

## FEATURES

- Large volume type design
- Flushed diaphragm
- Laser welded diaphragm
- Optional flushing ring
- Optional exotic materials

## APPLICATION

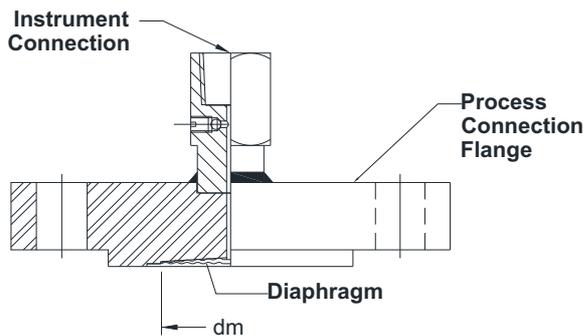
- Separation systems
- Isolation applications
- Viscous & corrosive media
- High-pressure applications
- High vibration application



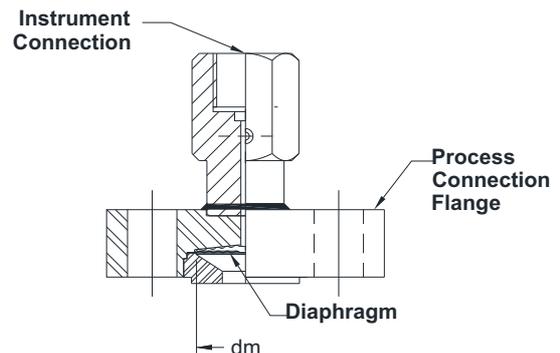
### STANDARD SPECIFICATIONS

Range type	: -1...0 bar to 0...400 bar
Chamber / Flange material	: AISI 316 SS
Diaphragm	: AISI 316L SS
Instrument connection	: 1/2" NPT (F) / 1/2" BSP (F)
Sealing fluid	: Silicon DC 200 (-40...205°C)
Process connection	: Flange as per ANSI B16.5 / EN1092-1 / JIS B 2210
Flange facing type	: Raised face
Assembly	: Direct

Type S45



Type S46



ORDERING CODES			
<b>1. RANGE TYPE</b>			<b>S46</b>
<b>S45</b>	-1...400 bar (Flange 1.5" & above)		
<b>S46</b>	4...400bar (Flange ½" to 1")		
<b>2. CHAMBER / FLANGE MATERIAL</b>			<b>LC</b>
<b>LB</b>	ASTM A105	<b>LC</b>	AISI 304 SS
<b>LF</b>	AISI 316 SS	<b>LG</b>	AISI 316L SS
<b>LM</b>	Monel 400	<b>LO</b>	Hastelloy C-276
<b>LV</b>	Titanium	<b>LW</b>	Tantalum
<b>3. DIAPHRAGM MATERIAL</b>			<b>DG</b>
<b>DG</b>	AISI 316L SS	<b>DM</b>	Monel 400
<b>DO</b>	Hastelloy C-276	<b>DV</b>	Titanium
<b>DW</b>	Tantalum		
<b>4. INSTRUMENT CONNECTION</b>			<b>04N</b>
<b>03B</b>	3/8" BSP (F)	<b>04N</b>	½" NPT (F)
<b>02B</b>	¼" BSP (F)	<b>04B</b>	½" BSP (F)
<b>02N</b>	¼" NPT (F)		
<b>5. SEALING FLUID</b>			<b>0A</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>6. PROCESS CONNECTION</b>			<b>A25</b>
<b>XXX</b>	Refer Flange Table for the codes		
<b>7. FLANGE FACING</b>			<b>R</b>
<b>F</b>	Flat Face		
<b>J</b>	Ring-Type Joint		
<b>R</b>	Raised Face		
<b>T</b>	Tongue and Groove (T&G)		
<b>8. PROTECTION ON WETTED PARTS</b>			<b>XX</b>
<b>PA</b>	PTFE coating on flange		
<b>PC</b>	PTFE coating on diaphragm		
<b>9. ASSEMBLY</b>			<b>XX</b>
<b>B8</b>	Direct		
<b>B9</b>	Remote (capillary)		
<b>10. CAPILLARY</b>			<b>XX</b>
<b>OU</b>	AISI 304 SS	<b>OV</b>	AISI 316 SS
<b>11. ARMOUR</b>			<b>XX</b>
<b>OX</b>	AISI 304 SS	<b>OY</b>	AISI 316 SS
<b>OZ</b>	PVC (Ambient max. 60°C)		
<b>12. REMOTE MOUNTING LENGTH</b>			<b>XXXX</b>
<b>XXXX</b>	1000 mm up to 6000 mm		
<b>13. OTHER OPTIONS</b>			<b>XX</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 : D202-S45-LC-DG-04N-OA-A25-R-XX-B8

APPLICABLE ACCESSORIES	
<b>A301</b>	Flushing Ring

MOUNTING KITS	
<b>Hardware</b>	Bolt / Nut / Washer
<b>Flanges</b>	Suitable mating type
<b>Gaskets</b>	Metal / Graphoil

**NOTES:**

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