

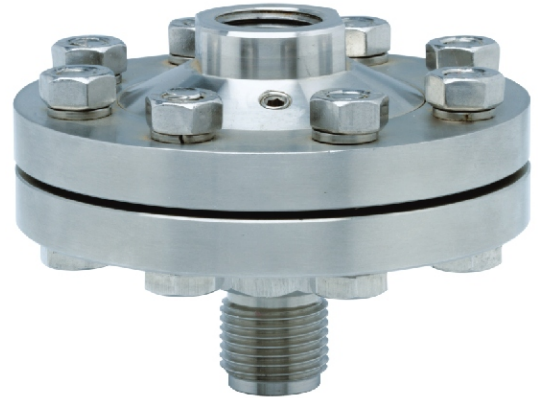
## FEATURES

- Rigid construction
- Laser welded diaphragm
- Optional exotic materials

## APPLICATION

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

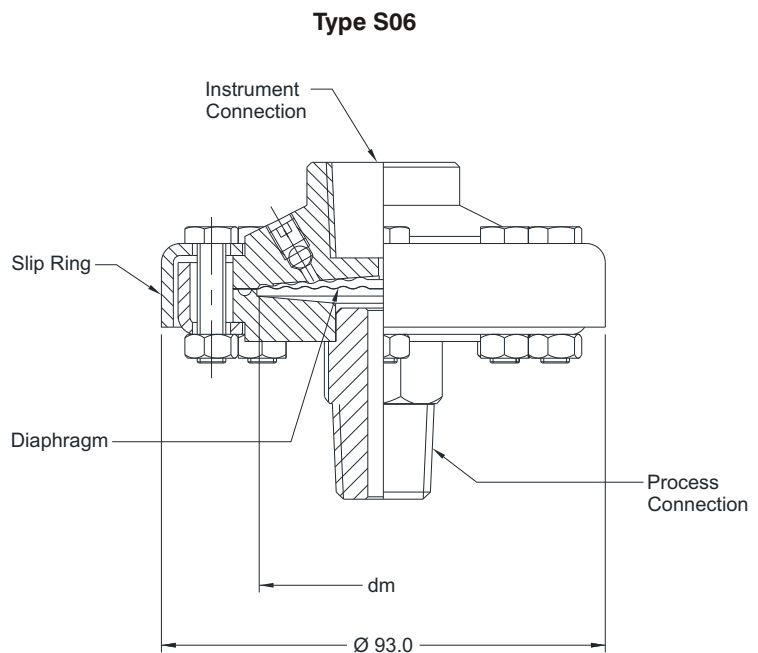
### Ring Coupled



### STANDARD SPECIFICATIONS

Range type	: -1...0 bar & 0...21 bar / -1...0 bar & 0...70 bar
	: -1...0 bar & 0...160 bar
Top chamber material	: AISI 304 SS
Diaphragm	: AISI 316L SS
Gaskets	: PTFE
Bottom chamber material	: AISI 316 SS
Instrument connection	: 1/2" NPT (F) / 1/2" BSP (F)
Sealing fluid	: Silicon DC 200 (-40...205°C)
Process connection	: 1/2" NPT (M) / 1/2" BSP (M)
Coupling flanges & hardware	: Pressed Steel - Cup design (plated) / AISI 304 SS
Assembly	: Direct

