

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

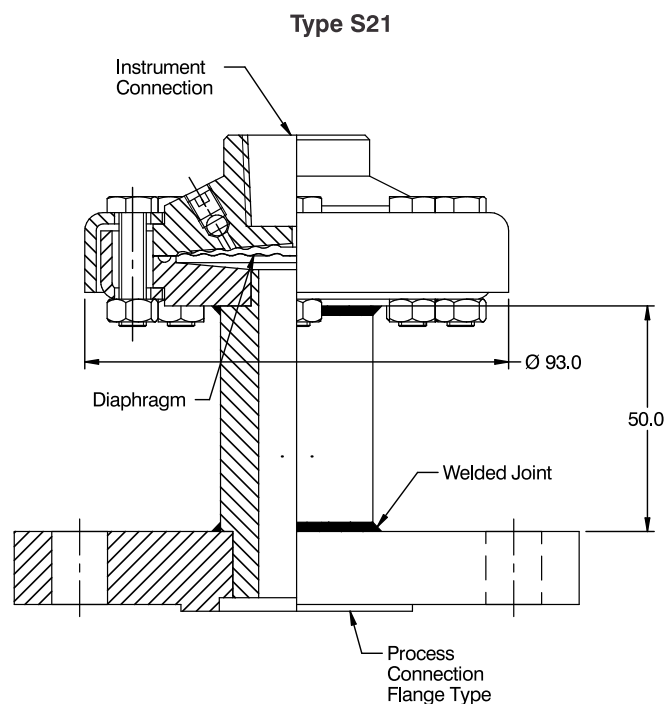
" I " section type



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

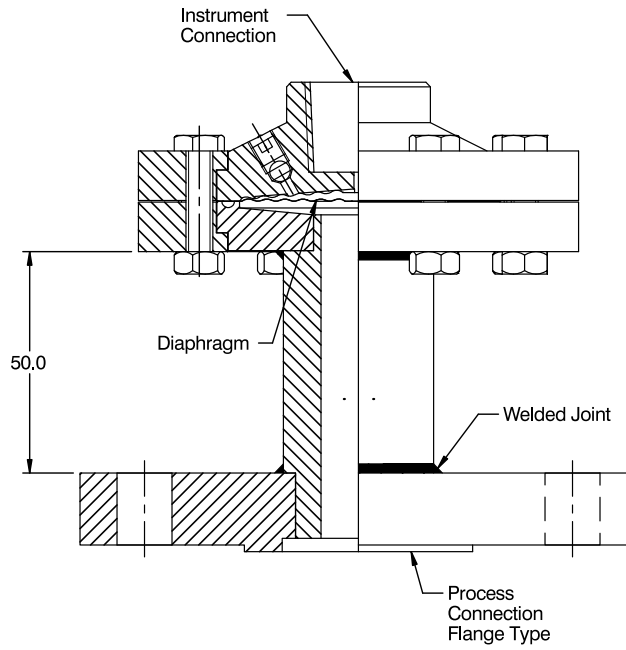
DIMENSIONAL DRAWING



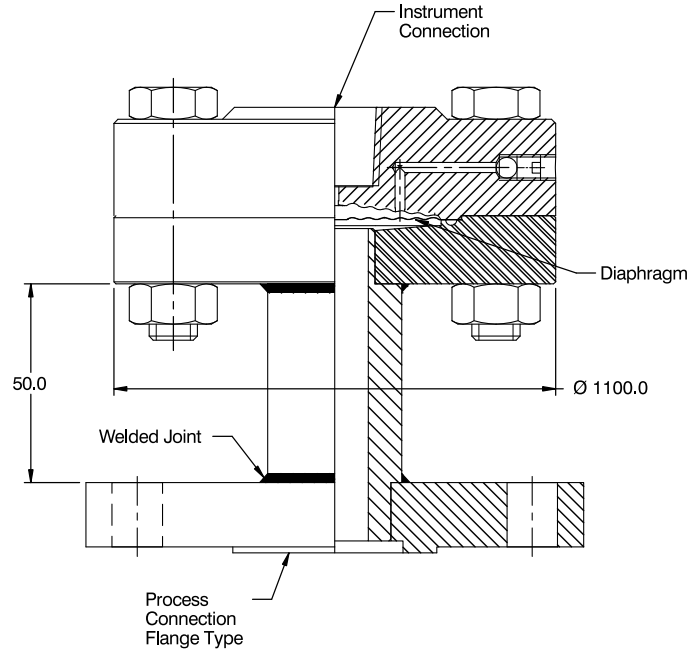
All dimensions are in mm.

DIMENSIONAL DRAWING

Type S22



Type S23



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

S21

2. TOP CHAMBER MATERIAL

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

LC

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

DG

4. GASKETS

RP	PTFE	RM	Metal
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RP

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

NF

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)

04N

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]

OA

8. PROCESS CONNECTION

XXX	Refer Flange Table for the codes
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A13

9. FLANGE FACING

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

R

10. COUPLING FLANGES & HARDWARES³

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

LA

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

PA

12. ASSEMBLY

B8	Direct
B9	Remote (capillary)

B8

13. CAPILLARY

OU	AISI 304SS	OV	AISI 316 SS
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XX

14. ARMOUR

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

XX

15. REMOTE MOUNTING LENGTH

XXXX	1000 mm up to 6000 mm
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XXXX

16. OTHER OPTIONS

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

XX

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.