

Direct Coupled



FEATURES

- Forged chambers
- Rigid construction
- Laser welded diaphragm
- Optional exotic materials

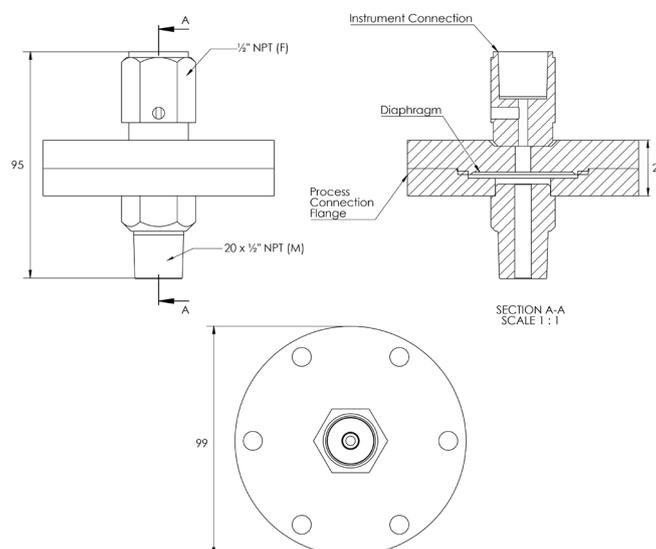
APPLICATIONS

- 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 316 SS
Gaskets	PTFE
Bottom chamber material	AISI 316 SS
Instrument connection	½" NPT (F) / ½" BSP (F)
Sealing fluid	Silicon
Process connection	½" NPT (M) / ½" BSP (M)
Assembly	Direct
Weight	~1540 g

DIMENSIONAL DRAWING



All dimensions are in mm.

ORDERING CODES

1. RANGE TYPE		Z01
Z01	-1...400 bar	

2. TOP CHAMBER MATERIAL				MC
MC	AISI 304 SS	MF	AISI 316 SS	
MG	AISI 316L SS	MM	Monel	
MO	Hastelloy C-276	MP	PVC	

3. DIAPHRAGM MATERIAL				MG
MG	AISI 316L SS	MM	Monel	
MF	AISI 316 SS	MV	Titanium	
MO	Hastelloy C-276	MW	Tantalum	
MV	Titanium	MP	PVC	
MS	Silver coated			

4. GASKETS			ME
ME	PTFE	ML	Metal

5. BOTTOM CHAMBER MATERIAL				ME
MC	AISI 304 SS	MF	AISI 316 SS	
MG	AISI 316L SS	MM	Monel	
MO	Hastelloy C-276	MV	Titanium	
MW	Tantalum	MP	PVC ¹	
ME	PTFE	MK	PVDF ¹	
MJ	Polypropylene ¹			

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

7. SEALING FLUID		OA
OA	Silicon	
OG	Glycerine	

8. PROCESS CONNECTION				12B
12B	1/4" BSP (M)	13B	3/8" BSP (M)	
14B	1/2" BSP (M)	15B	3/4" BSP (M)	
12N	1/4" NPT (M)	14N	1/2" NPT (M)	
15N	3/4" NPT (M)	14M	M20 x 1.5 (M)	
17M	M33 x 2.0 (M)	02N	1/4" NPT (F)	
04N	1/2" NPT (F)	05N	3/4" NPT (F)	
02B	1/4" BSP (F)	04B	1/2" BSP (F)	
05B	3/4" BSP (F)			

9. PROTECTION ON WETTED PARTS		PL
PL	PTFE lining on bottom chamber ^{4,5}	
PB	PTFE protection for diaphragm	
PC	PTFE coating on diaphragm	

10. ASSEMBLY		DR
DR	Direct	
RE	Remote	

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

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

13. REMOTE MOUNTING LENGTH		6000
XXXX	1000 mm up to 6000 mm	

14. OTHER OPTIONS		TC
TC	Material test certificate	
TN	NACE standards	

Ordering Example:

MT-S100TD-Z01-MC-MG-ME-ME-04N-OA-12B-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. All metal diaphragms are laser welded to the top chamber.
4. PTFE lining to be chosen on parallel threads.