

Flushed Diaphragm Type

**MIEPL** make diaphragm seals, mounted with pressure gauges, process transmitters, pressure switches etc. By using diaphragm seals, the measuring instruments can be used at extreme temperatures from -40 to +370 °C and with aggressive, corrosive, heterogeneous, abrasive, highly viscous or toxic media. This is available with variety of Flange sizes & MOC.



**FEATURES**

- ⇒ Flushed diaphragm
- ⇒ welded diaphragm
- ⇒ Optional flushing ring
- ⇒ Optional exotic materials

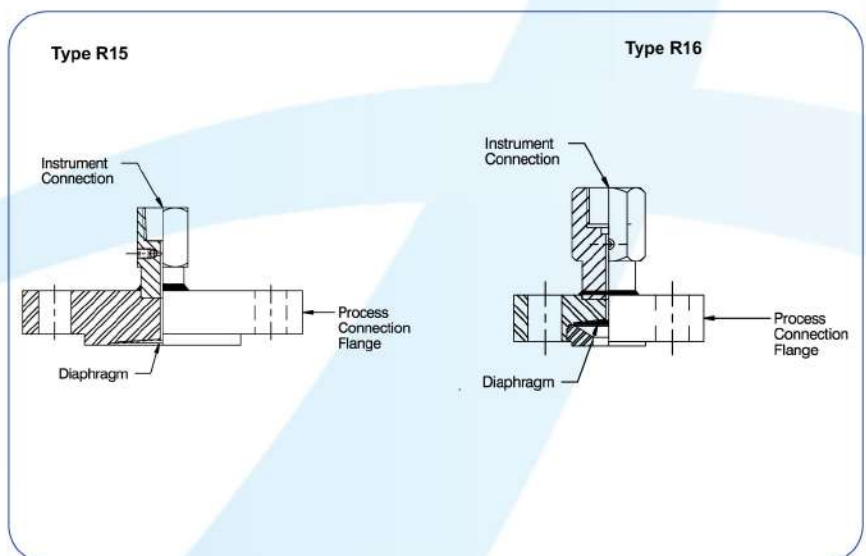
**APPLICATION**

- ⇒ Isolation applications
- ⇒ Viscous & corrosive media
- ⇒ High-pressure applications
- ⇒ High vibration application

**STANDARD SPECIFICATIONS**

Range type	: -1...0 bar to 0...250 bar
Chamber / Flange material	: AISI 316 SS
Diaphragm	: AISI 316L SS
Instrument connection	: 1/2" NPT (F)
Sealing fluid	: Silicon DC 200 (-40...205°C)
Process connection	: 1½" 150# as per ANSI B16.5
Flange facing type	: Raised face
Protection on wetted parts	: Optional
Assembly	: Direct
Capillary	: Optional
Armour	: Optional
Remote mounting length	: Optional

**DRAWING**



All dimensions are in mm.

### ORDERING CODE

MDS06 - R15 - CC - DG - 4NF - FA - XXX - RF - XX - B8

1. RANGE TYPE	-1...250 bar (Flange 1.5" & above)	R15							
	4...250bar (Flange 1/2" to 1")	R16							
2. CHAMBER FLANGE MATERIAL	ASTM A105    CB                      Titanium    CV                      Hastelloy C-276    CO								
	AISI 316 SS    CF                      AISI 304 SS    CC                      Tantalum    CW								
	Monel 400    CM                      AISI 316L SS    CG								
3. DIAPHRAGM MATERIAL	AISI 316L SS					DG			
	Hastelloy C-276					DO			
	Tantalum					DW			
	Monel 400					DM			
	Titanium					DV			
4. INSTRUMENT CONNECTION	3/8" BSP (F)                      3BF                                      1/2" NPT (F)                      4NF								
	1/4" BSP (F)                      2BF                                      1/2" BSP (F)                      4BF								
	1/4" NPT (F)                      2NF								
5. SEALING FLUID	Silicon DC 200 [-40°C to 205°C]							FA	
	Food grade oil [-20°C to 140°C]							FF	
	Glycerine [10°C to 150°C]							FG	
	Syltherm 800 [-40°C to 315°C]							FI	
	Silicon DC 710 [7°C to 371°C]							FL	
6. PROCESS CONNECTION	<b>Refer Flange Table for the codes</b>							XXX	
7. FLANGE FACING	Flat Face								FF
	Ring-Type Joint								RT
	Raised Face								RF
	Tongue and Groove (T&G)								TG
8. PROTECTION ON WETTED PARTS	PTFE coating on flange								PA
	PTFE coating on diaphragm								PC
9. ASSEMBLY	Direct								B8
	Remote (capillary)								B9
10. CAPILLARY	AISI 304 SS                      O U                                      AISI 316 SS                      O V								
11. ARMOUR	AISI 304 SS                      OX                                      AISI 316 SS                      OY								
	PVC (Ambient max. 60°C)    OZ								
12. REMOTE MOUNTING LENGTH	<b>1000 mm up to 6000 mm</b>							XXXX	
13. OTHER OPTIONS	Dry seal								XZ
	Helium leak test								SL
	Material test certificate 2.2								SM
	Material test certificate 3.1								SC

#### MOUNTING KITS

Bolt / Nut / Washer	Hardware
Suitable mating type	Flanges
Metal / Graphoil / Asbestos	Gaskets

#### APPLICABLE ACCESSORIES

Flushing Ring	A301
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Ordering Example    **MDS06 - R15 - CC - DG - 4NF - FA - XXX - RF - XX - B8**

1. Different sealing liquids Can be Provided, Please Refer Factory.
2. For Selecting R16, Please Take Confirmation For Factory.