

■ PC-SERT RUPTURE DISC

The PC-SERT Rupture Disc

is a composite type rupture disc specifically designed to protect transportation vessels such as 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.



SPECIFICATIONS

Sizes:

2 1/2" and 3" (65mm and 80mm)

Burst Pressure:

20 - 200 psig (1,38 - 13,8 barg)

Manufacturing Range:

ZERO

Maximum Recommended Operating Ratio:

85% of the minimum performance tolerance

Available Maximum Temperature Limit:

400° F (204° C)

Service:

Gas or Liquid

Non-fragmenting Design:

Yes

Withstand Full Vacuum:

With Vacuum Support

Operating Conditions:

Static, Cyclic or Pulsating

Material(s):

Disc, Outlet Ring, Top Section & Vacuum Support:
316 SS, 316L SS, Alloy 400, Alloy 600, Alloy C276, Nickel
Seal, Outlet & Inlet Gasket: Fluoropolymer

Seat Configuration:

Flat seat

Holders:

Designed to mount directly to tank flanges

Compatible with the Following Alarm System:

Not available

Tagging:

Stainless steel tag attached

FEATURES

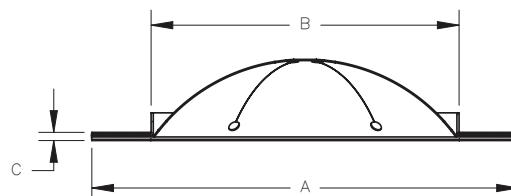
- Available in a wide range of materials
- Excellent performance in low pressure applications
- Self-aligning outlet ring assures proper positioning of the rupture disc with the valve or mating outlet flange
- Withstands full vacuum
- Inlet and outlet fluoropolymer gaskets provide a leak- tight seal in the system
- Non-fragmenting design is ideal for isolating pressure relief valves
- Permanently attached 316 SS tag

BURST PRESSURE RATINGS

The following table shows burst pressures available at 72°F (22°C)

SIZE	MIN	MAX
2 1/2" 65 mm	20	200
	1,38	13,8
3" 80 mm	20	175
	1,38	12,1

NOMINAL DIMENSIONS



SIZE	A	B	C
2 1/2" 65 mm	3.54"	2.56"	.06"
	90 mm	65 mm	1,5 mm
3" 80 mm	4.72"	3.15"	.06"
	120 mm	80 mm	1,5 mm

PERFORMANCE TOLERANCE

BURST PRESSURE	PERFORMANCE TOLERANCE
40 psig (2,76 barg) and below	± 2 psig (0,138 barg)
Above 40 psig (2,76 barg)	± 5%

CUSTOMIZED RUPTURE DISCS

Consult your sales representative for 32mm or 50mm sizes and additional materials.