



SPECIAL FEATURES

ALL SS 316 CONSTRUCTION
IDEAL FOR SLURRY / HIGH VISCOUS FLUIDS
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

(COMPATIBLE MODEL : 01-12; NS 100 & 150 mm)

Note: Pressure Gauge will be provided with internal system of NS 63 mm.

Range	1 kg/cm ² to 250 kg/cm ² *
Process temperature	-40°C to 200°C or as per fill fluid
Instrument connection	½" NPT (F)
Process connection	Flange (Refer table)
Flange finish	Finish 125-250 AARH

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

Diaphragm	AISI 316L SS
Body	AISI 316 SS
Flange	AISI 316 SS
Extension	50 mm (other extension on request)
Fill fluid	Silicon oil - DC 200

HOW TO ORDER

BASIC MODEL

CODE

OPTIONAL EXTRAS

[It is recommended that the MOC of Diaphragm, Body & Flange should be equivalent.]

INSTRUMENT CONNECTION

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

DIAPHRAGM

UJ AISI 316L SS (Standard) **UM** MONEL **UL** HASTELLOY 'C'

BODY

CN MONEL **CO** HASTELLOY 'C' **CM** AISI 316L SS **CL** AISI 316 SS (Standard)

BODY LENGTH (Standard: 50 mm & Max. Up to 200 mm)

SPECIFY IN mm (e.g. 50 mm, 100 mm, 150 mm & 200 mm)

PROCESS CONNECTION

(SELECT CODE FROM FLANGE TABLE)

FLANGE MATERIAL

TX MONEL **TT** HASTELLOY C **TL** AISI 316L SS **TM** AISI 316 SS (Standard)

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.

Ordering Example: D-11 - XX - XX - XX - 100 mm - XXX - XX - XX - XX - 3mtr - XX - XX - XX

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

Example

D-11

XX

XX

XX

100 mm

XXX

XX

XX

XX

3Mtr.

XX

XX

XX