

Sanitary Diaphragm Seal -Clamping Fastening

DC550 Series

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
- Non toxic silicone liquid filling
- Easy cleaning and maintenance
- Pressure range -1..0, 0..1 up to 40 bar

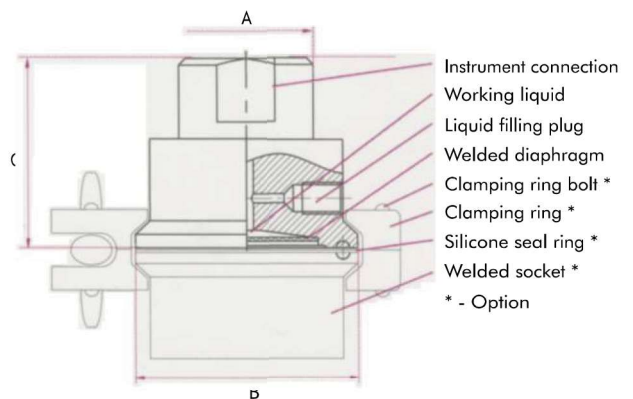
Technical Specification



- Design configuration
Clamping ring fastening
- 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)
SF Series : Class 1.6
SF Series : Class 1.0
- Connection Size
G $\frac{1}{2}$, G $\frac{1}{4}$ 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



Technical Dimension and Optional Parts



Design Size and Operating Pressure



| Model | Product Characteristic | | | | | Press. Range (Bar) | |
|--------------------|------------------------|-----------------|------|------|--------|--------------------|----------|
| | DN (mm) | A | B | C | Weight | Ø63mm | Ø100mm |
| DCS551 ISO 2852 | 1" | G $\frac{1}{2}$ | 50.5 | 42.5 | 0.34 | 10 ..25 | N/A |
| | 1 $\frac{1}{2}$ " | G $\frac{1}{2}$ | 50.5 | 42.5 | 0.40 | 4 ..40 | 10 ..40 |
| | 2" | G $\frac{1}{2}$ | 64 | 42.5 | 0.72 | 1,6..40 | 2.5 ..40 |
| DCS552 DIN32676 | DN25 | G $\frac{1}{2}$ | 50.5 | 42.5 | 0.34 | 10 ..25 | N/A |
| | DN32 | G $\frac{1}{2}$ | 50.5 | 42.5 | 0.38 | 4 ..40 | 10 ..40 |
| | DN40 | G $\frac{1}{2}$ | 50.5 | 42.5 | 0.40 | 4 ..40 | 10 ..40 |
| | DN50 | G $\frac{1}{2}$ | 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°C | Food and industry |
| Glycerine oil | -5°..+ 80°C | Food |
| Propylene glycol | -30°..+100°C | Food |

Ordering Code



DC^① - Size^② - Instrument Connection^③ - Filling^④ *Option^⑤

| ① | Model and Standard |
|-----|----------------------------|
| 551 | ISO 2852 clamp connection |
| 552 | DIN 32676 clamp connection |

| ② | DN Size |
|---|---------------------------|
| 2 | DN25 or 1" |
| 3 | DN32 |
| 4 | DN40 or 1 $\frac{1}{2}$ " |
| 5 | DN50 or 2" |

| ③ | Instrument Connection |
|----|------------------------------|
| G2 | G $\frac{1}{2}$ " (Standard) |
| N2 | $\frac{1}{2}$ "NPT |
| G4 | G $\frac{1}{4}$ " |
| N4 | $\frac{1}{4}$ " NPT |

| ④ | Diaphragm Filling |
|---|--------------------------------|
| A | Standard silicone -40°..+130°C |
| B | Glycerine oil -5°..+ 80°C |
| C | Propylene glycol -30°..+100°C |

| ⑤ | Option |
|----|--------------------------------------|
| AC | Capillary (Meter), eg. AC5 -5 meters |
| C1 | Cooling tube AR100 (Spring) |
| C2 | Cooling tube AR200 (Mini) |
| C3 | Cooling tube AR 300 (Tube) |
| C4 | Tri-Clamp + End welded body + Seal |

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