

DCS101 SERIES DIAPHRAGM CHEMICAL SEALS, THERAD DESIGN MODEL:BC01



Applications:

DCS101 is designed to isolate the sensing element of pressure gauges from process fluids that may be corrosive, viscous, sedimentous and/or with high temperature.

DCS101 is suitable for pressure from -1 to 25 bar with thread design.

Specifications:

Instrument connection:

Capillary, 1/4", 1/2" BSP/NPT female

Process connection:

1/4", 1/2" BSP/NPT male or female

Process temperature: -45+150°C

Filling liquid: Silicone oil, glycerin, fluorocarbon oil, vegetable oil

Pressure range: -1-0-25bar

Material:

Gasket: Teflon

Diaphragm: SS 316L, SS316L PTFE coating, SS316L Teflon lined, HC, TI etc

Nuts and bolts: SS 316, SS304

Upper housing: SS 316, SS304

Lower housing: SS 316, SS304

Process and instrument connection: SS 316, SS316L

DIMENSION:

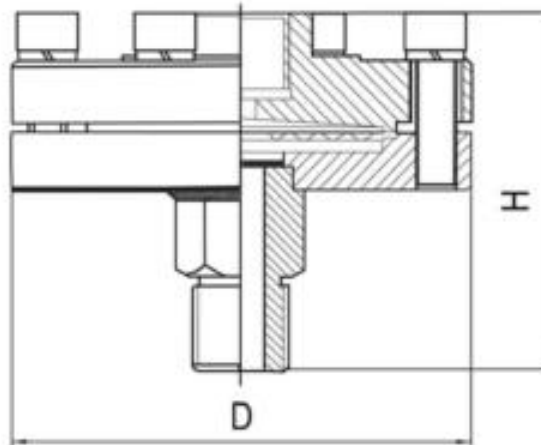


Table Options for Filling Working Fluid

| Working Fluid | Diaphragm Seal Temp. range (°C) | Service | Instrument Normal Oper. Temp (°C) |
|--------------------------|---------------------------------|-------------|-----------------------------------|
| Silicon (Low Viscidity) | - 40°..130° | General | - 30°..50° |
| Silicon (High Viscidity) | - 30°..240° | High Temp. | - 20°..60° |
| Fluorocarbon Oil | - 30°..160° | Salt & Acid | - 20°..50° |
| Glycerine | - 5° ..100° | Food | - 5° ..40° |
| Propylene Glycol | - 30°..100° | Food | - 20°..40° |

Standard Working Fluid is Silicon (Low Viscidity)

Technical Dimension and Characteristic

| Model | Dimension and Characteristic | | | |
|-------|------------------------------|----|-----------------|----------|
| | D | H | Pressure | Weight |
| BC01 | 97 | 75 | -1 ≤ P ≤ 25 Bar | 1,40 kgs |