

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

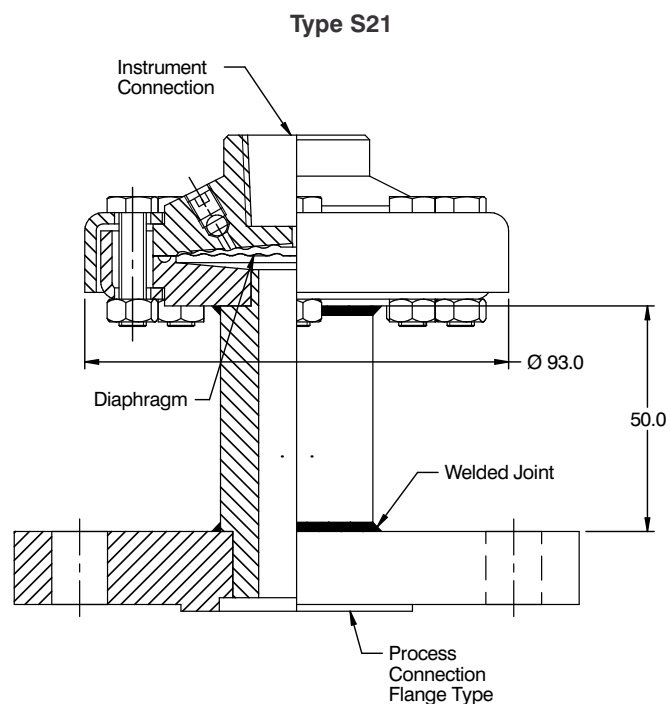
" I " section type



STANDARD SPECIFICATIONS

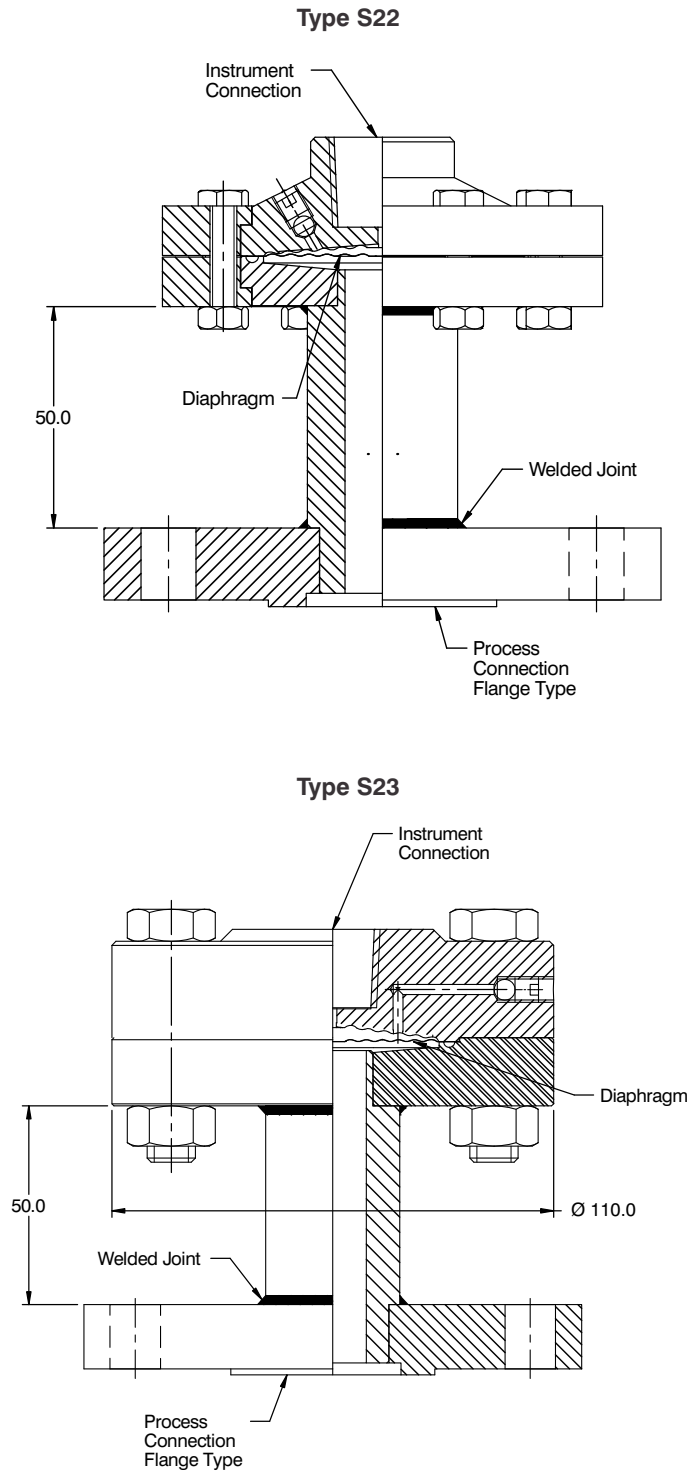
| | |
|-----------------------------|---|
| Range type | : -1...0 bar to 0...21 bar / 0...70 bar |
| Top chamber material | : AISI 304 SS |
| Diaphragm | : AISI 316L SS |
| Gaskets | : PTFE |
| Bottom chamber material | : AISI 316 SS |
| Instrument connection | : ½" NPT (F) |
| Sealing fluid | : Silicon DC 200 (-40...205°C) |
| Process connection | : 1" 150# as per ANSI B16.5 |
| Flange facing type | : Raised face |
| Coupling flanges & hardware | : Pressed Steel - Cup design (plated) / AISI 304 SS |
| Protection on wetted parts | : Optional |
| Assembly | : Direct |
| Capillary | : Optional |
| Armour | : Optional |
| Remote mounting length | : Optional |

