

SPECIAL FEATURES

- ROBUST TWO PIECE DESIGN
- THE DIAPHRAGM IS WELDED TO THE BODY TO ENSURE
- SEPARATION OF THE FILLING FLUID FROM THE PROCESS MEDIUM
- ALL SS CONSTRUCTION

APPLICATIONS

DIAPHRAGM SEALS ARE DESIGNED TO ISOLATE THE SENSING ELEMENT OF PRESSURE GAUGES AND PRESSURE SWITCHES FROM PROCESS FLUIDS THAT THEY MAY BE CORROSIVE, VISCOUS, SEDIMENTOUS AND / OR WITH A HIGH TEMPERATURE.



SPECIFICATIONS

STANDARD VERSION

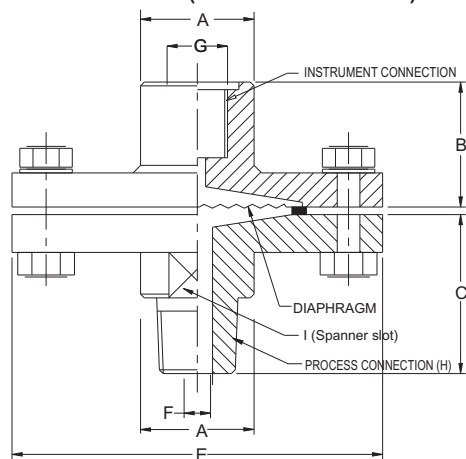
(COMPATIBLE WAAREE MODELS : AC, AE, AH, AI, AL, AQ, BA, BE, BI, BJ, BO, BQ & BT)

Seal Type	: S06 = -1 to 0 kg/cm ² & 0 to 70 kg/cm ² (Standard)
	: S07 = 100 kg/cm ² to 400 kg/cm ²
Process Temperature	: - 40 °C to 200 °C or as per fill fluid
Instrument Connection	: ½" BSP (F)
Process Connection	: ½" 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

DIMENSIONS - STANDARD VERSION

TYPE "S06" (STANDARD VERSION)

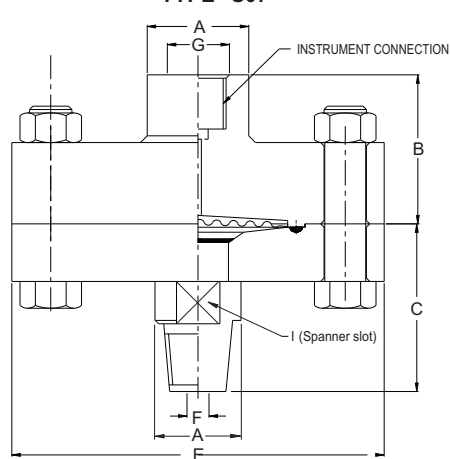


A	~ B	~ C	E	F	G	H	I	Approx. Wt. #
30	26	47	98	Ø8	½" BSP(F)	½" BSP (M)	25	1500.0

(# Weight in grams with box for Standard Model.)

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

TYPE "S07"



A	~ B	~ C	E	F	G	H	I	Approx. Wt. #
30	44	49.5	110	Ø8	½" BSP(F)	½" BSP (M)	25	3000.0

(# Weight in grams with box for Standard Model.)

Example

HOW TO ORDER

BASIC MODEL

CODE

OPTIONAL EXTRAS

[It is recommended that the MOC of Diaphragm should be equivalent or superior than the MOC of Bottom chamber.]

TYPE

S06 -1 to 0 kg/cm² & 0 to 70 kg/cm² (Standard) S07 100 kg/cm² to 400 kg/cm²

INSTRUMENT CONNECTION (Select this option when dry seal is required)

VN 1/4" BSP(F) VP 3/8" BSP (F) VL 1/2" BSP (F)(Standard) VM 1/2" NPT (F) VO 1/4" NPT (F)

TOP CHAMBER

XW AISI 304 SS (Standard) YA AISI 316L SS XY AISI 316 SS

DIAPHRAGM (* Range up to 21 kg/cm²)

UJ AISI 316L SS (Standard) UL HASTELLOY 'C' UR TITANIUM UW INCONEL 600

UM MONEL UP SILVER* UQ TANTALUM

SEALING GASKET

VI PTFE (Standard) YR METAL

BOTTOM CHAMBER (* Refer Pressure v/s Temperature table below.)

TK AISI 304 SS TT HASTELLOY 'C'

TM AISI 316 SS (Standard) UD TANTALUM

TL AISI 316L SS TZ PVC*

UH TITANIUM UA PVDF*

TX MONEL TY POLYPROPELENE*

MOC OF BOTTOM CHAMBER	PRESSURE V/S TEMPERATURE					
	20 °C	40 °C	60 °C	80 °C	100 °C	120 °C
PVDF	10 kg/cm ²	10 kg/cm ²	10 kg/cm ²	7 kg/cm ²	4 kg/cm ²	2 kg/cm ²
PP	10 kg/cm ²	10 kg/cm ²	6 kg/cm ²	4 kg/cm ²	1 kg/cm ²	NA
PVC	10 kg/cm ²	10 kg/cm ²	4 kg/cm ²	1 kg/cm ²	NA	NA

PROCESS CONNECTION

WE 1/4" BSP(F) WI 1/4" NPT (F) WY 1/4" NPT(M) WS 1/4" BSP(M) WR M20 x 1.5(M)

WC 3/8" BSP(F) WH 1/2" NPT (F) WA 1/2" NPT(M) WT 3/8" BSP(M) WP M33 x 1.5(M)

WD 1/2" BSP(F) WL 3/4" NPT(F) WK 3/4" NPT(M) WU 1/2" BSP(M) (Standard)

WJ 3/4" BSP(F) WF 3/4" BSP(M)

Note : Connections like Metric, PT/ PF/ Flaired / UNF/ G/ R etc can be provided on request.

PROTECTION ON WETTED PARTS (* With bore diameter 10 mm minimum & for connection size 1/2" & 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.)

US FLUROLUBE 4.2 [-45 to 175 °C]

UT FLUROLUBE 6.3 [-40 to 235 °C]

UU FLUROLUBE FS-5 [-28 to 148 °C]

UV FOOD GRADE OIL [-20 to 140 °C]

UX SILICON DC 200 [-40 to 205 °C] (Standard)

UY SILICON DC 704 [10 to 337 °C]

UZ SILICON DC 710 [7 to 371 °C]

VA SYLTHERM 800 [-40 to 315 °C]

VB SYLTHERM XLT [-100 to 260 °C]

VC HALOCARBON OIL*

REMOTE MOUNTING (With capillary of Max. Up to 6 Mtrs.)

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

CAPILLARY

PE AISI 304 SS PG AISI 316 SS

CAPILLARY COVERED WITH ARMOUR (Applicable with PE or PG if selected)

PF AISI 304 SS PH AISI 316 SS PI PVC (Ambient Temp. Max. 60°C)

OTHER OPTIONS

TB HELIUM LEAK TEST TC DRY SEAL ONLY WITHOUT INSTRUMENT GH MATERIAL TEST CERTIFICATES*

* 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: DB - 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.