

Product data sheet

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DS002 - DIAPHRAGM SEAL - FLANGED FLUSH TYPE



Product features:

- Flush diaphragm
- Welded diaphragm seal
- Flange designed as per ANSI B 16.5.
- Various fill fluids available
- Wide flange sizes and pressure ratings
- A choice of diaphragm materials to allow suitability with a wide range of processes.
- **Brannan** quality

Applications:

- Oil and gas.
- Process Industry
- Chemical/Petrochemical

Standard product specifications:

| | |
|--------------------------------|---|
| Type | Machined flange with welded flush diaphragm |
| Design | ANSI B 16.5 (contact us for DIN design) |
| Flange size | 1½", 2" or 3" |
| Pressure rating | 150 lbs to 2500 lbs |
| Mounting | Direct mounting (please contact us for remote mounting options) |
| Flange facing | Raised face |
| Diaphragm material | Stainless steel 316L, Hastelloy C, Inconel, Monel, Tanatium. |
| Flange material | Stainless steel 316, Stainless steel 316L, Hastelloy C |
| Instrument connection material | Stainless steel 304 |
| Instrument connection | 1/4", 3/8" or 1/2" BSP/NPT Female |
| Max pressure | Dependent on flange rating |
| Process temperature | Dependent on fill fluid, see below for details |
| Filling fluid | Glycerine (-18 to 204°C) Silicone (-40 to +305°C) Halocarbon (-56 to 149°C) Syltherm 800 (-40 to +400°C) |
| Fill port | Upper housing - set screw |

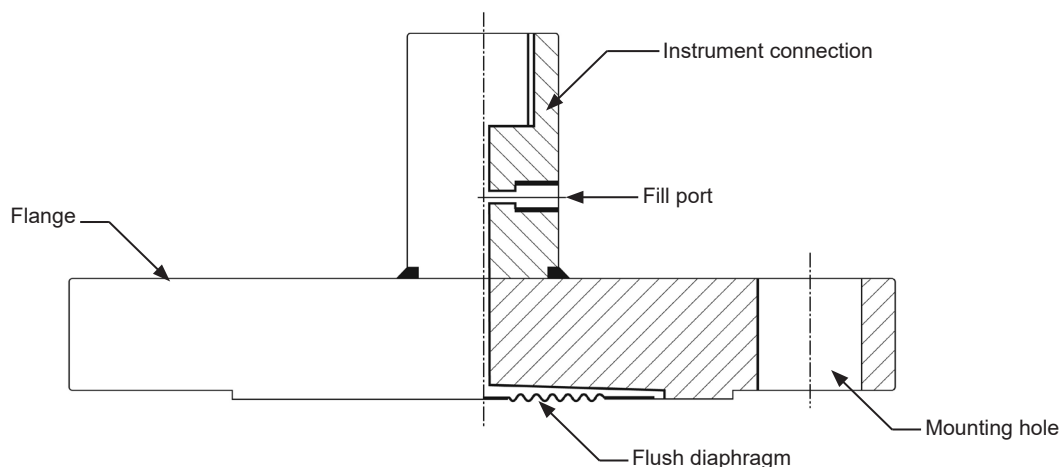
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Product dimensions:



Product numbers:

All DS002 diaphragm seals are ordered to specific customer specifications. Please use below matrix to create your unique product reference, using the values in bold.

| Make | Model | Diaphragm material | Instrument connection | Flange size | Rating | Filling fluid | Extras |
|--------------------------------------|--------------|--------------------|-----------------------|-----------------|--------------------------------------|------------------------------|----------------------------------|
| Brannan (BRN) | DS002 (DS02) | SS 316L (316L) | 1/4" BSP (3) | 1½" (1.5) | 150 lbs (150) | Glycering (-18 to 204°C) (G) | Materials Test Certificate (MTC) |
| | | Monel (MON) | 1/4" NPT (4) | 2" (2) | 300 lbs (300) | Silicone (-40 to +305°C) (S) | |
| | | | 3/8" BSP (5) | 3" (3) | 600 lbs (600) | | |
| | | | 3/8" NPT (6) | 900 lbs (900) | | | |
| | | Hastelloy C (HAS) | 1/2" BSP (7) | 1500 lbs (1500) | Halocarbon (-56 to 149°C) (H) | | |
| | | Inconel (INC) | 1/2" NPT (8) | 2500 lbs (2500) | Syltherm 800 (-40 to +400°C) (SY800) | | |
| | | Tantalum (TAN) | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| NB. Other units available on request | | | | | | | |

Order example:

| Make | Model | Diaphragm material | Instrument connection | Flange size | Rating | Filling fluid | Extras |
|------|-------|--------------------|-----------------------|-------------|--------|---------------|--------|
| BRN | DS02 | 316L | 4 | 1.5 | 150 | S | |

Product reference: BRNDS02/316L/4/1.5/150/S