



## DIAPHRAGM SEAL

### HEAVY DUTY MINI SEAL

D-06



ALL AISI 316 SS CONSTRUCTION  
LIGHT WEIGHT  
ECONOMICAL  
IDEAL CHOICE FOR HIGH PRESSURE  
THE DIAPHRAGM IS WELDED TO THE BODY TO ENSURE  
SEPARATION OF THE FILLING FLUID FROM THE PROCESS MEDIUM.

#### APPLICATIONS

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

#### **STANDARD VERSION NOMINAL SIZE**

(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)

Seal type	S11 = -1 kg/cm <sup>2</sup> to 0 & 0 to 21 kg/cm <sup>2</sup> (Standard) S12 = 25 kg/cm <sup>2</sup> to 70 kg/cm <sup>2</sup> S13 = 100 kg/cm <sup>2</sup> to 400 kg/cm <sup>2</sup> S14 = 250 kg/cm <sup>2</sup> to 600 kg/cm <sup>2</sup>
Process temperature	- 40 °C to 200 °C or as per fill fluid
Instrument connection	1/2" BSP (F)
Process connection	1/2" BSP (M) 1/4" BSP (F) for type S14
Fill fluid	Silicon oil - DC 200
Mounting	Direct (Without capillary)
Diaphragm	AISI 316L SS
Body	AISI 316 SS



## HOW TO ORDER

### BASIC MODEL CODE

Example

**D-06**

### OPTIONAL EXTRAS

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

### SEAL TYPE

**S11** -1 kg/cm<sup>2</sup> to 0 & 0 to 21 kg/cm<sup>2</sup> (Standard)

**S13** 100 kg/cm<sup>2</sup> to 400 kg/cm<sup>2</sup>

**S12** 25 kg/cm<sup>2</sup> to 70 kg/cm<sup>2</sup>

**S14** 250 kg/cm<sup>2</sup> to 600 kg/cm<sup>2</sup>

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### INSTRUMENT CONNECTION

**VN** 1/4" BSP (F)

**VP** 3/8" BSP (F)

**VL** 1/2" BSP (F) (Standard)

**VO** 1/4" NPT (F)

**VM** 1/2" NPT (F)

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### BODY

**CL** AISI 316 SS (Standard)

**CM** AISI 316L SS

**HC** HASTELLOY - C

**XX**

### DIAPHRAGM

**UJ** AISI 316L (Standard)

**HC** HASTELLOY - C

**DS** Duplex SS

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### PROCESS CONNECTION (\*For seal type S14)

**WE** 1/4" BSP (F) (Standard)\*

**WI** 1/4" NPT (F)

**WY** 1/4" NPT (M)

**WS** 1/4" BSP (M)

**WC** 3/8" BSP (F)

**WH** 1/2" NPT (F)

**WA** 1/2" NPT (M)

**WT** 3/8" BSP (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)

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

### 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** SYLTERM 800 [-40 to 315 °C]

**UV** FOOD GRADE OIL [-20 to 140 °C]

**VB** SYLTERM 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 2 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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### OTHER 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.

**Ordering Example: D-06 - XXX - XX - XX - XX - XX - XX - 3Mtr. - XX - XX - XX**

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