

Flushed Diaphragm



FEATURES

- Large volume type design
- Flushed diaphragm
- Laser welded diaphragm
- Optional flushing ring
- Optional exotic materials

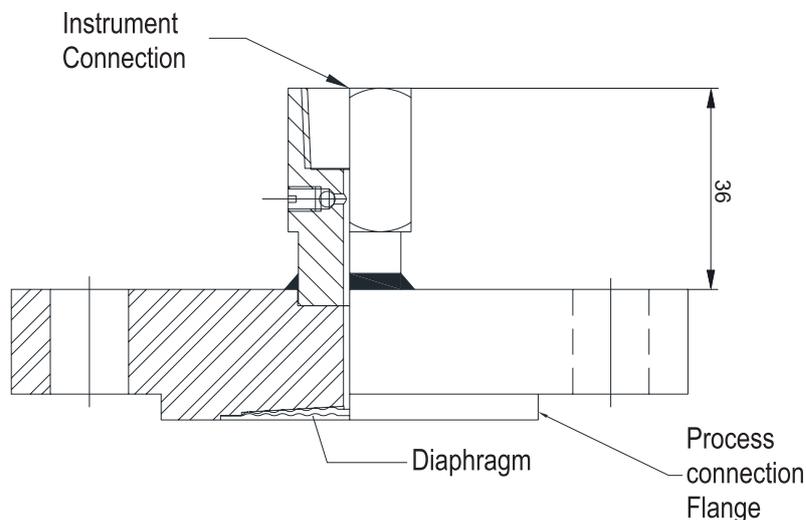
APPLICATIONS

- Separation systems
- Isolation applications
- Viscous & corrosive media
- High-pressure applications
- High vibration application

STANDARD PARAMETERS

Range type	-1...0 bar to 0...400 bar
Chamber / Flange material	AISI 316 SS
Diaphragm	AISI 316 SS
Instrument connection	½" NPT (F)
Sealing fluid	Silicon
Process connection	Flange as per ANSI B16.5 / EN1092-1 / JIS B 2210
Flange facing type	Raised face
Assembly	Direct

DIMENSIONAL DRAWING



All dimensions are in mm.

ORDERING CODES

1. RANGE TYPE		Z01		8. PROTECTION ON WETTED PARTS		PA	
Z01	-1...400 bar			PA	PTFE coating on flange		
				PC	PTFE coating on diaphragm		
2. CHAMBER / FLANGE MATERIAL				MC			
MB	ASTMA105 / Carbon steel	MC	AISI 304 SS	9. ASSEMBLY			
MF	AISI 316 SS	MG	AISI 316L SS	DR	Direct		
MM	Monel	MO	Hastelloy C-276	RE	Remote		
MV	Titanium	MW	Tantalum				
3. DIAPHRAGM MATERIAL				MG			
MG	AISI 316L SS	MM	Monel	10. CAPILLARY			
MF	AISI 316 SS	MV	Titanium	MC	AISI 304 SS	MF	AISI 316 SS
MO	Hastelloy C-276			11. ARMOUR			
MW	Tantalum			MC	AISI 304 SS	MF	AISI 316 SS
				MP			
				PVC (Ambient max. 60°C)			
4. INSTRUMENT CONNECTION				04N			
03B	3/8" BSP (F)	04N	1/2" NPT (F)	12. REMOTE MOUNTING LENGTH			
02B	1/4" BSP (F)	04B	1/2" BSP (F)	XXXX	1000 mm up to 6000 mm		
02N	1/4" NPT (F)						
5. SEALING FLUID				OA			
OA	Silicon						
OG	Glycerine						
6. PROCESS CONNECTION				XXX			
XXX	Refer Flange Table for the codes						
7. FLANGE FACING				RF			
FF	Flat Face						
RJ	Ring-Type Joint						
RF	Raised Face						
TR	Tongue and Groove (T&G)						
13. OTHER OPTIONS				TC			
TC	Material test certificate						
TN	NACE standards						

Ordering Example:

MT-S100FD-Z01-MC-MG-04N-OA-XXX-RF-PA-DR-MF-MF-6000-TC

NOTES

1. Other sealing liquids are available, contact factory for further details.
2. All metal diaphragms are laser welded to the Top Chamber.

STANDARD RANGES

ANSI B 16.5								
Code	Size	Rating	Code	Size	Rating	Code	Size	Rating
A01	½"	150#	A02	½"	300#	A03	½"	600#
A04	½"	900#	A05	½"	1500#	A06	½"	2500#
A07	¾"	150#	A08	¾"	300#	A09	¾"	600#
A10	¾"	900#	A11	¾"	1500#	A12	¾"	2500#
A13	1"	150#	A14	1"	300#	A15	1"	600#
A16	1"	900#	A17	1"	1500#	A18	1"	2500#
A19	1¼"	150#	A20	1¼"	300#	A21	1¼"	600#
A22	1¼"	900#	A23	1¼"	1500#	A24	1¼"	2500#
A25	1½"	150#	A26	1½"	300#	A27	1½"	600#
A28	1½"	900#	A29	1½"	1500#	A30	1½"	2500#
A31	2"	150#	A32	2"	300#	A33	2"	600#
A34	2"	900#	A35	2"	1500#	A36	2"	2500#
A37	2½"	150#	A38	2½"	300#	A39	2½"	600#
A40	2½"	900#	A41	2½"	1500#	A42	2½"	2500#
A43	3"	150#	A44	3"	300#	A45	3"	600#
A46	3"	900#	A47	3"	1500#	A48	3"	2500#
A49	4"	150#	A50	4"	300#	A51	4"	600#
A52	4"	900#	A53	4"	1500#	A54	4"	2500#