 2642		
DN	PN	CODE
40	10	A95
50		A96
65		A97
80		A98

As per DIN 2633		
DN	PN	CODE
40	16	A86
50		A87
65		A88
80		A89

As per DIN 2635		
DN	PN	CODE
40	40	B05
50		B06
65		B07
80		B08

As per JIS - B 2210		
NOMINAL SIZE	RATING /CLASS	CODE
40A	5K	B72
	10K	B73
	40K	B74

As per BS - 10		
NOMINAL SIZE	TABLE	CODE
1 1/2"	D	C09
	E	C10
	F	C11
	H	C12
	J	C13
2"	K	C14
	D	C15
	E	C16
	F	C17
	H	C18
	J	C19
	K	C20

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 ANSI B 16.5					
NOMINAL SIZE	RATING /CLASS	CODE	NOMINAL SIZE	RATING /CLASS	CODE
1 1/2"	150	B33	2 1/2"	150	B45
	300	B34		300	B46
	600	B35		600	B47
	900	B36		900	B48
	1500	B37		1500	B49
	2500	B38		2500	B50
2"	150	B39	3"	150	B51
	300	B40		300	B52
	600	B41		600	B53
	900	B42		900	B54
	1500	B43		1500	B55
	2500	B44		2500	B56

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

How To Order - Ordering Example: 7200DS: FFT.2BSF.SSL.SS.B39-RF.VS.UX.MTC

Basic Model		7200DS : FFT	
Code	Instrument Connection		
2NPF	½" NPT (F)	2BSF	½" BSP (F)(Standard)
38BSF	3/8" BSP (F)		
Code	Diaphragm	Code	Diaphragm
TLM	Tantalum	TTM	Titanium
HTLC	Hastelloy 'C'	MON	Monel
SSL	AISI 316L SS (Standard)		

It is recommended that the MOC of Diaphragm and Flange should be equivalent.

Code	Flange Material	Code	Flange Material	Code	Flange Material	Code	Flange Material
SS3	AISI 304 SS	CS	Carbon Steel	TTM	Titanium	TLM	Tantalum
SSL	AISI 316L SS	MON	Monel	HTLC	Hastelloy C	SS	AISI 316 SS (Standard)

Code	Process Connection
XX	As Per DIN / BS / ANSI / JIS (Select Code From Flange Table)

Code	Protection On Wetted Parts
VZ	PTFE Coating On Diaphragm (Max. Up to 315 °C)
VV	PTFE Protection For Diaphragm (Max. Up to 150 °C) (Suitable for Pressure Ranges only)

Code	Filling Fluids	(* Consult factory for specifications, price and delivery.)	
US	Flurolube 4.2 [-45 to 175 °C]	UY	Silicon DC 704 [10 to 337 °C]
UT	Flurolube 6.3 [-40 to 235 °C]	UZ	Silicon DC 710 [7 to 371 °C]
UU	Flurolube FS-5 [-28 to 148 °C]	VA	Syltherm 800 [-40 to 315 °C]
UV	Food Grade OIL [-20 to 140 OC]	VB	Syltherm XLT [-100 to 260 °C]
UX	Silicon DC 200 [-40 to 205 °C] (Standard)	VC	Halocarbon Oil*

Code	Remote Mounting (With capillary of Max. Up to 6 Mtrs.)
XX	Please Specify In Meters e.g. 1.5 = 1.5 METERS 2.0 = 2 METERS

Code	Capillary	Code	Capillary
SS3	AISI 304 SS	SS	AISI 316 SS

Code	Capillary Covered With Armour (Applicable with Capillary if selected)		
SS3	AISI 304 SS	SS	AISI 316 SS
PVC	PVC (Ambient Temp. Max. 60°C)		

Code	Options	Code	Options
HLT	Helium Leak Test	TC	Dry Seal Only Without Instrument
MTC	Material Test Certificates*	CN	Conformity as per NACE Standard

* Material test certificates will be provided for wetted parts only with chemical composition testing. For others, please consult factory. Refer datasheet FR for selection of flushing rings.