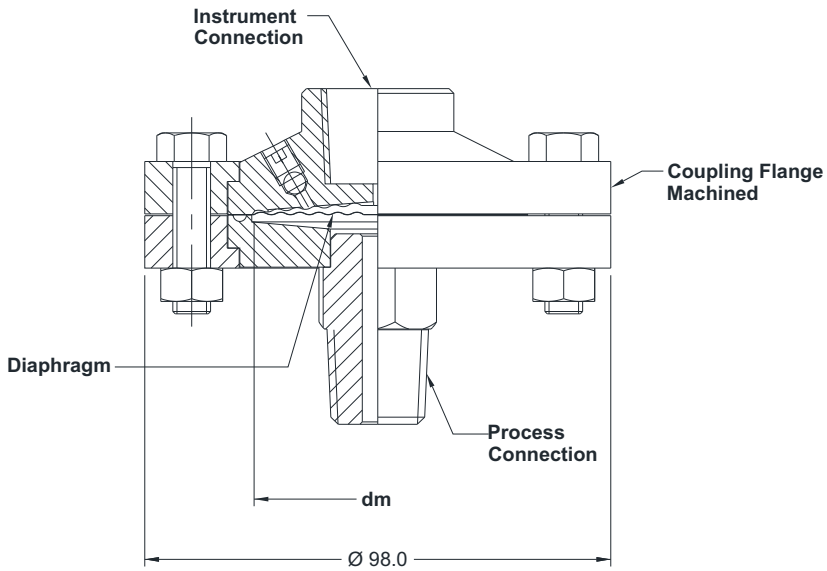
### DIMENSIONAL DRAWING



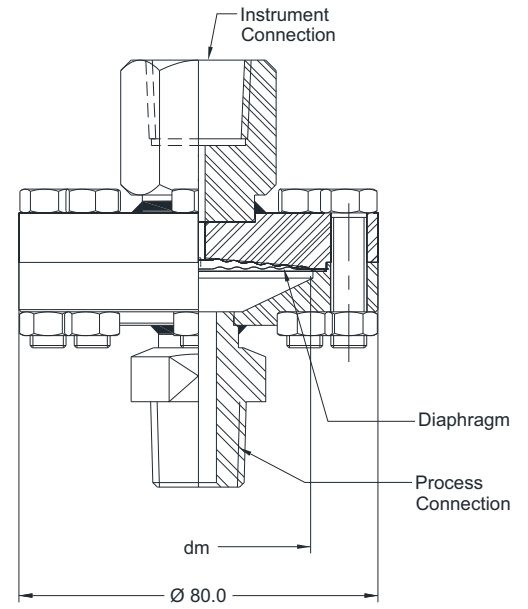
All dimensions are in mm.

