



SPECIAL FEATURES

FLUSH DIAPHRAGM
EASY FLUSHING (THROUGH FLUSHING RING)
MOST SUITABLE FOR SLURRY, CORROSIVE & HIGH VISCOUS 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 1 1/2" AND ABOVE)

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

Range	-1 kg/cm ² 0 & 0 to 250 kg/cm ² *
Process temperature	-40°C to 200°C or as per fill fluid
Instrument connection	1/2" NPT (F)
Process connection	Flange(As per DIN/BS/ANSI/JIS), 40 NB(1 1/2") & above
Flange finish	125-250 AARH

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

Diaphragm	AISI 316L SS
Flange	AISI 316 SS
Fill fluid	Silicon oil - DC 200
Gasket	PTFE



HOW TO ORDER

BASIC MODEL

CODE

OPTIONAL EXTRAS

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

INSTRUMENT CONNECTION

VM 1/2" NPT (F) (Standard) **VL** 1/2" BSP (F) **VP** 3/8" BSP (F)

DIAPHRAGM

UQ TANTALUM **UR** TITANIUM **UJ** AISI 316L SS (Standard)
UL HASTELLOY 'C' **UM** MONEL **UA** ALLOY 825

FLANGE MATERIAL

TK AISI 304 SS **TN** CARBON STEEL **UH** TITANIUM **UD** TANTALUM **AE** ALLOY 825
TL AISI 316L SS **TX** MONEL **TT** HASTELLOY C **TM** AISI 316 SS (Standard)

PROCESS CONNECTION

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

PROTECTION ON WETTED PARTS

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] **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 15 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

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 : 05-05 for selection of Flushing Rings.

Ordering Example: D-09 - XX - XX - XX - XXX - XX - XX - 3mtr - XX - XX - XX

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

Example

D-09

XX

XX

XX

XXX

XX

XX

3Mtr.

XX

XX

XX