



Special Features

- Diaphragm directly welded to top chamber
- Easy to clean
- Easy to change process connection / bottom chamber

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

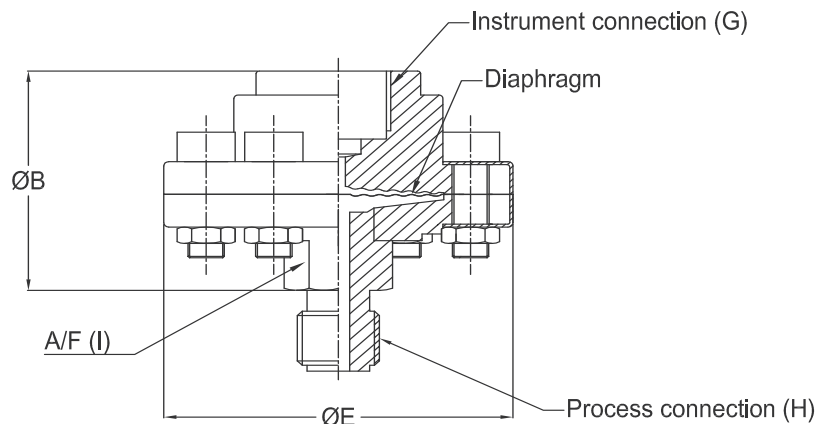
Standard Version

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

Seal type & Range	:	DT 1 = Above 40 bar to 160 bar
	:	DT 2 = -1 to 0 bar & 0 to 40 bar
Process temperature	:	-40°C to 200°C or as per fill fluid
Instrument connection	:	1/2" BSP (F)
Process connection	:	1/2" BSP (M)
Fill fluid	:	Silicon oil - DC 200
Mounting	:	Direct (without capillary)

Diaphragm	:	AISI 316L SS
Top chamber	:	AISI 304 SS
Bottom chamber	:	AISI 316 SS
Nuts / bolts	:	AISI 304 SS
Sealing gasket	:	PTFE
Tension flange (cup type)	:	AISI 304 SS

Dimensions



TYPE	E	B	I	G	H	WEIGHT
DT1	Ø85	66.0	A/F 23	1/2"BSP (F)	1/2"BSP (M)	1.20 kg
DT2	Ø85	58.0	A/F 23	1/2"BSP (F)	1/2"BSP (M)	1.10 kg

How To Order										Example	
Basic Model										DO	
Code											
Optional Extras [It is recommended that the MOC of Diaphragm should be equivalent or superior than the MOC of Bottom chamber.]											
Seal Type										XXX	
DT 1 = Above 40 bar to 160 bar					DT 2 = -1 to 0 bar & 0 to 40 bar						
Instrument Connection										XX	
VN	1/4" BSP(F)	VP	3/8" BSP (F)	VL	½" BSP (F)(Standard)	VM	½" NPT (F)	VO	1/4" NPT (F)		
Top Chamber										XX	
XW	AISI 304 SS (Standard)		YA	AISI 316L SS		XY	AISI 316 SS				
Diaphragm										XX	
UJ	AISI 316L (Standard)		UL	Hastelloy 'C'		UW	Inconel 600				
UM	Monel		UR	Titanium		UQ	Tantalum				
Sealing Gasket										XX	
VI	PTFE (Standard)		YR	Metal							
Bottom Chamber										XX	
TM	AISI 316 SS (Standard)		UD	Tantalum		UH	Titanium				
TL	AISI 316L SS		TT	Hastelloy 'C'		TX	Monel				
Process Connection										XX	
WY	1/4" NPT(M)		WT	3/8" BSP(M)		WR	M20 x 1.5(M)				
WA	½" NPT(M)		WU	½" BSP(M)(Standard)							
WK	¾" NPT(M)		WF	¾" BSP(M)							
Note : Other connections like metric/ PT/ PF/ G/ R etc can be provided on request. Please consult factory.										XX	
Tension Flange & Nut - Bolts (*Nut & Bolts will be AISI 304 SS)											
XX	AISI 316 L SS*	XT	Mild Steel (With Black Powder Coated)			XQ	AISI 304 SS (Standard)		XR		AISI 316 SS*
Protection on Wetted Parts (* With bore diameter 10 mm minimum & for connection size ½”& above only.)											
VS	PTFE Lining on bottom chamber - 2 mm thick (Max. up to 150 °C)*										
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)											
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*				
UY	Silicon DC 704 [10 to 337 °C]										
Remote Mounting (With capillary of max. up to 3 mtrs.)											3Mtr.
Specify in meters (e.g. 1.5 = 1.5 Meters 2.0 = 2 Meters)											
Capillary											XX
PE	AISI 304 SS		PG	AISI 316 SS							
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)				
Other 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.

Ordering Example: DO . XXX . XX . XX . XX . XX . XX . 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.