DIMENSIONAL DRAWING

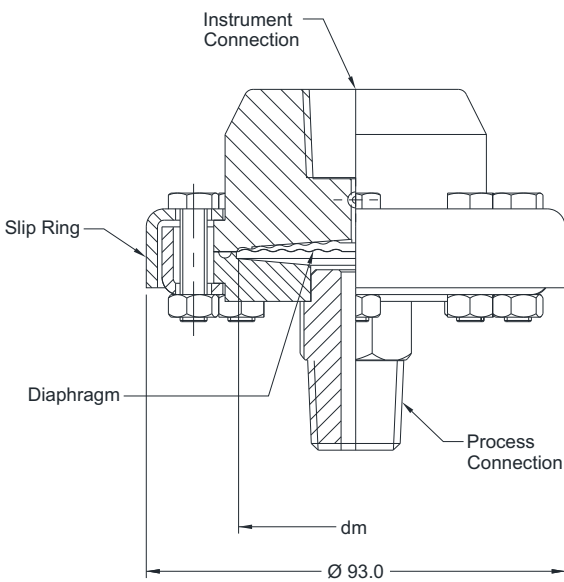
Type S07



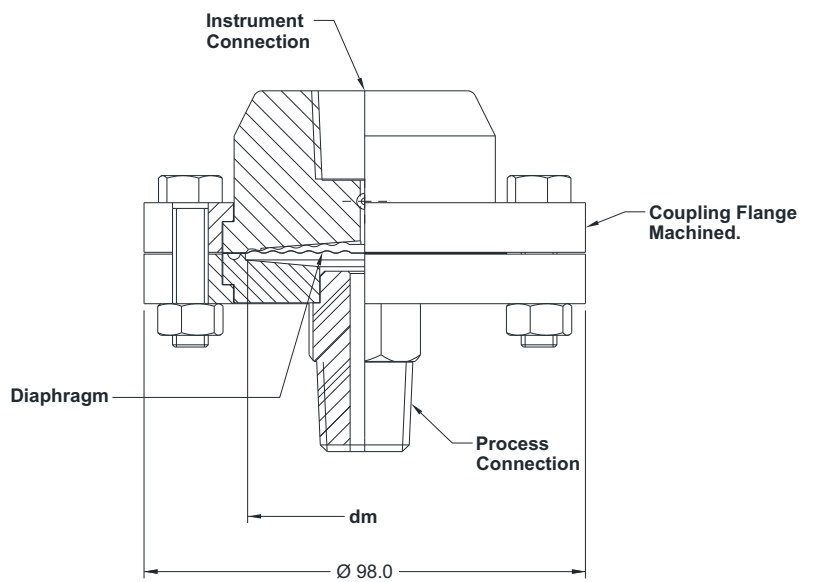
Type S08



Type S09



Type S10



ORDERING CODES				
<b>1. RANGE TYPE</b>				
<b>S06</b>	-1...0 bar & 0...21 bar		<b>S06</b>	
<b>S07</b>	-1...0 bar & 0...70 bar			
<b>S08</b>	-1...0 bar & 0...160 bar			
<b>S09</b>	-1...0 bar & 0...21 bar			
<b>S10</b>	-1...0 bar & 0...70 bar			
<b>2. TOP CHAMBER MATERIAL</b>				
<b>LC</b>	AISI 304 SS	<b>LF</b>	AISI 316 SS	
<b>LG</b>	AISI 316L SS			
<b>3. DIAPHRAGM MATERIAL</b>				
<b>DG</b>	AISI 316L SS	<b>DM</b>	Monel 400	
<b>DO</b>	Hastelloy C-276	<b>DQ</b>	Inconel 600	
<b>DV</b>	Titanium		<b>DW</b>	Tantalum
<b>D8</b>	Silver coated			
<b>4. GASKETS</b>				
<b>RP</b>	PTFE		<b>RM</b>	Metal
<b>5. BOTTOM CHAMBER MATERIAL</b>				
<b>NC</b>	AISI 304 SS	<b>NF</b>	AISI 316 SS	
<b>NG</b>	AISI 316L SS	<b>NM</b>	Monel 400	
<b>NO</b>	Hastelloy C-276		<b>NV</b>	Titanium
<b>NW</b>	Tantalum			
<b>N2</b>	PTFE <sup>5</sup>		<b>N3</b>	PVDF <sup>5</sup>
<b>N4</b>	PP <sup>5</sup>			
<b>6. INSTRUMENT CONNECTION</b>				
<b>03B</b>	3/8" BSP (F)	<b>04N</b>	1/2" NPT (F)	
<b>02B</b>	1/4" BSP (F)	<b>04B</b>	1/2" BSP (F)	
<b>02N</b>	1/4" NPT (F)			
<b>7. SEALING FLUID</b>				
<b>OA</b>	Silicon DC 200 [-40°C to 205°C]			
<b>OF</b>	Food grade oil [-20°C to 140°C]			
<b>OG</b>	Glycerine [10°C to 150°C]			
<b>OI</b>	Syltherm 800 [-40°C to 315°C]			
<b>OL</b>	Silicon DC 710 [7°C to 371°C]			
<b>8. PROCESS CONNECTION</b>				
<b>12B</b>	1/4" BSP (M)	<b>13B</b>	3/8" BSP (M)	
<b>14B</b>	1/2" BSP (M)	<b>12N</b>	1/4" NPT (M)	
<b>14N</b>	1/2" NPT (M)			
<b>04N</b>	1/2" NPT (F)			
<b>04B</b>	1/2" BSP (F)	<b>02B</b>	1/4" BSP (F)	
		<b>12M</b>	M20X1.5mm(M)	
<b>9. COUPLING FLANGES &amp; HARDWARES</b>				
<b>L0</b>	Pressed Steel - Cup design (plated)			
<b>LD</b>	AISI 304SS - Machined			
<b>LH</b>	AISI 316 SS - Machined			
<b>10. PROTECTION ON WETTED PARTS</b>				
<b>PA</b>	PTFE lining on bottom chamber <sup>3,4</sup>			
<b>PB</b>	PTFE protection for diaphragm			
<b>PC</b>	PTFE coating on diaphragm or wetted parts			
<b>11. ASSEMBLY</b>				
<b>B8</b>	Direct			
<b>B9</b>	Remote(capillary)			
<b>12. CAPILLARY</b>				
<b>OU</b>	AISI 304 SS	<b>OV</b>	AISI 316 SS	
<b>13. ARMOUR</b>				
<b>OX</b>	AISI 304 SS	<b>OY</b>	AISI 316 SS	
<b>OZ</b>	PVC (Ambient max. 60°C)			
<b>14. REMOTE MOUNTING LENGTH</b>				
<b>XXXX</b>	1000 mm up to 6000 mm			
<b>15. OTHER OPTIONS</b>				
<b>XZ</b>	Dry seal			
<b>HL</b>	Helium leak test			
<b>TM</b>	Material test certificate 2.2			
<b>TC</b>	Material test certificate 3.1			

Ordering Example : D102-S06-LC-DG-RP-NF-04N-OA-14N-L0-XX-B8

**NOTES:**

- Other sealing liquids are available, contact factory for further details.
- All metal diaphragms are laser welded to the Top Chamber.
- While choosing option PA for diaphragm DG, option PB has to be selected mandatory.
- PTFE lining to be chosen on parallel threads.
- Maximum pressure rating 10 bar.