

Insert 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

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

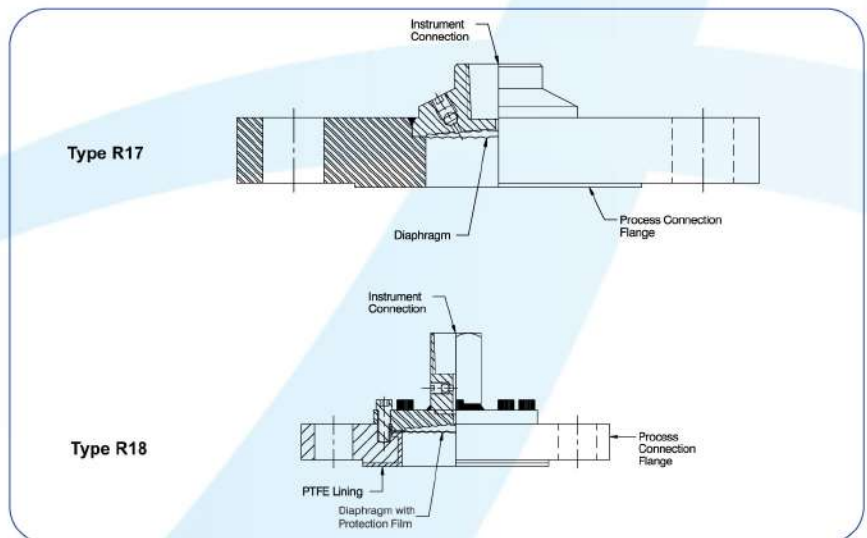
APPLICATION

- ⇒ 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 304 SS
Diaphragm	: AISI 316L SS
Gaskets	: PTFE
Flange material	: AISI 316 SS
Instrument connection	: 1/2" NPT (F)
Sealing fluid	: Silicon DC 200 (-40...205°C)
Process connection	: 1 1/2" 150# as per ANSI 816.5
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

MDS07 - R17 - CC - DG - RP - BF - 4NF - FA - XXX - RF - LD - XX - B8

1. RANGE TYPE	-1...0 bar & 0...250 bar (Non PTFE lined)		R17			
	-1...0 bar & 0...40 bar (PTFE lined)		R18			
2. CHAMBER / FLANGE MATERIAL	ASTM A105	CB	AISI 304 SS	CC		
	AISI 316 SS	CF	AISI 316L SS	CG		
3. DIAPHRAGM MATERIAL	AISI 316L SS	DG	Monel 400	DM		
	Hastelloy C-276	DO	Titanium	DV		
	Tantalum	DW	Silver coated	D8		
	PTFE	D2				
4. GASKETS (for S27)	PTFE		RP			
	Metal		RM			
5. FLANGE MATERIAL	ASTM A105	BB	Titanium	BV	Hastelloy C-276	BO
	AISI 316 SS	BF	AISI 304 SS	BC	Tantalum	BW
	Monel 400	BM	AISI 316L SS	BG		
6. 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				
7. 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	
8. PROCESS CONNECTION	Refer Flange Table for the codes				XXX	
9. FLANGE FACING	Flat Face				FF	
	Ring-Type Joint				RT	
	Raised Face				RF	
	Tongue and Groove (T&G)				TG	
10. COUPLING FLANGES & HARDWARES	AISI 304 SS	LD		AISI 316 SS	LH	
11. PROTECTION ON WETTED PARTS	PTFE lining on bottom chamber / Flange				PA	
	PTFE protection for diaphragm				PB	
	PTFE coating on diaphragm or wetted parts				PC	
12. ASSEMBLY	Direct				B8	
	Remote (capillary)				B9	
13. CAPILLARY	AISI 304 SS	O U		AISI 316 SS	O V	
14. ARMOUR	AISI 304 SS	O X		AISI 316 SS	O Y	
	PVC (Ambient max. 60°C)	O Z				
15. REMOTE MOUNTING LENGTH	1000 mm up to 6000 mm				XXXX	
16. OTHER OPTIONS	Dry seal	XZ		Material test certificate 2.2	SM	
	Helium leak test	SL		Material test certificate 3.1	SC	
MOUNTING KITS			APPLICABLE ACCESSORIES			
Bolt / Nut / Washer		Hardware	Flushing Ring		A301	
Metal / Graphoil / Asbestos		Gaskets				
Suitable mating type		Flanges				
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1. Different sealing liquids Can be Provided, Please Refer Factory. 2. With PTFE lining please select coupling Flanges & Hardware.						