

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

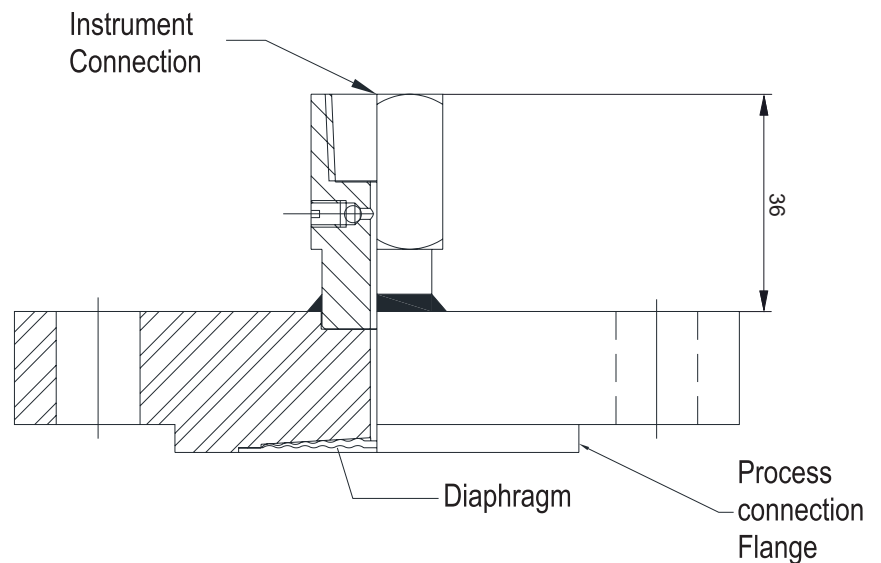
Flushed Diaphragm



STANDARD SPECIFICATIONS

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	-1...400 bar	Z01
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2. CHAMBER / FLANGE MATERIAL

MB	ASTM A105 / Carbon steel	MC	AISI 304 SS	MC
MF	AISI 316 SS	MG	AISI 316L SS	
MM	Monel	MO	Hastelloy C-276	
MV	Titanium	MW	Tantalum	

3. DIAPHRAGM MATERIAL

MG	AISI 316L SS	MM	Monel	MG
MF	AISI 316 SS	MV	Titanium	
MO	Hastelloy C-276			
MW	Tantalum			

4. INSTRUMENT CONNECTION

03B	3/8" BSP (F)	04N	1/2" NPT (F)	04N
02B	1/4" BSP (F)	04B	1/2" BSP (F)	
02N	1/4" NPT (F)			

5. SEALING FLUID

OA	Silicon	OA
OG	Glycerine	

6. PROCESS CONNECTION

XXX	Refer Flange Table for the codes	XXX
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7. FLANGE FACING

FF	Flat Face	
RJ	Ring-Type Joint	
RF	Raised Face	RF
TR	Tongue and Groove (T&G)	

8. PROTECTION ON WETTED PARTS

PA	PTFE coating on flange	PA
PC	PTFE coating on diaphragm	

9. ASSEMBLY

DR	Direct	DR
RE	Remote	

10. CAPILLARY

MC	AISI 304 SS	MF	AISI 316 SS	MF
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11. ARMOUR

MC	AISI 304 SS	MF	AISI 316 SS	MF
MP	PVC (Ambient max. 60°C)			

12. REMOTE MOUNTING LENGTH

XXXX	1000 mm up to 6000 mm	6000
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13. OTHER OPTIONS

TC	Material test certificate	TC
TN	NACE standards	

Ordering Example : BF-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.

Flange Table

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#