

# DIAPHRAGM SEAL

SANITARY SEAL (CLAMP TYPE)



BBU



## SPECIAL FEATURES

- QUICK CONNECT AND DISCONNECT
- FORHYGIENE APPLICATIONS
- EASY TO CLEAN

## 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 SEALS ARE USED IN QPPLICATIONS WHERE PURITY IN PROCESS IS ESSENTIAL-TYPICALLY IN FOOD, DAIRY BEVERAGES AND PHARMACEUTICAL INDUSTRIES.



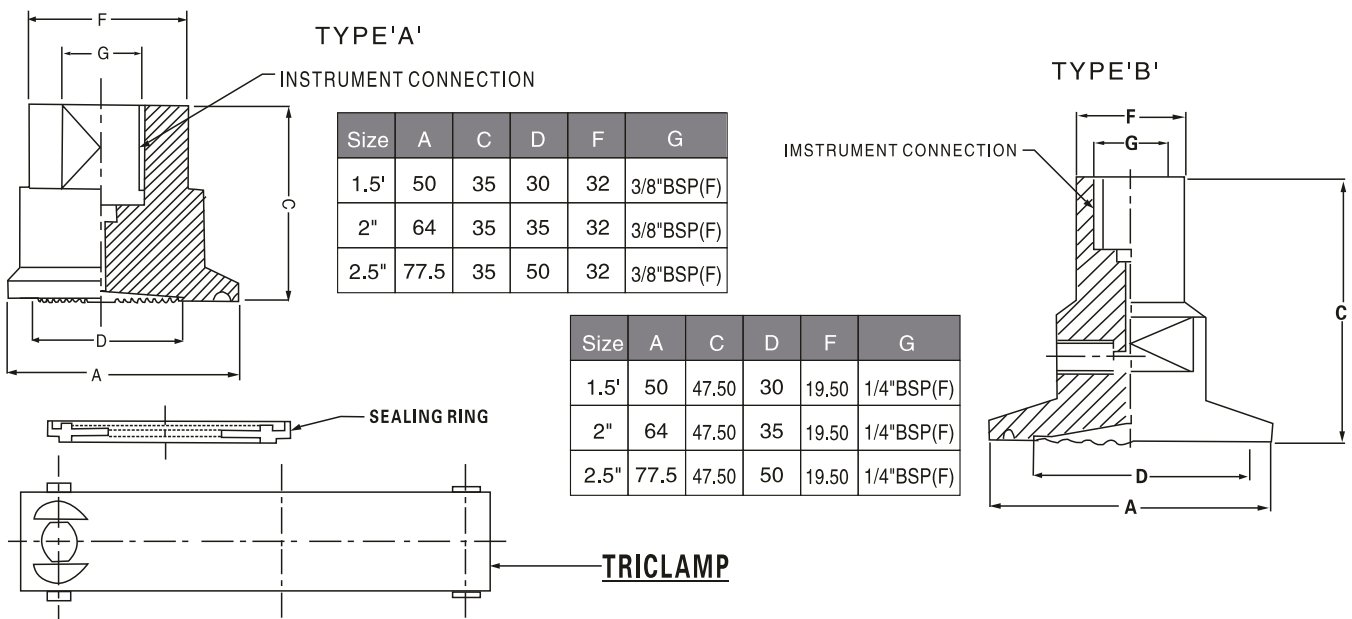
## SPECIFICATIONS

### STANDARD VERSION: (for Ns 100mm & above)

Range	: -1kg/cm <sup>2</sup> to 21kg/cm <sup>2</sup>
Process Temperature	: -20°C to 140°C or as per fill fluid
Instrument Connection	: 3/8" BSP (F)
Process Connection	: 1 1/2" SANITARY SEAL (without clamp & gasket)

Diaphragm	: AISI 316L SS
Body	: AISI 316 SS
Fill Fluid	: Food Grade Oil



Note: • D drawings are not to scale. All Dimensions are in mm.

## HOW TO ORDER

### BASIC MODEL

BBU

### OPTIONS

### TYPE

**AB1** TYPEA      **AB2** TYPEB

AB1

FOR NON STANDARD PRODUCTS/OPTIONAL ITEMS, PLEASE CONTACT FACTORY FOR DELIVERY AND MINIMUM QUANTITY OF ORDER.

### INSTRUMENT CONNECTION

**Q6** 3/8"BSP(F)      **Q4** 1/2"BSP(F)  
**Q1** 1/2"NPT(F)      **Q3** 1/4"BSP(F)  
**Q5** 3/8"NPT(F)      **Q2** 1/4"NPT(F)

Q6

### DIAPHRAGM

**T8** AISI 316L SS

T8

### PROCESS CONNECTION

**Q23** 1 1/2" SANITARY SEAL IN AISI 316 SS  
**Q24** 2" ANITARY SEAL IN AISI 316 SS  
**Q25** 1/2" SANITARY SEAL IN AISI 316 SS

Q23

### CLAMP

**Z1** 1 1/2" CLAMP AISI 304 SS  
**Z2** 2" CLAMP AISI 304 SS  
**Z3** 2 1/2" CLAMP AISI 304 SS

Z1

\*Note: Above does not include bottom mating part. If required, please refer factory.

### MATING PARTS

**AA1** 1 1/2" SANITARY SEAL IN AISI 316 SS  
**AA2** 2" SANITARY SEAL IN AISI 316 SS  
**AA3** 2 1/2" SANITARY SEAL IN AISI 316 SS

AA1

### TYPE

**G1** WITHOUT CAPILLARY      **G2** WITH CAPILLARY  
**G3** WITHOUT NECK TYPE      **G4** NECK TYPE

G1

### CAPILLARY

**H1** AISI 304 SS      **H2** AISI 316 SS

H1

### CAPILLARY COVERED WITH ARMOUR

**I1** AISI 304 SS      **I2** AISI 316 SS      **I3** PVC

I1

### CAPILLARY LENGTHY (Max up to 2Mtrs.)

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

1Mtr.

### OTHER OPTIONS

**K3** HELIUM LEAK TEST      **K4** DRY SEAL ONLY WITHOUT INSTRUMENT

K3

### Ordering Example:

**BBU-AB1-Q6-T8-O23-Z1-AA1-G1-H1-I1-1Mtr.-K3**

Note: ● Due to continuous improvement, the specification