



DS2-SERIES

SANITARY DIAPHRAGM SEAL – CLAMPING FASTENING

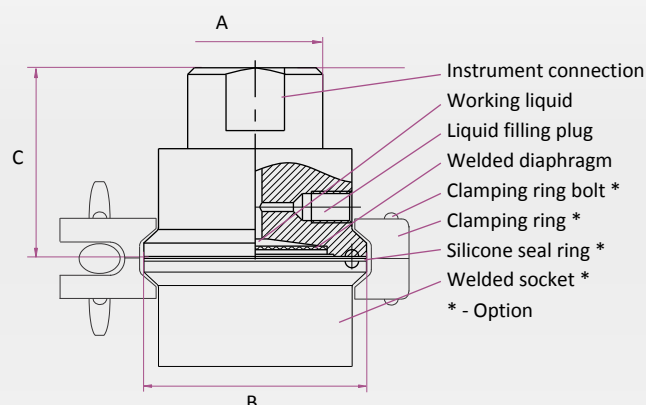


FEATURES



- Laser and plasma double welding standard
- Standard mounting to ISO 2852 and DIN 32676
- Clamping ring and welded lower body as option
- Wide hygienic application
- Stainless steel wetted parts and construction
- Hygienic process application
- Nontoxic silicone liquid filling
- Easy cleaning and maintenance
- Pressure range -1..0, 0..1 up to 40 bar

TECHNICAL DIMENSION & OPTIONAL PART

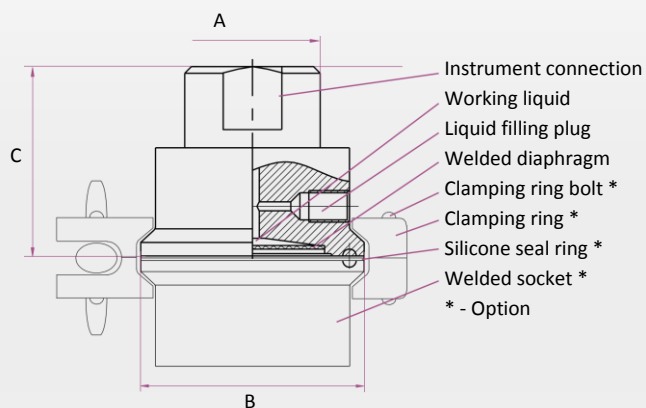


TECHNICAL SPECIFICATION

- **Design configuration**
Clamping ring fastening Diaphragm diameter
- **Fastening standard**
ISO 2852, DIN 32676, *NF E 29521
- **Working temperature range Process**
-10°..+130°C Ambient -10°..+40°C
Please refer to filling selection table
- **Design pressure range**
-1 bar..0, 0..1 up to 40 bar
- **Instrument Accuracy (Pressure gauge)**
SS Series : Class 1.6
SX Series : Class 1.0
- **Connection size**
G1/2, G1/4 or NPT
- **Wetted parts material**
SS 316L
- **Diaphragm**
SS 316L, double laser weld
- **Accessories (*Option)**
Stainless steel capillary
Cooling tube - Spring
Cooling tube - Mini
Cooling tube - Tube
Angle tube



DESIGN SIZE & OPERATING PRESSURE



Model	Product Sizing and Weight					Pressure Gauge	
	DN	A	B	C	Weight	Ø63mm	Ø100mm
DCS511	1"	G½	50.5	42.5	0.34	10 ..25	N/A
ISO 2852	1½"	G½	50.5	42.5	0.40	4 ..40	4 ..40
	2"	G½	64	42.5	0.72	1.6..40	2.5..40
DCS552	DN25	G½	50.5	42.5	0.34	10..25	N/A
DIN32676	DN32	G½	50.5	42.5	0.38	4 ..40	10 ..40
	DN40	G½	50.5	42.5	0.40	4 ..40	10 ..40
	DN50	G½	64	42.5	0.60	1.6..40	2.5..40

Table Options for Filling Working Fluid

Filling Fluid	Diaphragm Seal (°C)	Service
Silicon (Standard)	-40°..+130°	Food and industry
Glycerine oil	-5° ..+100°	Food
Propylene glycol	-30°..+100°	Food

ORDERING CODE



1 DIAPHRAGM

	Model and Standard
551	ISO 2852 clamp connection
552	DIN 32676 clamp connection

2 SIZE

	DN Size
2	DN25 or 1"
3	DN32
4	DN40 or 1½"
5	DN50 or 2"

3 INSTRUMENT CONNECTION

	Instrument Connection
G2	G 1/2" (Standard)
N2	1/2" NPT
G4	G 1/4"
N4	1/4" NPT

4 FILLING

	Diaphragm Filling
A	Standard silicone -40°..+130°C
B	Glycerine oil -5° ..+100°C
C	Propylene glycol -30°..+100°C

5 OPTION

	Option
AC	Capillary (Meter), eg. AC5 - 5 meters
C1	Cooling tube AR100 (Spring)
C2	Cooling tube AR200 (Mini)
C3	Cooling tube AR300 (Tube)
CP	Tri-Clamp + End welded body + Seal