

# DS005

## Diaphragm seal - High pressure seal



### Product features:

- Fully welded design
- Compact
- Stainless steel construction (other materials also available)
- **Brannan** quality

### Applications:

- Oil and gas
- Process industry
- Chemical and petrochemical

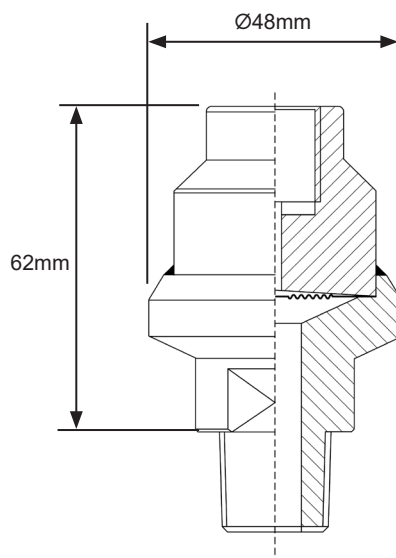
### Standard product specifications:

|                       |                                                                                                                 |
|-----------------------|-----------------------------------------------------------------------------------------------------------------|
| Type                  | Fully welded                                                                                                    |
| Mounting              | Direct mounting                                                                                                 |
| Accuracy              | +/- 0.5% plus accuracy of mounted instrument                                                                    |
| Housing material      | SS 316, SS 316L, Hastelloy-C                                                                                    |
| Diaphragm material    | SS 316L, Hastelloy-C                                                                                            |
| Instrument connection | 3/8", 1/2" BSP/NPT                                                                                              |
| Process connection    | 3/8", 1/2" BSP/NPT                                                                                              |
| Pressure range        | 100 bar to 400 bar (optional up to 700 bar)                                                                     |
| Filling fluid         | Glycerine (-18 to 204°C)<br>Silicone (-40 to 305°C)<br>Halocarbon (-56 to 149°C)<br>Syltherm 800 (-40 to 400°C) |
| Flushing connection   | 1/4" NPT F (optional)                                                                                           |



## Diaphragm seal - High pressure seal

### Product dimensions:



### Product numbers:

All DS005 diaphragm seals are ordered to specific customer specifications. Please use the below matrix to create your unique product reference, using the values in bold.

| Make             | Model            | Diaphragm material   | Housing material     | Process connection  | Instrument connection | Filling Fluid                             | Extras                                                                                                                          |
|------------------|------------------|----------------------|----------------------|---------------------|-----------------------|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Brannan<br>(BRN) | DS005<br>(DS005) | SS 316L<br>(316L)    | SS 316<br>(316)      | 3/8" BSP (M)<br>(5) | 3/8" BSP<br>(5)       | Glycerine<br>(-18 to 204°C)<br>(G)        | Materials Test<br>Certificate<br>(MTC)                                                                                          |
|                  |                  | Hastelloy-C<br>(HAS) | SS 316L<br>(316L)    | 3/8" NPT (M)<br>(6) | 3/8" NPT<br>(6)       | Silicone<br>(-40 to 305°C)<br>(S)         | 1/4" NPT F<br>Flushing<br>Connection<br>(FC4)                                                                                   |
|                  |                  |                      | Hastelloy-C<br>(HAS) | 1/2" BSP (M)<br>(7) | 1/2" BSP<br>(7)       | Halocarbon<br>(-56 to 149°C)<br>(H)       | NB. When more than<br>one extra is required,<br>separate each code<br>with a hyphen when<br>building your product<br>reference. |
|                  |                  |                      |                      | 1/2" NPT (M)<br>(8) | 1/2" NPT<br>(8)       | Syltherm 800<br>(-40 to 400°C)<br>(SY800) |                                                                                                                                 |

### Order example:

| Make | Model | Diaphragm material | Housing material | Process connection | Instrument connection | Filling Fluid | Extras |
|------|-------|--------------------|------------------|--------------------|-----------------------|---------------|--------|
| BRN  | DS05  | 316L               | 316              | 8                  | 8                     | G             | FC4    |

**Product reference:** BRNDS05/316L/316/8/8/G/FC4