

Threaded Mini Diaphragm Seal

DS102/3 Series

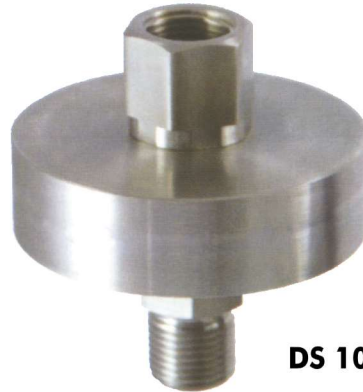
Features

- 1-Piece construction diaphragm seal
- Direct threaded processing type
- DS102 - Pressure range 0.. 1 bar to 100 bar
- DS103 - Pressure range 0..60 bar to 400 bar
- Welded body full stainless steel construction
- Various diaphragm material selection as option
- PTFE coating diaphragm on request*
- Media temperature -30°..+140°C, up to 200°C
- Applicable on accessories, eg. capillary, siphon, etc

Application

DS102 and DS103 Series is a premium 1-Piece diaphragm seal designed for high temperature and wide pressure range. Design with various selection of diaphragm materials, suitable for chemical plants, process industries, water treatment and other extreme corrosive environment.

Design



DS 102



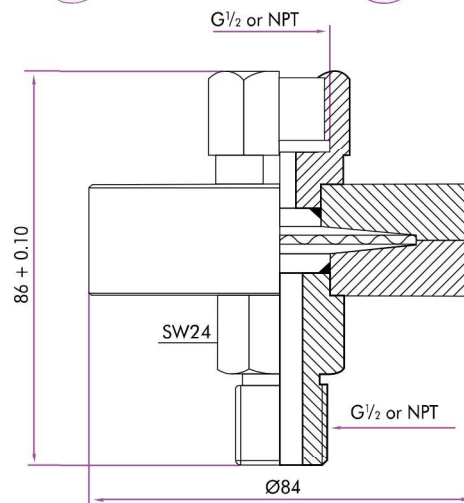
DS 103

Technical Specification

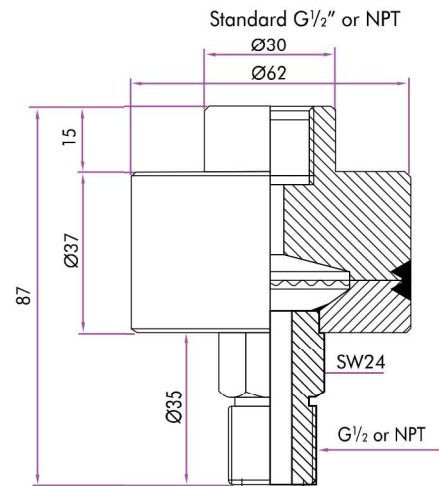


- Model and pressure configuration
DS 102 : 0.. 1 bar up to 100 bar
DS 103 : 0..60 bar up to 400 bar
- Body diameter size
DS 102 : Ø 84 mm
DS 103 : Ø 62 mm
- Working media temperature
Working temperature -20°..+200°C,
depend on diaphragm liquid filling
- Instrument / Process Connection Size
G1/2", 1/2"NPT, G1" or 1"NPT
- Body material and wetted part
Stainless steel 316
- Diaphragm material
Standard SS316L, option Titanium, tantalum, etc
- Diaphragm filling
Silicone oil standard, other filling on request !

Dimension (mm)



DS 102 Series



DS 103 Series



Ordering Code

DS - Diaphragm^① - Process Connection^② - Filling^③ *Option^④

①	Diaphragm Seal Design
102	Mini diaphragm seal, PN 100
103	Mini diaphragm seal, PN 400

②	Process Connection
SS	SS 316 L (Standard)
TI	Titanium
TA	Tantalum
HC	Hastelloy (H276C)
MO	Monel (Cu30Ni70)
XX	Other material

③	Process Connection
G2	G1/2"
N2	1/2" NPT
G1	G 1"
N1	1" NPT

④	Diaphragm Filling
A	Standard silicone oil -40°..+130°C
B	Hi-temp. silicone oil -30°..+200°C
X	Other filling, please consult !

⑤	Option
AC	Capillary (Meter), eg. AC5 - 5 meters
DC	PTFE diaphragm coating
CX	Cooling tower, C1.. C3