Pancake Type Flanged Seal CELL





Available with backing flange

Introduction

The model CELL Pancake seal with welded diaphragm is suitable for mounting between flanges and used for contaminated, solidifying, hot or highly viscous media.

Special features

- Flush welded diaphragm (free of dead space)
- Diaphragm protected against rupture with backup convolution
- Helium leak tested to ensure integrity of diaphragm
- When exotic metal diaphragm or coating is required, all wetted parts including sealing face are made from same material

Diaphragm seal specifications

- Flange type: ANSI B16.5 Raised Face (RF) or Ring Type Joint (RTJ), EN 1092-1 Form B1
- Flange body material: AISI 316L
- Wetted parts and diaphragm material: AISI 316L
- Connection: Radial entry capillary socket, welded

Measuring range

- Max. dependant on flange rating

Options for diaphragm seal

- Other connection: Radial entry 1/4” NPT female
- Capillary length: custom length between 1m to 15m
- Other flange and diaphragm materials on request
- Other flange types and sealing face
- Backing flange

Diaphragm and wetted parts	Process temperature limit
Stainless Steel 304L	400 °C
Stainless Steel 316L	400 °C
Stainless Steel 321	400 °C
Alloy 20	400 °C
Duplex 2205	300 °C
Hastelloy C276	400 °C
Incoloy 825	400 °C
Inconel 600	400 °C
Inconel 625	400 °C
Monel 400	400 °C
Tantalum	300 °C
Titanium G1	150 °C
Titanium G12	150 °C
Zirconium 702	400 °C
Gold plating	400 °C
Rhodium plating	400 °C
PFA coating	260 °C
PTFE foil	260 °C

Available certification

- 2.1 Certificate of conformity
- 3.1 Material certificate
- 3.1 Material certificate with NACE conformity MR-01-75
- Others on request

How to order diaphragm seal

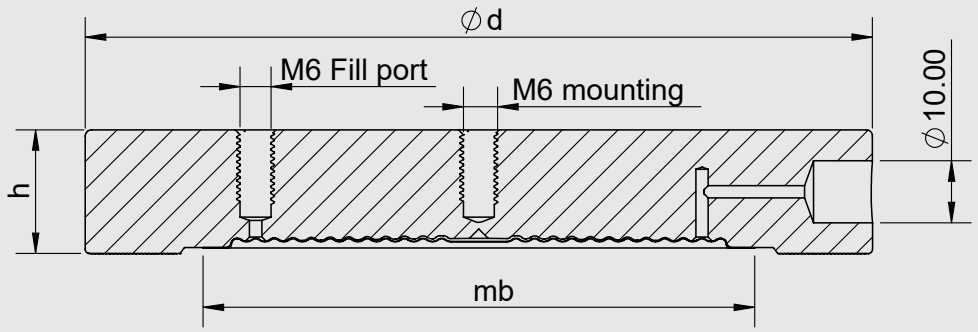
Please specify: model, instrument connection, size, sealing face, diaphragm and wetted parts material, options, certificates

Example: CELL, capillary socket, 2” ANSI, RF, AISI 316L, 3.1 material certificate, options

Web: www.pci-instruments.com | Email: sales@pci-instruments.com | Tel: +44 (0)1704 509090

Pancake Type Flanged Seal
CELL

Cell



According to ASME B 16.5, RF				
Size	Class	d	h	mb
1”	150 - 2500	50.8	20	32
1.5”	150 - 2500	73		46
2”	150 - 2500	92		57
3”	150 - 2500	127		88
4”	150 - 1500	158		88

Dimensions in mm

According to EN 1092-1, Form B1				
Size	Class	d	h	mb
DN25	10 - 400	68	20	34
DN40	10 - 400	88		46
DN50	10 - 400	102		57
DN80	10 - 400	127		88
DN100	10 - 16	138		88
DN100	25 - 400	162		88

Dimensions in mm

Web: www.pci-instruments.com | Email: sales@pci-instruments.com | Tel: +44 (0)1704 509090