



Special Features

- Welded diaphragm
- Most suitable for slurry & corrosive service
- Flushing ring, flange & diaphragm are
- Available in various type of SS & exotic materials

Application

- 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

Standard Version (For Flange Size 1" And Above)

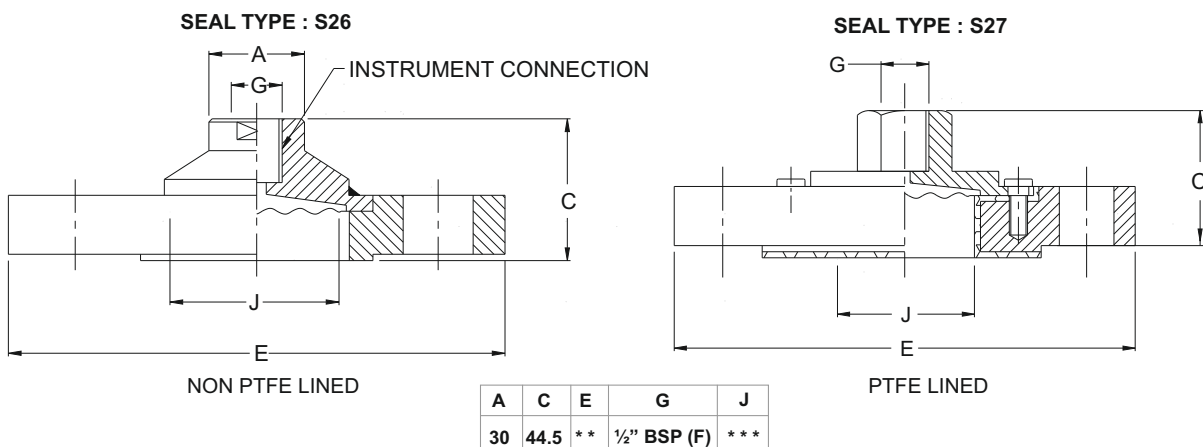
(Compatible Models : AC, AE, AH, AI, AL, AQ, BA, BE, BI, BJ & BT)

Seal type	:	S26 = -1 to 0 kg/cm ² & 0 to 250 kg/cm ² (Non PTFE Lined)*(Standard)
	:	S27 = -1 to 0 kg/cm ² & 0 to 40 kg/cm ² (PTFE Lined)*
Process temperature	:	Max. 150 °C for PTFE lined
	:	- 40 °C to 200 °C for without PTFE lined
Instrument connection	:	½" BSP (F)
Process connection	:	Flange(As per DIN/BS/ANSI/JIS), 25 NB(1") & above
Fill fluid	:	Silicon Oil - DC 200
Flange finish	:	125-250 AARH

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

Diaphragm	:	AISI 316L SS
Top chamber	:	AISI 304 SS
Flange	:	AISI 316 SS

Dimensions - Standard Version



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

*** Diaphragm Dia. to suit Flange

Flange Table With Ordering Codes

How To Select

E.g. For flange size of 1 1/2" 150# as per ANSI B 16.5 with raised face : B33 - A2

A2 Raised Face

A3 Flat Face

Flange Finish shall be 125 - 250 AARH as a standard. For other finish, please consult factory.

As Per EN 1092-1

DN	PN	CODE
25	6	A26
	10	A27
	16	A28
	25	A29
	40	A30
	64	A31
	100	A32
	160	A33
	250	A34
	400	A35
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 BS - 10

NOMINAL SIZE	TABLE	CODE
1"	D	B96
	E	B97
	F	B98
	H	B99
	J	C01
	K	C02
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 JIS - B 2239

NOMINAL SIZE	RATING /CLASS	CODE
25A	5K	B66
	10K	B67
	40K	B68
40A	5K	B72
	10K	B73
	40K	B74
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
1"	150	B21
	300	B22
	600	B23
	900	B24
	1500	B25
	2500	B26
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

How To Order				Example
Basic Model				DK
Code				
Optional Extras				
[It is recommended that the MOC of Diaphragm & flange should be equivalent.]				
Seal Type				XXX
S26 -1 to 0 kg/cm² & 0 to 250 kg/cm² (Non PTFE Lined) (Standard)*		S27 -1 to 0 kg/cm² & 0 to 40 kg/cm² (PTFE Lined)*		
* Range of selected instrument shall be suitable to flange pressure rating.				
Instrument Connection				XX
VM ½" NPT (F)	VL ½" BSP (F)(Standard)	VP 3/8" BSP (F)		
Top Chamber				
YA AISI 316L SS	YC Carbon Steel			XX
XY AISI 316 SS	XW AISI 304 SS (standard)			
Diaphragm (* For seal type S27 & Pressure Range 16 kg/cm² Max.) (# Range up to 21 kg/cm²)				XX
UQ Tantalum	UR Titanium	UP Silver#	KE PTFE*	
UL Hastelloy 'C'	UM Monel	UJ AISI 316L SS (Standard)		
Flange Material				XX
TK AISI 304 SS	TN Carbon Steel	UH Titanium	TM AISI 316 SS (standard)	
TL AISI 316L SS	TX Monel	TT Hastelloy C	UD Tantalum	
Process Connection				XXX
As Per DIN / BS / ANSI / JIS (select Code From Flange Table)				
Protection On Wetted Parts				
VS PTFE Lining On Bottom Chamber - 2 mm Thick (Max. Up to 150 °C)				XX
VV PTFE Protection For Diaphragm (Max. Up to 150 °C) (Suitable for Pressure Ranges only)				
VZ PTFE Coating On Diaphragm (Max. Up to 315 °C)				
Filling Fluids (* Consult factory for specifications, price and delivery.)				XX
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 °C]	VB Syltherm XLT [-100 to 260 °C]			
UX Silicon DC 200 [-40 to 205 °C] (Standard)	VC Halocarbon Oil*			
Remote Mounting (With capillary of Max. Up to 6 Mtrs.)				3Mtr.
Specify In Meters (e.g. 1.5 = 1.5 METERS 2.0 = 2 METERS)				
Capillary				
PE AISI 304 SS	PG AISI 316 SS			XX
Capillary Covered With Armour (applicable With PE Or PG If Selected)				XX
PF AISI 304 SS	PH AISI 316 SS	PI PVC (Ambient Temp. Max. 60°C)		
Options				XX
TB Helium Leak Test	TC Dry Seal Only Without Instrument	GH Material Test Certificates*		
TF 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 EE for selection of Flushing Rings.				
Ordering Example: DK . XXX . XX . XX . XX . XXX . XX . XX . 3mtr . XX . XX . XX				
For Other Optional Items, Please Contact Factory For Delivery And Minimum Quantity Of Order.				

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