DIMENSIONAL DRAWING



All dimensions are in mm.

DIMENSIONAL DRAWING



All dimensions are in mm.

APPLICABLE ACCESSORIES

A301 Flushing Ring

ORDERING CODES

1. RANGE TYPE

| | |
|------------|--------------------------|
| S21 | -1...0 bar to 0...21 bar |
| S22 | -1...0 bar to 0...70 bar |
| S23 | 100...400 bar |

2. TOP CHAMBER MATERIAL

| | |
|-----------|----------------------|
| LB | ASTM A105, Ni-plated |
| LC | AISI 304SS |
| LF | AISI 316 SS |
| LG | AISI 316L SS |

3. DIAPHRAGM MATERIAL

| | | | |
|-----------|-----------------|-----------|-------------|
| DG | AISI 316L SS | DM | Monel 400 |
| DO | Hastelloy C-276 | DQ | Inconel 600 |
| DV | Titanium | DW | Tantalum |
| D8 | Silver coated | D9 | Gold Coated |

4. GASKETS

| | | | |
|-----------|------|-----------|-------|
| RP | PTFE | RM | Metal |
|-----------|------|-----------|-------|

5. BOTTOM CHAMBER MATERIAL (I-Section)

| | | | |
|-----------|----------------------------|-----------|-------------------|
| NB | ASTM A105 | NC | AISI 304SS |
| NF | AISI 316 SS | NG | AISI 316L SS |
| NM | Monel 400 | NO | Hastelloy C-276 |
| NV | Titanium | NW | Tantalum |
| N1 | PVC ¹ | N3 | PVDF ¹ |
| N4 | Polypropylene ¹ | N2 | PTFE ¹ |

6. INSTRUMENT CONNECTION

| | |
|------------|--------------|
| 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 | Silicon DC 200 [-40°C to 205°C] |
| OF | Food grade oil [-20°C to 140°C] |
| OG | Glycerine [10°C to 150°C] |
| OI | Syltherm 800 [-40°C to 315°C] |
| OL | Silicon DC 710 [7°C to 371°C] |

8. PROCESS CONNECTION

| | |
|------------|----------------------------------|
| XXX | Refer Flange Table for the codes |
|------------|----------------------------------|

9. FLANGE FACING

| | |
|----------|-------------------------|
| F | Flat Face |
| J | Ring-Type Joint |
| R | Raised Face |
| T | Tongue and Groove (T&G) |

10. COUPLING FLANGES & HARDWARES³

| | |
|-----------|--|
| LA | ASTM A105 / CS with Black powder coated ³ |
| LD | AISI 304SS |
| LH | AISI 316 SS |

11. PROTECTION ON WETTED PARTS

| | |
|-----------|--|
| PA | PTFE lining on bottom chamber ⁵ |
| PB | PTFE protection for diaphragm |
| PC | PTFE coating on diaphragm or wetted parts |

12. ASSEMBLY

| | |
|-----------|--------------------|
| B8 | Direct |
| B9 | Remote (capillary) |

13. CAPILLARY

| | | | |
|-----------|------------|-----------|-------------|
| OU | AISI 304SS | OV | AISI 316 SS |
|-----------|------------|-----------|-------------|

14. ARMOUR

| | | | |
|-----------|-------------------------|-----------|-------------|
| OX | AISI 304SS | OY | AISI 316 SS |
| OZ | PVC (Ambient max. 60°C) | | |

15. REMOTE MOUNTING LENGTH

| | |
|-------------|-----------------------|
| XXXX | 1000 mm up to 6000 mm |
|-------------|-----------------------|

16. OTHER OPTIONS

| | |
|-----------|-------------------------------|
| XZ | Dry seal |
| HL | Helium leak test |
| TM | Material test certificate 2.2 |
| TC | Material test certificate 3.1 |

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.