

Extended Neck Type



FEATURES

- Extended neck design
- Laser welded diaphragm
- Optional exotic materials

APPLICATIONS

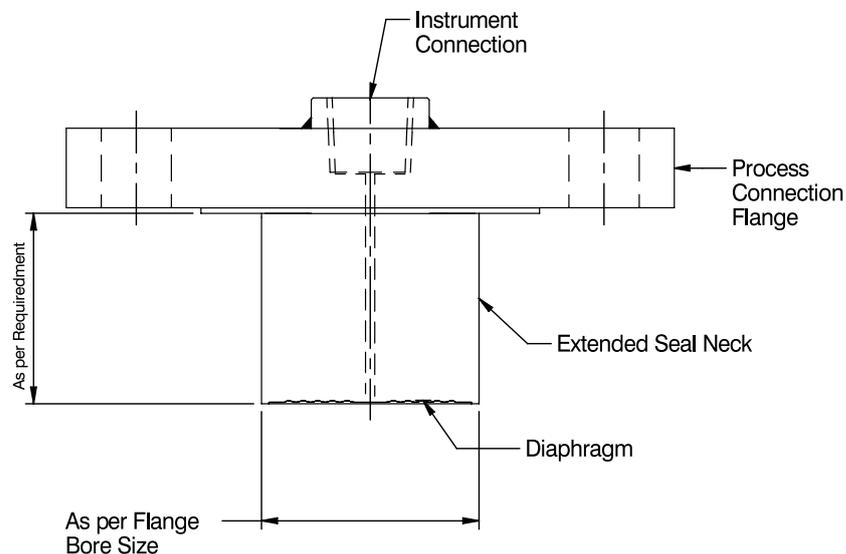
- Separation systems
- Isolation applications
- Viscous & corrosive media
- High-pressure applications
- High vibration application
- Slurry applications

STANDARD PARAMETERS

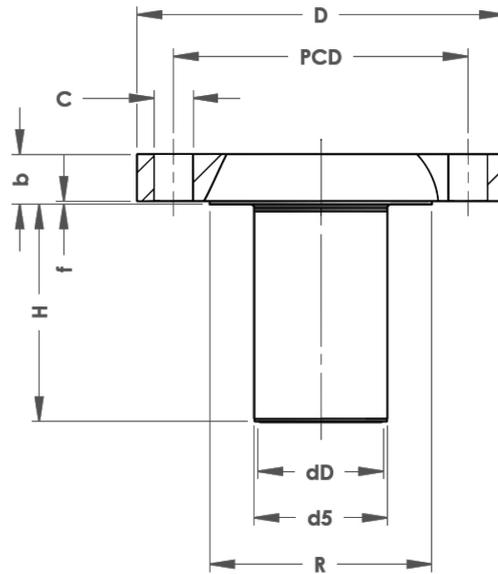
Range type	-1...0 bar to 0...250 bar
Chamber / Flange material	AISI 316 SS
Diaphragm	AISI 316 SS
Instrument connection	½" NPT (F)
Sealing fluid	Silicon
Process connection	As per ANSI B16.5
Flange facing type	Raised face
Protection on wetted parts	Optional
Neck extension	50...200 mm
Assembly	Direct
Capillary	Optional

Rev. 00

DIMENSIONAL DRAWING



01 / 04



Size	Rating	D	b	PCD	C / pcs	dD	d5	R	F
1.5"	cl. 150	127.0	17.9	98.6	15.9 / 4x	32.0	38.0	73.0	1.5
	cl. 300	155.0	21.1	114.3	22.3 / 4x				
	cl. 400-600		29.3						
	cl. 900-1500	178.0	38.8	124.0	28.6 / 4x				6.4
	cl. 2500	203.0	51.5	146.0	31.8 / 4x				
2"	cl. 150	152.0	19.5	120.6	19.1 / 4x	44.0	48.0	92	1.5
	cl. 300	165.0	22.7	127.0	19.1 / 8x				
	cl. 400-600		32.4						
	cl. 900-1500	216.0	45.1	165.1	25.4 / 8x				6.4
	cl. 2500	235.0	57.9	171.4	28.6 / 8x				
3"	cl. 150	190.0	24.3	152.4	19.1 / 4x	72.0	76.0	127.0	1.5
	cl. 300	210.0	29.0	168.1	22.3 / 8x				
	cl. 400-600		38.8						
	cl. 900	241.0	45.1	190.5	25.4 / 8x				6.4
	cl. 1500	267.0	54.7	203.2	31.9 / 8x				
	cl. 2500	305.0	73.7	228.6	35.0 / 8x				
4"	cl. 150	229.0	24.3	190.5	19.1 / 8x	81.0	93.0	157.2	1.5
	cl. 300	254.0	32.2	200.2	22.3 / 8x				
	cl. 400		42.0						
	cl. 600	273.0	45.1	215.9	25.5 / 8x				6.4
	cl. 900	292.0	51.5	235.0	31.8 / 8x				
	cl. 1500	311.0	61.0	241.3	34.9 / 8x				
	cl. 2500	356.0	83.2	273.0	41.3 / 8x				

ORDERING CODES

1. RANGE TYPE		Z42		8. PROTECTION ON WETTED PARTS		PA	
Z42	-1...250 bar			PA	PTFE coating on flange		
				PC	PTFE coating on diaphragm		
2. TOP CHAMBER MATERIAL		MF		9. NECK EXTENSION		100	
MF	AISI 316 SS			XXX	50mm up to 200mm		
MG	AISI 316L SS						
MM	Monel						
MO	Hastelloy C-276						
3. DIAPHRAGM MATERIAL		MG		10. ASSEMBLY		DR	
MG	AISI 316L SS			DR	Direct		
MF	AISI 316 SS			RE	Remote		
MM	Monel						
MO	Hastelloy C-276						
MW	Tantalum						
MV	Titanium						
4. INSTRUMENT CONNECTION		04N		11. CAPILLARY		MF	
03B	3/8" BSP (F)	04N	1/2" NPT (F)	MC	AISI 304 SS	MF	AISI 316 SS
02B	1/4" BSP (F)	04B	1/2" BSP (F)				
02N	1/4" NPT (F)						
5. SEALING FLUID		OA		12. ARMOUR		MF	
OA	Silicon			MC	AISI 304 SS	MF	AISI 316 SS
OG	Glycerine			MP	PVC (Ambient max. 60°C)		
6. PROCESS CONNECTION		XXX		13. REMOTE MOUNTING LENGTH		4000	
XXX	Refer Flange Table for the codes			XXXX	1000 mm up to 4000 mm		
7. FLANGE FACING		FF		14. OTHER OPTIONS		TC	
FF	Flat Face			TC	Material test certificate		
RJ	Ring-Type Joint			TN	NACE standards		
RF	Raised Face						
TR	Tongue and Groove (T&G)						

Ordering Example:

MT-S130FD-Z42-MF-MG-04N-OA-XXX-FF-PA-100-DR-MF-MF-4000-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#