

## FEATURES

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

## APPLICATION

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

### " I " section type

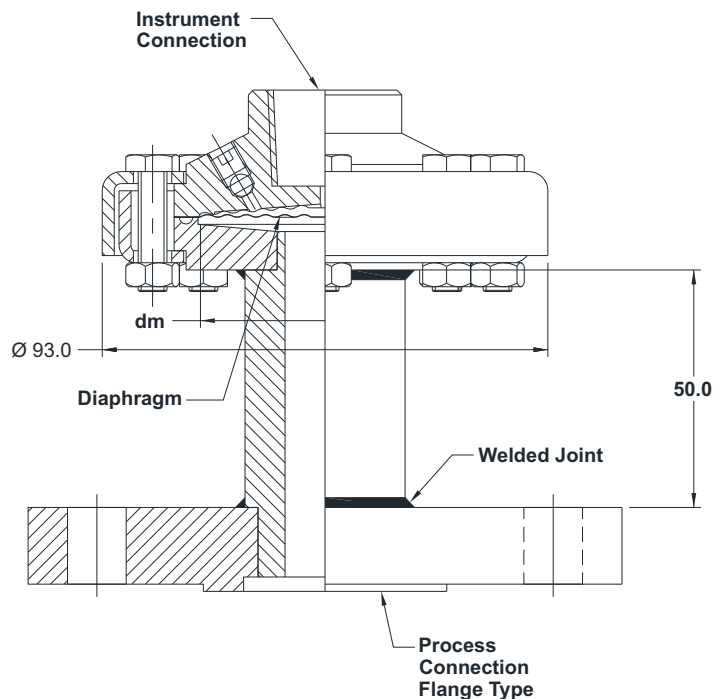


### STANDARD SPECIFICATIONS

Range type	: -1...0 bar to 0...21 bar / -1...0 bar to 0...70 bar /
	: 100...400 bar
Top chamber material	: AISI 304 SS
Diaphragm	: AISI 316L SS
Gaskets	: PTFE
Bottom chamber material	: AISI 316 SS
Instrument connection	: ½" NPT (F) / ½" 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
Coupling flanges & hardware	: Pressed Steel - Cup design (plated) / AISI 304 SS
Assembly	: Direct

### DIMENSIONAL DRAWING

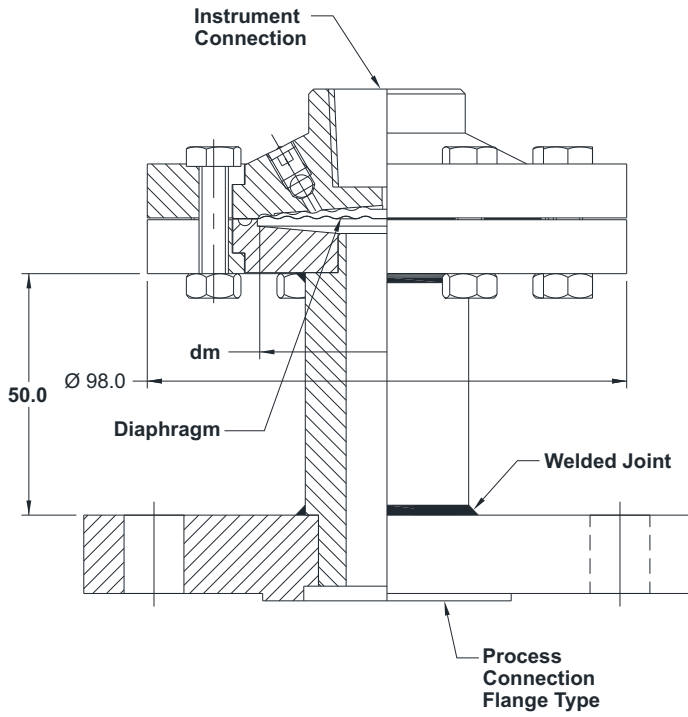
Type S21



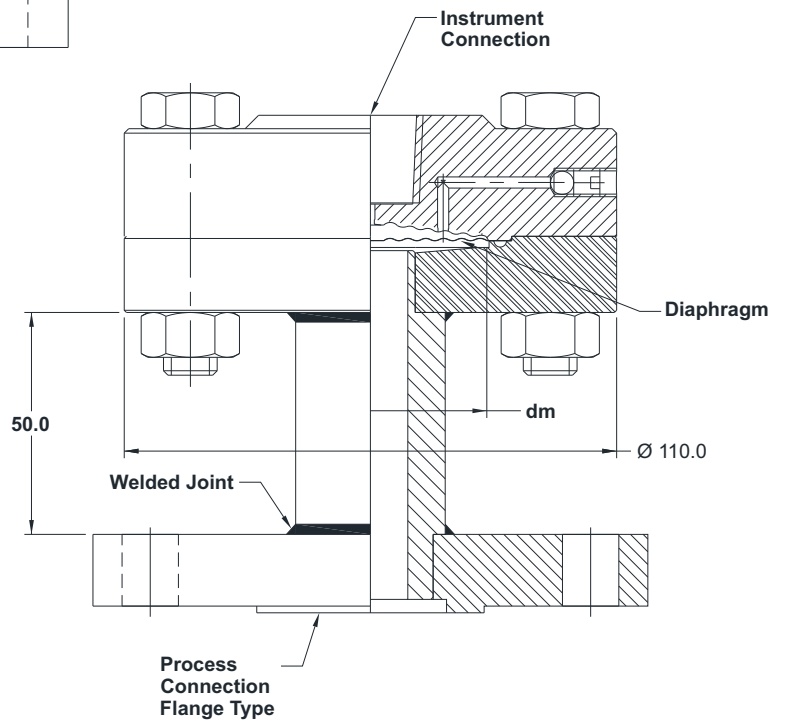
All dimensions are in mm.

