



Features

- Laser welded diaphragm
- Suitable for slurry & high viscous service
- Easy to clean
- Flush fitment in pipeline
- 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 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

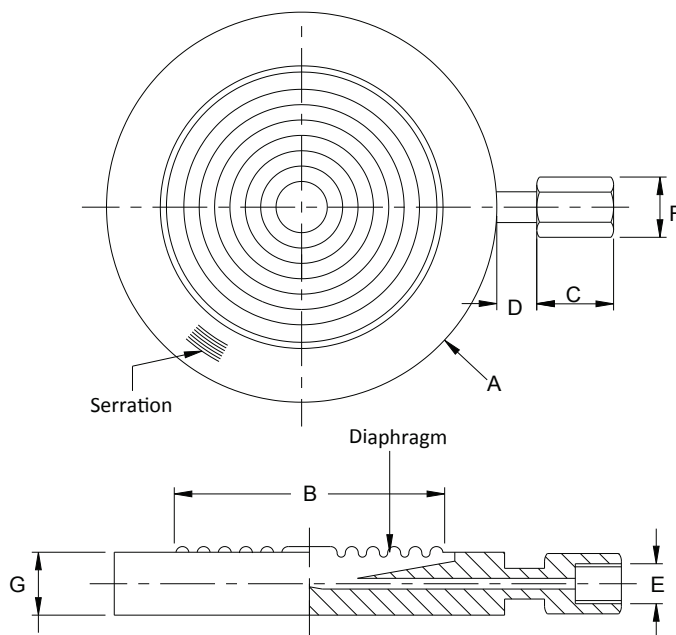
Standard Version

(Compatible models : SSPG, SFRP, SFPP, SFSS, SSL)

Diaphragm	:	AISI 316L SS
Pan Cake Body / Flange	:	AISI 316 SS
Fill Fluid	:	Silicon Oil - DC 200
Range	:	1 kg/cm ² to 160 kg/cm ² *
Process temperature	:	-40°C to 200°C or as per fill fluid
Instrument connection	:	1/4" NPT (F)
Process connection	:	Flange (As per ANSI/BS/DIN/JIS), Suitable for 2" & above
Flange finish	:	Finish 125-250 AARH

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

Dimensional Details



A	B	C	D	E	F	G
**	***	20	*	1/4" NPT(F)	17 HEX.	22

- * To suit flange raised face
- ** 2" & above Flanges as per ANSI, BS, DIN, JIS etc.
- *** Diaphragm size as per pressure range

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

Flange Table with Ordering Code

Code	Type	Code	Type
RF	Raised Face	FF	Flat Face

Flange Finish shall be 125 - 250 AARH as a standard. For other finish, please consult factory.
E.g. For flange size of 1 1/2" Class 150 with raised face : B09 - RF

As per DIN 2527						As per ANSI B 16.5			As per BS - 10			As per JIS - B 2210		
DN	PN	CODE	DN	PN	CODE	NOMINAL SIZE	RATING /CLASS	CODE	NOMINAL SIZE	TABLE	CODE	NOMINAL SIZE	RATING /CLASS	CODE
50	6	A51	80	6	A71	2"	150	B39	2"	D	C15	50A	5K	B75
	10	A52		10	A72		300	B40		E	C16		10K	B76
	16	A53		16	A73		600	B41		F	C17		40K	B77
	25	A54		25	A74		900	B42		H	C18	80A	5K	B81
	40	A55		40	A75		1500	B43		J	C19		10K	B82
	64	A56		64	A76		2500	B44		K	C20		40K	B83
	100	A57		100	A77		3"	150		B51	3"	D	C27	As per DIN 2633
	160	A58		160	A78	300		B52	E	C28		DN	PN	CODE
	250	A59		250	A79	600		B53	F	C29		50	16	A87
	400	A60		400	A80	900		B54	H	C30		80		A89
				1500	B55	J		C31						
				2500	B56	K	C32							
As per DIN 2642			As per DIN 2635											
DN	PN	CODE	DN	PN	CODE									
50	10	A96	50	40	B06									
80		A98	80		B08									

How To Order - Ordering Example: 7200DS: WT.SSL.ZR.4NPF.SS.VZ.UX.1m.SS.SS.MTC

Basic Model		7200DS : WT					
Code	Diaphragm	Code	Diaphragm	Code	Diaphragm	Code	Diaphragm
SSL	AISI 316L SS (Standard)	HTLC	Hastelloy 'C'	TTM	Titanium	I6	Inconel 600
MON	Monel	TLM	Tantalum	NIK	Nickel		
Code	Pan Cake Body / Flange (Suitable for 2" or 3" DIN/ANSI/BS/JIS Flanges)						
ZR	For 2" flange size - AISI 316L SS						
ZS	For 3" flange size - AISI 316L SS						
KH	For 2" flange SIZE - Hastelloy C						
KI	For 3" flange SIZE - Hastelloy C						
Code	Instrument Connection						
4BSF	1/4" BSP (F)						
4NPF	1/4" NPT (F) (Standard)						
38BSF	3/8" BSP (F)						
Code	Flange Material						
SS	AISI 316 SS (Standard)						
SSL	AISI 316L SS						
HTLC	Hastelloy C						
Code	Protection On Wetted Parts						
VZ	PTFE coating on diaphragm (Max. up to 315 °C)						

Series 7200DS : WT

Diaphragm Seal

Wafer (Pan Cake) type

WT

Code	Filling Fluids	(* Consult factory for specifications, price and delivery.)	
US	Fluorolube 4.2 [-45 to 175 °C]	UY	Silicon DC 704 [10 to 337 °C]
UT	Fluorolube 6.3 [-40 to 235 °C]	UZ	Silicon DC 710 [7 to 371 °C]
UU	Fluorolube 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*

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	Code	Options
HLT	Helium Leak Test	TC	Dry Seal Only Without Instrument	MTC	Material Test Certificates*

* 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.