

## Compact Diaphragm Seals Fully Welded Model: MDD2

### 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

- |                                 |   |
|---------------------------------|---|
| ■ body material                 | Stainless steel 304, Stainless steel 316L<br>Hastelloy, Monel, Tantalum(option) |
| ■ Diaphragm material            | Stainless steel 316L, Hastelloy, Monel<br>PVC, PVDF, PP, Tantalum(option)       |
| ■ Process connection            | Stainless steel 316L<br>1/4 NPT, 1/2 NPT, BSP (option)                          |
| ■ Silicon oil                   | Suitable for -40 ... 345°C  |
| ■ Diaphragm diameter            | 30mm for high pressure, 35mm for medium pressure, 52mm for low pressure         |
| ■ Max. process pressure at 20°C | 6000 psi  |
| ■ Process connection            | 1/4", 1/2", 3/4", 1", female NPT or BSP<br>1/2 male NPT or BSP                  |
| ■ Capillary                     | Stainless steel 316   |
| ■ Armour                        | Stainless steel 304, Stainless steel 316<br>PTFE, PVC, Silicone (option)        |



## MDD2 Diaphragm Seals

ORDERING CODE	Example: MDD2	4	N	2	L	S	P	OT	NOTE
<b>Process Connection Size</b>									
2 - ¼									
4 - ½		4							
6 - ¾									
8 - 1"									
C - Customer									
<b>Process Connection Type</b>									
N - Male NPT			N						
G - Male G									
E - Female									
C - Customer									
<b>Instrument Connection</b>									
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									
<b>Process Pressure</b>									
L - Low pressure (1 to 60 bar)					L				
M - Medium pressure (6 to 60 bar)									
H - High pressure (100 to 400 bar)									
<b>Body Material</b>									
S - 316L Stainless steel						S			
M - Monel® 400									
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									
<b>Sealing Ring Embedded</b>									
P - PTFE for max. temp 200°C							P		
G - Graphite for max. temp 345°C									
<b>Options</b>									
FF - Filing fluids covering from -100 ... 400									
OT - Helium leak test								OT	
OC - Calibration test certificate									
OM - Material test certificate									
NS - According to NACE MR 0175 & NACE MR 0103 standard									
NH - Stainless steel tag wired to case									
WA - One year warranty									
<b>Other</b>									



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