



SPECIAL FEATURES

WELDED DIAPHRAGM
MOST SUITABLE FOR SLURRY & CORROSIVE 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 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.

STANDARD VERSION

(FOR FLANGE SIZE 1½" AND ABOVE)

(COMPATIBLE MODELS : 01-03, 01-05, 01-08, 01-09, 01-12, 01-18, 02-01, 02-05, 01-09, 02-10, 02-15 & 02-20)

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" NPT (F)
Process connection	: Flange(As per DIN/BS/ANSI/JIS), 40 NB(1½") & 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

HOW TO ORDER

Example

BASIC MODEL

CODE

D-10

OPTIONAL EXTRAS

[It is recommended that the MOC of Diaphragm & flange should be equivalent.]

SEAL TYPE

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)*

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

INSTRUMENT CONNECTION

VM ½" NPT (F) (Standard) **VL** ½" BSP (F) **VP** 3/8" BSP (F)

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TOP CHAMBER

YA AISI 316L SS **YC** CARBON STEEL
XY AISI 316 SS **XW** AISI 304 SS (Standard)

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DIAPHRAGM (* For seal type S27)

UQ TANTALUM **UR** TITANIUM **UP** SILVER **KE** PTFE*
UL HASTELLOY 'C' **UM** MONEL **UJ** AISI 316L SS (Standard)

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FLANGE MATERIAL

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

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PROCESS CONNECTION

AS PER DIN / BS / ANSI / JIS (SELECT CODE FROM FLANGE TABLE)

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PROTECTION ON WETTED PARTS

VS PTFE LINING ON BOTTOM CHAMBER - 2 mm THICK (Max. Up to 150 °C)
VV PTFE PROTECTION FOR DIAPHRAGM (Max. Up to 150 °C)
VZ PTFE COATING ON DIAPHRAGM (Max. Up to 315 °C)

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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** SYL THERM 800 [-40 to 315 °C]
UV FOOD GRADE OIL [-20 to 140 °C] **VB** SYL THERM XLT [-100 to 260 °C]
UX SILICON DC 200 [-40 to 205 °C] (Standard) **VC** HALOCARBON OIL*

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REMOTE MOUNTING (With capillary of Max. Up to 15 Mtrs.)

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

3Mtr.

CAPILLARY

PE AISI 304 SS **PG** AISI 316 SS

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

PF AISI 304 SS **PH** AISI 316 SS **PI** PVC

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OPTIONS

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

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* MATERIAL TEST CERTIFICATES WILL BE PROVIDED FOR WETTED PARTS ONLY WITH CHEMICAL COMPOSITION TESTING. FOR OTHERS, PLEASE CONSULT FACTORY.

Refer Datasheet 05-05 for selection of Flushing Rings.

Ordering Example: D-10 - XXX - XX - XX - XX - XX - XXX - XX - XX - 3mtr - XX - XX - XX

FOR OTHER OPTIONAL ITEMS, PLEASE CONTACT FACTORY FOR DELIVERY AND MINIMUM QUANTITY OF ORDER.