



DCS103 SERIES DIAPHRAGM CHEMICAL SEALS, WELDED BODY MODEL:DCS103



Applications:

DCS103 is designed to isolate the sensing element of pressure gauges from process fluids that may be corrosive, viscous, sedimentous and/or with high temperature.

DCS103 is suitable for pressure from 0 to 600bar with 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: 0-600bar

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

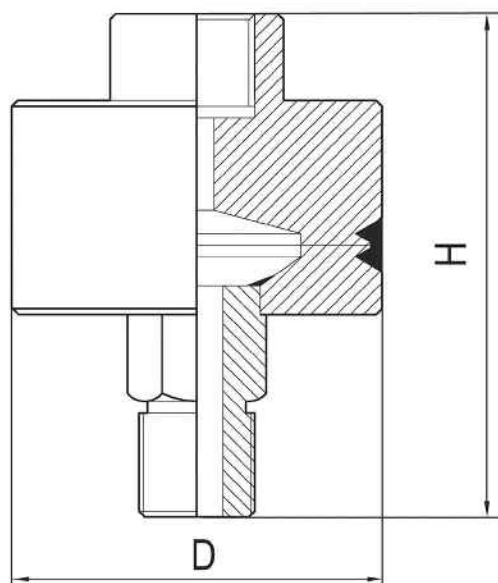
DIMENSION:

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
DCS 103	62	90	$0 \leq P \leq 600$ Bar	1,10 kgs