DIMENSIONAL DRAWING

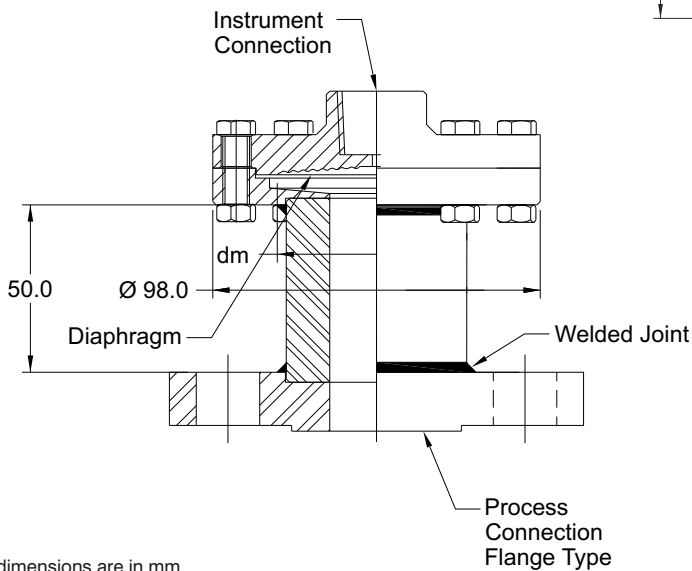
Type S22



Type S23



Type S23



All dimensions are in mm.

APPLICABLE ACCESSORIES

A301 Flushing Ring

## ORDERING CODES

## 1. RANGE TYPE

<b>S21</b>	-1...0 bar to 0...21 bar
<b>S22</b>	-1...0 bar to 0...70 bar
<b>S23</b>	100...400 bar
<b>S24</b>	-1...0 bar to 0...70 bar

S21

## 2. TOP CHAMBER MATERIAL

<b>LB</b>	ASTM A105, Ni-plated
<b>LC</b>	AISI 304SS
<b>LF</b>	AISI 316 SS
<b>LG</b>	AISI 316L SS

LC

## 3. DIAPHRAGM MATERIAL

<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>D9</b>	Gold Coated

DG

## 4. GASKETS

<b>RP</b>	PTFE	<b>RM</b>	Metal
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RP

## 5. BOTTOM CHAMBER MATERIAL (I-Section)

<b>NB</b>	ASTM A105	<b>NC</b>	AISI 304SS
<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>N1</b>	PVC <sup>1</sup>	<b>N3</b>	PVDF <sup>1</sup>
<b>N4</b>	Polypropylene <sup>1</sup>	<b>N2</b>	PTFE <sup>1</sup>

NF

## 6. INSTRUMENT CONNECTION

<b>03B</b>	3/8" BSP (F)	<b>04B</b>	1/2" BSP (F)
<b>02B</b>	1/4" BSP (F)	<b>04N</b>	1/2" NPT (F)
<b>02N</b>	1/4" NPT (F)		

04N

## 7. SEALING FLUID

<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]

OA

## 8. PROCESS CONNECTION

<b>XXX</b>	Refer Flange Table for the codes
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A13

## 9. FLANGE FACING

<b>F</b>	Flat Face
<b>J</b>	Ring-Type Joint
<b>R</b>	Raised Face
<b>T</b>	Tongue and Groove (T&G)

R

10. COUPLING FLANGES & HARDWARES<sup>3</sup>

<b>LA</b>	ASTM A105 / CS with Black powder coated <sup>3</sup>
<b>LD</b>	AISI 304SS
<b>LH</b>	AISI 316 SS

LA

## 11. PROTECTION ON WETTED PARTS

<b>PA</b>	PTFE lining on bottom chamber <sup>5</sup>
<b>PB</b>	PTFE protection for diaphragm
<b>PC</b>	PTFE coating on diaphragm or wetted parts

PA

## 12. ASSEMBLY

<b>B8</b>	Direct
<b>B9</b>	Remote (capillary)

B8

## 13. CAPILLARY

<b>OU</b>	AISI 304SS	<b>OV</b>	AISI 316 SS
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XX

## 14. ARMOUR

<b>OX</b>	AISI 304SS	<b>OY</b>	AISI 316 SS
<b>OZ</b>	PVC (Ambient max. 60°C)		

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## 15. REMOTE MOUNTING LENGTH

<b>XXXX</b>	1000 mm up to 6000 mm
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XXXX

## 16. OTHER OPTIONS

<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

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## Ordering Example : D201-S21-LC-DG-RP-NF-04N-OA-A13-R-LA-XX-B8

## 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.
5. While choosing option PA for diaphragm DG, option PB has to be selected mandatory.