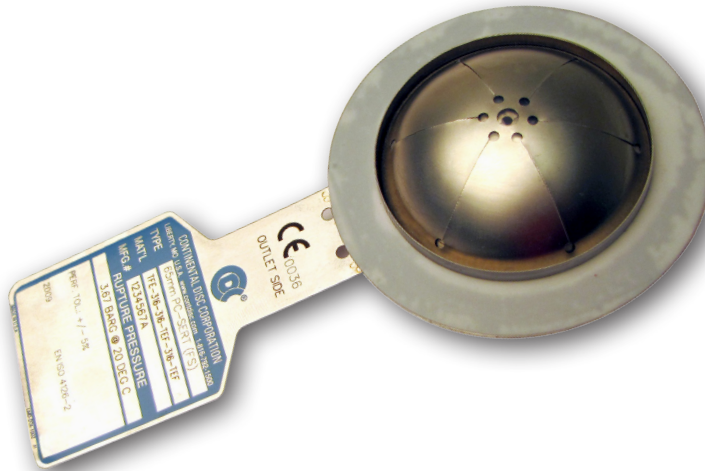


PC-SERT Rupture Disc



The Continental Disc Corporation PC-SERT rupture disc is a composite type rupture disc specifically designed to protect transportation vessels like intermodal tank containers, railroad portable containers, tank cars, over-the-road tank trucks and other vessels that transport liquids or gas products, from potentially damaging overpressure conditions. The PC-SERT rupture disc is ideal for installation beneath pressure relief valves on transportation vessels due to its non-fragmenting design.

Features:

- Standard Sizes: 65 mm and 80 mm
- Suitable for gas or liquid service
- May be operated to 80% of the rated burst pressure
- Self-aligning outlet ring assures proper positioning of the rupture disc with the valve or mating outlet flange
- Withstands full vacuum
- Designed for non-fragmentation
- Permanently attached 316 Stainless Steel tag
- Inlet and outlet Teflon®* gaskets provide a leak tight seal in the system

Construction:

The PC-SERT rupture disc is composed of:

- A top section that controls the burst pressure
- A Teflon® seal which isolates the top section from the media and prevents leakage
- A vacuum support used to prevent the seal from being damaged by a vacuum that may occur during transit or unloading
- A specially designed self-aligning ring gives positive alignment of the rupture disc to the valve or mating outlet flange.
- A Teflon® gasket on the inlet and outlet seating surface to provide proper sealing

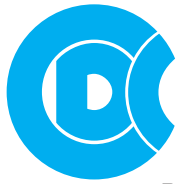
Available Materials for Top Section, Vacuum Support and Self-Aligning Ring:

- 316 SS
- 316L SS
- Monel®**
- Inconel®**
- Nickel
- Hastelloy®*** C

* Teflon® is a registered trademark of DuPont used under license by Continental Disc Corporation.

** Inconel and Monel are registered trademarks of the Inco family of companies.

*** Hastelloy is a registered trademark of Haynes International.



**Continental Disc
Corporation**

PC-SERT Rupture Disc (continued)

Manufacturing Range: Zero

Performance Tolerance:

Burst Pressure	Performance Tolerance
2,76 barg (40 psig) and below	± 0,138 barg (2 psig)
Above 2,76 barg (40 psig)	± 5%

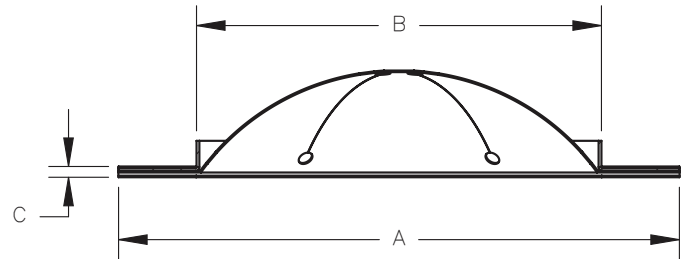
Nominal Dimensions (white cells indicate millimeters, shaded cells indicate inches):

Size	A	B	C
65 mm	90	65	1,5
	3.54	2.56	0.06
80 mm	120	80	1,5
	4.72	3.15	0.06

Available Burst Pressure Ratings at 22°C / 72°F

(white cells indicate barg, shaded cells indicate psig):

Size	Min	Max
65 mm	1,38	13,8
	20	200
80 mm	1,38	12,1
	20	175



Pressure Equipment Directive
Available When Specified

Continental Disc Corporation has representatives located throughout the world. Contact the Continental Disc Corporation office nearest you for the authorized representative in your area or visit www.contdisc.com.

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