

Diaphragm Seals - Bolted Assembly

Model: MDD1

Applications

- Level measurement . For aggressive, corrosive or toxic media
- Rugged design for direct mounting
- Process industry: Chemical/petro chemical, power stations, food and beverage, offshore oil rigs, pulp and paper, environmental technology, machine building and general plant construction

Special features

- All welded diaphragm seals
- All stainless steel 316L
- Large selection of process connections and materials
- Large selection of process pressure

Description

- | | |
|------------------------------------|---|
| ■ Upper body material | Stainless steel 304, Stainless steel 316L
Hastelloy, Monel, Tantalum(option) |
| ■ Bottom chamber material | Stainless steel 316L, Hastelloy, Monel
PVC, PVDF, PP, Tantalum(option) |
| ■ Diaphragm material | Stainless steel 316L, Hastelloy, Monel
PVC, PVDF, PP, Tantalum, NACE MR 0175(option) |
| ■ Process connection | Stainless steel 316L
1/4 NPT, 1/2 NPT, BSP (option) |
| ■ Silicon oil | Suitable for -40 ... 345C |
| ■ Diaphragm diameter | 51mm for high pressure, 90mm for
medium pressure, 110mm for low pressure |
| ■ Max. process pressure
at 20°C | 6000 psi with 8 bolts,
1500 psi with 4 bolts, |
| ■ Process connection | 1/4", 1/2", 3/4", 1", female NPT or BSP
1/2 male NPT or BSP, Flange type
Flat face, Raised face, Ring joint |
| ■ Capillary | Stainless steel 316 |
| ■ Armour | Stainless steel 304, Stainless steel 316
PTFE, PVC, Silicone (option) |





MDD1 Diaphragm Seals

ORDERING CODE	Example: MDD1	4	N	2	L	S	M	I
Process Connection								
2 - ¼								
4 - ½		4						
6 - ¾								
8 - 1"								
10 - Flange (customer shall be specifications)								
Process Connection Type								
N - Male NPT			N					
G - Male G								
E - Female								
F - Flange (customer to supply specifications)								
Instrument Connection								
2 - ¼ Female NPT				2				
4 - ½ Female NPT								
6 - ¼ Female G								
8 - ½ Female G								
10 - ¼ Welded								
12 - ½ Welded								
P - Capillary (consult for material, Length and armour)								
C - Custom								
Process Pressure								
L - Low pressure (5 to 1000 mbar)					L			
M - Medium pressure (Vacuum to 100 bar)								
H - High pressure (100 to 400 bar)								
Upper Body Matrial								
S - Stainless steel 304						S		
L - Stainless steel 316L								
C - Customer								
Diaphragm Material								
S - 316L Stainless steel								
M - Monel® 400							M	
H - Hastelloy								
T - Titanium								
L - Tantalum								
I - Inconel 600								
P - PTFE coated (max. temp 200°C and 1500 PSI)								
F - PTFE coated (max. temp 300°C and 1500 PSI)								
O - Silver								
G - Gold								
C - Customer								
Sealing Ring Embedded								
P - PTFE for max. temp 200°C								
I - Inconel Silver plate max. temp 400°C								I
M - Metal								



MDD1 Diaphragm Seals

	MDD1	M	OT	NOTE
Bottom Body Material				
S - 316L Stainless steel				
M - Monel® 400		M		
H - Hastelloy				
T - Titanium				
L - Tantalum				
I - Inconel 600				
P - PTFE coated (max. temp 200°C and 1500 PSI)				
F - PTFE coated (max. temp 300°C and 1500 PSI)				
O - Silver				
G - Gold				
P - PVC (max. p 150 psi at 20°C)				
F - PBDF (max. p 150 psi at 20°C)				
L - Polypropelene (max. p 150 psi at 20°C)				
C - Customer				
Options				
FF - Filling fluids covering from -100 ... 400				
OT - Helium leak test			OT	
OC - Calibration test certificate				
OM - Material test certificate				
NH - Stainless steel tag wired to case				
WA - One year warranty				
Other				





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