DS002

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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 and petrochemical

Standard product specifications:

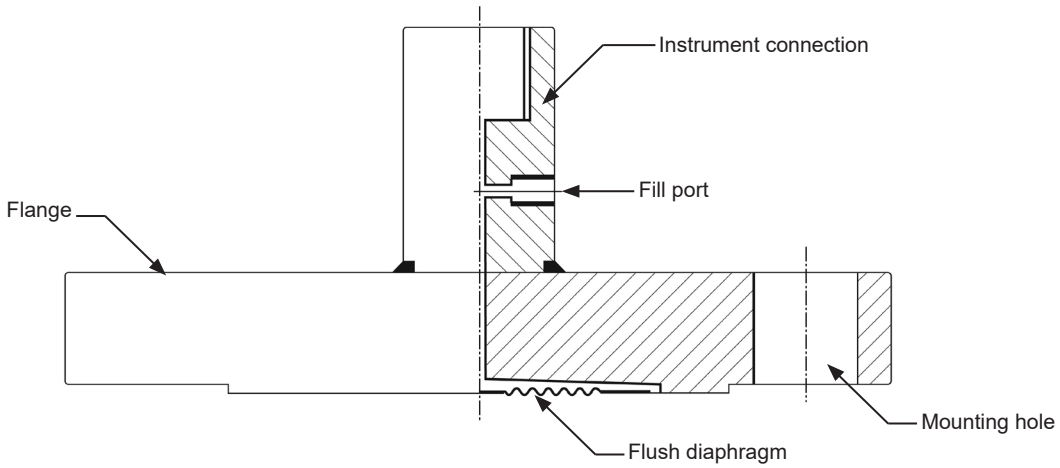
Type	Machined flange with welded flush diaphragm
Design	ANSI B 16.5 (contact us for DIN design)
Flange size	1½", 2" or 3"
Pressure rating	150 lbs to 2500 lbs
Mounting	Direct mounting (please contact us for remote mounting options)
Flange facing	Raised face
Diaphragm material	Stainless steel 316L, Hastelloy C, Inconel, Monel, Tanatlum.
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)** Monel **(MON)** Hastelloy C **(HAS)** Inconel **(INC)** Tantalum **(TAN)**	1/4" BSP **(3)** 1/4" NPT **(4)** 3/8" BSP **(5)** 3/8" NPT **(6)** 1/2" BSP **(7)** 1/2" NPT **(8)**	1½" **(1.5)** 2" **(2)** 3" **(3)**	150 lbs **(150)** 300 lbs **(300)** 600 lbs **(600)** 900 lbs **(900)** 1500 lbs **(1500)** 2500 lbs **(2500)**	Glycering (-18 to 204°C) **(G)** Silicone (-40 to +305°C) **(S)** Halocarbon (-56 to 149°C) **(H)** Syltherm 800 (-40 to +400°C) **(SY800)** NB. Other units available on request	Nace Certificate (MR0175/ISO15156 and/or MR0103/ISO17945) **(NACE)*** Materials Test Certificate **(MTC)** * Specific wetted materials only. NB. When more than one extra is required, separate each code with a hyphen when building your product reference.

Order example:

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

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