



**Diaphragm Seal
with Retainer Flange**



**Diaphragm Seal
without Retainer Flange**

FEATURES

- Flush-mounted separating diaphragm of stainless steel
- Nominal pressure PN 600 and PN 1000
- Clamping flange, adjustable
- Volume optimised diaphragm base
- System fillings for different applications
- Measuring device connection:
 - Directly welded
 - Directly screwed
 - With capillary

APPLICATIONS

- Food industry
- Pharmaceutical industry
- Biotechnology
- Suitable for mounting to bourdon tube pressure gauges and pressure transmitters. The diaphragm seal is used for high pressure applications and for high viscous media.

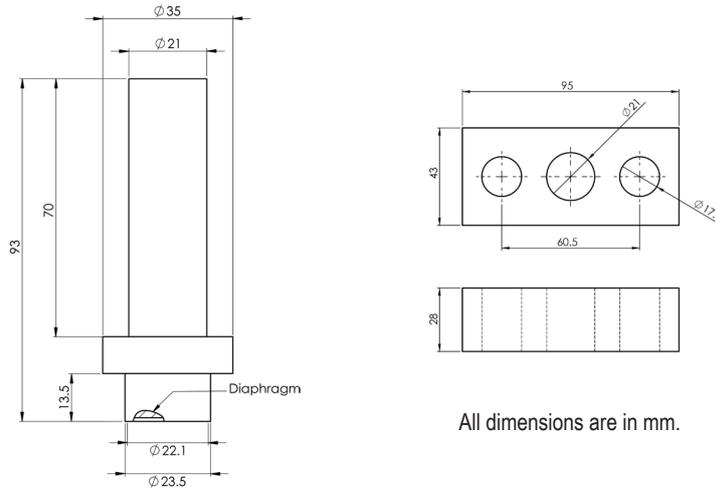
STANDARD PARAMETERS

Connection	1/2" NPT (F) Optional: 1/4" NPT (F) / 1/2" BSP (F)
Diaphragm	Flat diaphragm
Sealing fluid	Glycerine
Weight	~305 g

MATERIAL

Basic body	Stainless steel 316L
Clamping flange	Stainless steel 304
Material wetted parts	Diaphragm: Stainless steel 316L Further materials upon request Basic body: Stainless steel 316L
Measuring device connection	Stainless steel 304

DIMENSIONAL DRAWING



All dimensions are in mm.

ORDERING CODES

1. RANGE TYPE		B21		6. PROCESS CONNECTION		PO	
B21	0...160 bar			PN1	Retainer flange adjustable-PN 600		
B24	0...250 bar			PN2	Retainer flange adjustable-PN 1000		
B27	0...400 bar			PO	Without Clamping flange		
B29	0...600 bar						
B31	0...1000 bar						
2. CHAMBER / FLANGE MATERIAL		MC		7. ASSEMBLY		DR	
MB	ASTMA105 / Carbon steel	MC	AISI 304 SS	DR	Directly screwed		
MF	AISI 316 SS	MG	AISI 316L SS	DW	Directly welded		
MM	Monel	MO	Hastelloy C-276	RE	Remote		
MV	Titanium	MW	Tantalum				
3. DIAPHRAGM MATERIAL		MG		8. CAPILLARY		MF	
MG	AISI 316L SS	MM	Monel	MC	AISI 304 SS	MF	AISI 316 SS
MF	AISI 316 SS	MV	Titanium				
MO	Hastelloy C-276						
MW	Tantalum						
4. INSTRUMENT CONNECTION		04N		9. ARMOUR		MF	
02B	1/4" BSP (F)	04N	1/2" NPT (F)	MC	AISI 304 SS	MF	AISI 316 SS
02N	1/4" NPT (F)	04B	1/2" BSP (F)	MP	PVC (Ambient max. 60°C)		
5. SEALING FLUID		OG		10. REMOTE MOUNTING LENGTH		6000	
OG	Glycerine			XXXX	1000 mm up to 6000 mm		
11. OTHER OPTIONS		TC					
TC	Material test certificate						
TN	NACE standards						

Ordering Example: MT-S110SN-B21-MC-MG-04N-OG-PO-DR-MF-MF-6000-TC

NOTE

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