# Bolted Chemical Seal
# BCS Series



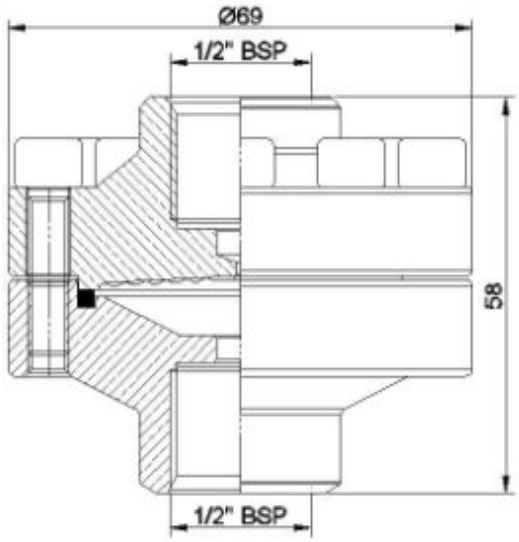




## Introduction

Compact bolted chemical seal with an internal welded diaphragm suitable for dismounting and internal washing. Also available with male process connections.

BSC150 version -1/190 bar at 20°C
BSC150 version -1/150 bar at 250°C
BCS250 version 10/250 bar at 20°C




## Specifications

- Seal material: AISI 316L / 1.4404
- Diaphragm material: AISI 316L / 1.4435
- Instrument connection: 1/2" BSPF
- Process connection:
  Male: 3/8", 1/2", 3/4", 1", BSP / NPT / BSPT,
  Female: 1/2" BSP / NPT

## Special features

- Diaphragm protected against rupture with backup convolution

## Available certification

- 2.1 Certificate of conformity
- 3.1 Material certificate
- Others on request

## Options

- Diaphragm material: Monel, Hastelloy, Tantalum, SS316+PTFE
- Flushing connection: 1/8" NPT upon request

## How to order

Please specify: model, process connection, certificates
Example: BCS150, 1" NPT male



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## Fit and fill service for diaphragm seals

- Fitted to a PCI pressure measuring instrument or another manufacturer's instrument
- Priority 24 hour turnaround service available
- Wide selection of fill fluids to suit the application e.g. food safe, high temperature, inert
- Filled using our unique turbo molecular vacuum filling station (can pull a ultra high vacuum to 10x-9 mbar A) ensures measurement accuracy and reliability
- Calibrated using up to date calibration equipment

## Required information for diaphragm seal systems

- Pressure measuring instrument model and range
- Process connection on instrument
- Process temperature
- Ambient temperature
- System fill fluid

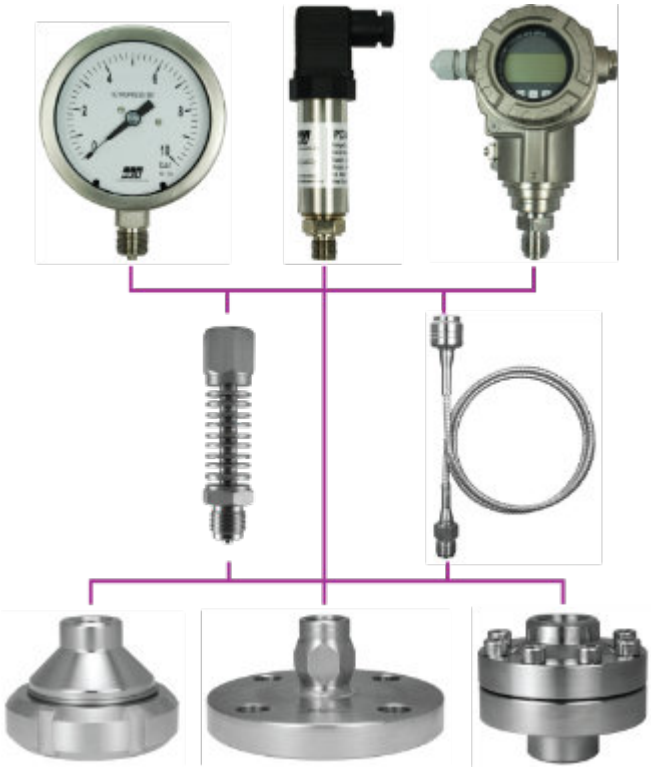
## Options for diaphragm seal system

- Connection to instrument using a cooling tower
- Connection to instrument using a capillary (in meters)

## Available certification

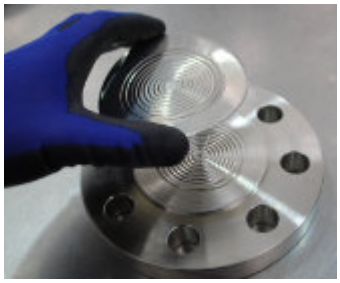
- 2.1 Certificate of conformity
- 3.1 Material certificate
- Test certificate for indication accuracy
- FDA conformity for system fill fluid
- Others on request

## We can fit all manufacturer's instruments to a diaphragm seal

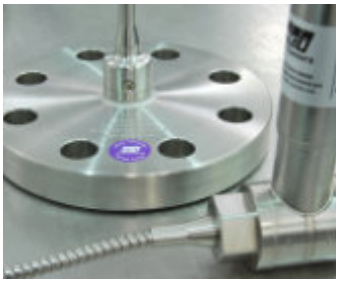


## Turbo vacuum filling stations



British manufactured



Welded construction



Securely packed



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