

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

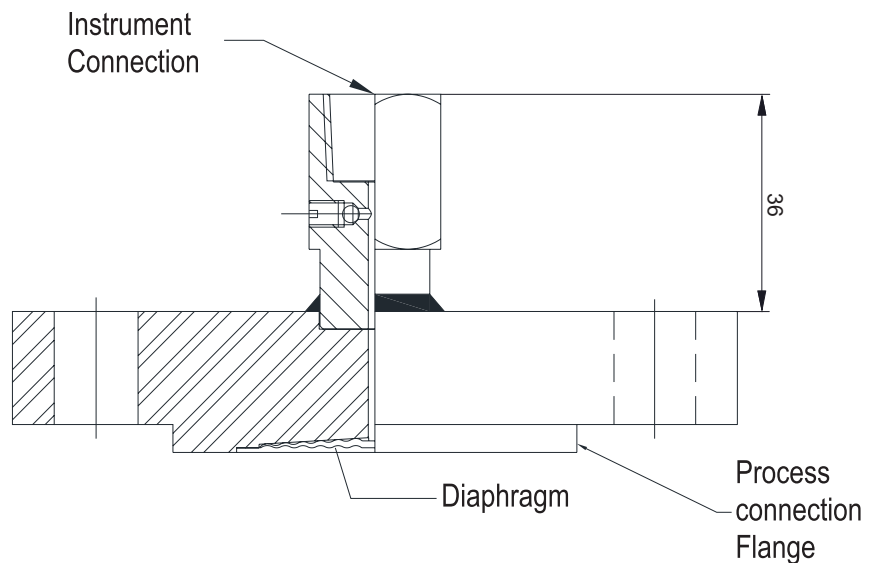
Flushed Diaphragm



STANDARD SPECIFICATIONS

Range type	: -1...0 bar to 0...400 bar
Chamber / Flange material	: AISI 316 SS
Diaphragm	: AISI 316 SS
Instrument connection	: 1/2" 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

S01	-1...400 bar	S01
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2. CHAMBER / FLANGE MATERIAL

LB	ASTM A105	LC	AISI 304 SS	LC
LF	AISI 316 SS	LG	AISI 316L SS	
LM	Monel	LO	Hastelloy C-276	
LV	Titanium	LW	Tantalum	

3. DIAPHRAGM MATERIAL

DG	AISI 316L SS	DM	Monel	DG
DB	AISI 316 SS	DV	Titanium	
DO	Hastelloy C-276			
DW	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

0A	Silicon	0A
0G	Glycerine	

6. PROCESS CONNECTION

XXX	Refer Flange Table for the codes	A25
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7. FLANGE FACING

F	Flat Face	
J	Ring-Type Joint	
R	Raised Face	R
T	Tongue and Groove (T&G)	

8. PROTECTION ON WETTED PARTS

PA	PTFE coating on flange	PA
PC	PTFE coating on diaphragm	

9. ASSEMBLY

B8	Direct	B8
B9	Remote (capillary)	

10. CAPILLARY

OU	AISI 304 SS	OV	AISI 316 SS	OV
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11. ARMOUR

OX	AISI 304 SS	OY	AISI 316 SS	OY
OZ	PVC (Ambient max. 60°C)			

12. REMOTE MOUNTING LENGTH

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

TC	Material test certificate	TC
TN	NACE standards	

Ordering Example : BF-S01-LC-DG-04N-OA-A25-R-PA-B8-OV-OY-TC

NOTES

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

02/03

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#
25A	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#