

Mini Threaded Heavy-Duty Diaphragm Seal

MDC120/130 Series

Features

- Mini design body diaphragm seal
- 1-Piece construction threaded processing type
- Pressure range 0..10 bar up to 400 bar
- Optional with flushing port for In-field cleaning
- Process connection G^{1/4"} to G^{1/2"} or NPT
- Welded body full stainless steel construction
- Various diaphragm or wetted parts material available
- Media temperature -30°..+140°C
- Applicable on accessories, eg. capillary, siphon, etc

Application

MDC120 and MDC130 Series is a high pressure diaphragm seal with small size design for limitation space installation. Design with various selection of diaphragm materials or wetted parts and Optional with Flushing port for cleaning or sterilization services, suitable for chemical plants, food processing, sewage, process industries, water treatment and other extreme corrosive environment.

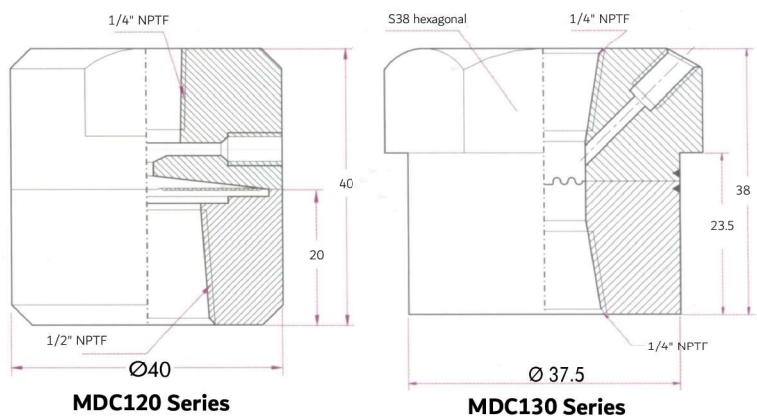
Technical Specification

- Pressure configuration
Pressure range 0.. 10 bar to 0 ..400 bar
- Body diameter size
MDC120 : Ø 40 mm
MDC130 : Ø 37.5 mm
- Working media temperature
Working media -20°..+200°C,
depend on diaphragm liquid filling
- Instrument / Process Connection Size
G^{1/2"}, G^{1/4"} or NPT Female
- Body material and wetted part
SS316, option Titanium, Tantalum, Hastelloy, etc
- Diaphragm material
Standard SS316L, option Titanium, tantalum, etc
- Diaphragm filling
Silicone oil standard, other filling on request !

Design



Dimension (mm)



Ordering Code

MDC^① - Diaphragm^② - Process Connection^③ - Filling^④ *Option^⑤

①	Diaphragm seal type
120	Tube diaphragm seal, PN 400
130	Hexagonal diaphragm seal, PN 400

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

③	Process Connection
G2F	G 1/2" Female
N2F	1/2"NPT Female
G4F	G1/4" Male
N4F	1/4"NPT Male

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
WP	Other wetted part material
FP	Flushing port for cleaning service
CX	Cooling tower, C1.. C3