

" I " section type



FEATURES

- " I " section extension type
- For flanges below 1½"
- Optional exotic materials

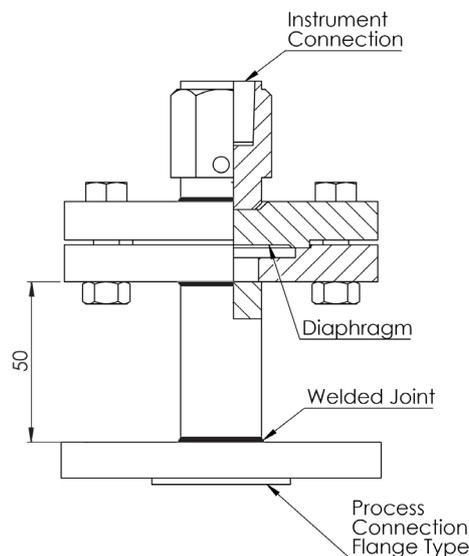
APPLICATIONS

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

STANDARD PARAMETERS

Range type	-1...400 bar
Top chamber material	AISI 316 SS
Diaphragm	AISI 316L SS
Gaskets	PTFE
Bottom chamber material	AISI 316 SS
Instrument connection	½" NPT (F) / ½" BSP (F)
Sealing fluid	Silicon
Process connection	Flange as per ANSI B16.5 / EN1092-1 / JIS B 2210
Flange facing type	Raised face
Assembly	Direct
Weight	~2873 g

DIMENSIONAL DRAWING



All dimensions are in mm.

ORDERING CODES

1. RANGE TYPE		Z01		8. PROCESS CONNECTION		XXX	
Z01	-1...400 bar			XXX	Refer Flange Table for the codes		
2. TOP CHAMBER MATERIAL		MC		9. FLANGE FACING		FF	
MB	ASTM A105 / Carbon steel			FF	Flat Face		
MC	AISI 304 SS			RJ	Ring-Type Joint		
MF	AISI 316 SS			RF	Raised Face		
MG	AISI 316L SS			TR	Tongue and Groove (T&G)		
3. DIAPHRAGM MATERIAL		MG		10. COUPLING FLANGES & HARDWARES		MH	
MG	AISI 316L SS	MM	Monel	MH	Carbon Steel with Black powder coated		
MF	AISI 316 SS	MQ	Inconel 600	MC	AISI 304 SS		
MO	Hastelloy C-276	MW	Tantalum	MF	AISI 316 SS		
MV	Titanium	MT	Gold Coated				
MS	Silver coated						
4. GASKETS		ME		11. PROTECTION ON WETTED PARTS		PL	
ME	PTFE	ML	Metal	PL	PTFE lining on bottom chamber ^{4,5}		
5. BOTTOM CHAMBER MATERIAL		ME		PB	PTFE protection for diaphragm		
MB	Carbon Steel / ASTM A105	MC	AISI 304 SS	PC	PTFE coating on diaphragm		
MF	AISI 316 SS	MG	AISI 316L SS				
MM	Monel	MO	Hastelloy C-276				
MV	Titanium	MW	Tantalum				
MP	PVC ¹	MK	PVDF ¹				
MJ	Polypropylene ¹	ME	PTFE ¹				
6. INSTRUMENT CONNECTION		04N		12. ASSEMBLY		DR	
03B	3/8" BSP (F)	04N	1/2" NPT (F)	DR	Direct		
02B	1/4" BSP (F)	04B	1/2" BSP (F)	RE	Remote		
02N	1/4" NPT (F)						
7. SEALING FLUID		OA		13. CAPILLARY		MF	
OA	Silicon			MC	AISI 304 SS	MF	AISI 316 SS
OG	Glycerine						
				14. ARMOUR		MF	
				MC	AISI 304 SS	MF	AISI 316 SS
				MP	PVC (Ambient max. 60°C)		
				15. REMOTE MOUNTING LENGTH		6000	
				XXXX	1000 mm up to 6000 mm		
				16. OTHER OPTIONS		TC	
				TC	Material test certificate		
				TN	NACE standards		

Ordering Example:

MT-S110FD-Z01-MC-MG-ME-ME-04N-OA-XXX-FF-MH-PL-DR-MF-MF-6000-TC

NOTES

1. Pressure rating up to 10 bar. Consult factory for details.
2. Other sealing liquids are available, contact factory for further details.
3. Not applicable with option PA & PC.
4. 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#