Special Diaphragm Seal With Flushing System

DS104 Series

Features

Special

- · Various threaded sizes and flanged connection
- Applicable with most measuring instruments
- Double laser welding diaphragm design
- Cleaning In Process (CIP) and Sterilization
- Stainless steel wetted parts with options
- Various diaphragm materials selection
- Diaphragm or wetted parts coating or lining
- Pressure range -1..0, -1..+24 to 0.. 40 bar

: 0.. 1bar to 40 bar

:-1.. 0 bar

:-1..24 bar

Various liquid filling optional

Technical Specification

Model and pressure configuration

Pressure

Vaccum Compound

Body diameter size

Standard Ø 98 mm

• Instrument Connection Size

• Process Connection Size

Standard G1/2" or 1/2" NPT, Female

Male threaded 1".. 2" or optional

* Flanged and to DIN 2501, ASME B16.5, etc DIN 2501 : DN15..50, PN 2.5..40

ASME B16.5: 1/2" ..2", Rating 150#..600#

Finish Ra 3.2.. 6.3µm

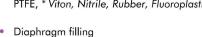


*Double welded diaphragm

Material



- Upper / Lower body SS 316 (Standard) or *SS316L
- Diaphragm SS 316L (Standard), *Optional Titanium, Monel, Hastelloy, Tantalum, or others
- Sealing ring / gasket to diaphragm PTFE, * Viton, Nitrile, Rubber, Fluoroplastic



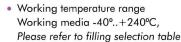


Standard silicone oil

Snubber

Dimension





Diaphragm filling reference

Working Fluid	Working Temp.	Specific Gravity	Service
Silicone oil Std	-40°+130°C	0.94 g/cm2	General industry
Silicone oil DC2	-30°+200°C	1.07 g/cm2	High temperature
Fluorocarbon oil	-30°+160°C	1.93 g/cm2	H2, O2, salt, acid
Glycerine	-5°+ 70°C	1.27 g/cm2	Food, sanitary
Vegetable oil	-5%. +100°C	0.93 g/cm2	Food, sanitary

Flance Facina

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	Standard	Flange Facing
	ISO PN 1040	Raised Face (RF), Flat Face (FF), Male tongue, Female groove, M/F spigot
	DIN PN 2040	Raised Face (RF) - RF de 1.6/6.4, Male tongue - Large/Small, Female groove
	ASME Class 150600	Ring Type Joint (RTJ), Female spigot - Large/Small, Male spigot - Large/Small



*Flushing port, size 1/8" or 1/4"

*DS104 with Flushing system

Ordering Code



0	Diaphragm Material	
SS	SS 316 L	
TI	Titanium	
TA	Tantalum	
HC	Hastelloy (H276C)	
MO	Monel (Cu30Ni70)	
XX	Other material	

GERMANY TECHNOLOGY

DS104 - Diaphragm¹ - Connection² - Filling³ *Option⁴

2	Process Connection
G2	G 1/2"
N2	⅓″NPT
G1	G 1"
N1	1"NPT
XX	Flanged and connection
9	Di
3	Diaphragm Filling
Α	Standard silicone oil -40°+130°C
В	Hi-temp. silicone oil -30°+200°C

• 1		
4	Option	
AC	Capillary (Meter), eg. AC5 - 5 meters	
DC	PTFE diaphragm coating	
DH	Halar coating	
DF	PTFE diaphragm foil	
DW	PTFE wetted parts coating	
DL	PTFE diaphragm lining	
CX	Cooling tower, C1 C3	
AV	Angle tube valve	

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