

SD Series Graphite Rupture Disks

Features

- SD Disks are an extension of ZOOK's impervious Graphite Rupture Disk Design
- Provides over-pressure protection in sanitary piping system
- Ideal for high purity and corrosion service
- Rugged design
- TFE lined to help resist product buildup
- Full bore opening upon rupture
- FDA compliant when FEP liner attached
- Nominal I.D. equals the fitting size
- Self-Supporting under full vacuum at set pressures of 25 psig (1.72 barg) or higher
- Excels in liquid, gas, or two-phase applications
- 0% manufacturing range is standard
- Standard operating ratio of 90% of the marked rating on the disk tag. Higher operating ratio may be available upon request. Contact ZOOK for operating ratio on pressures below 40 psig (2.76 barg)
- Installs using industry standard Tri-clamp®/Tri-clover® fitting
- Wide body clamp required (Stocked by ZOOK)
- Standard gasket material: Black Buna-N
- Sizes 1" (25mm) through 4" (100mm)
- ASME (UD), and PED (CE) compliance available (Third party witness testing is also available if required)

Applications

Food processing, dairy, breweries, pharmaceutical, distilling, baking, canning, cosmetics, biotechnology, and petrochemical industries.

Optional Features

- Burst indication (Ferrule mounted)
- Torque-rite® sanitary clamp nut (eliminates the problems associated with over/under tightening)

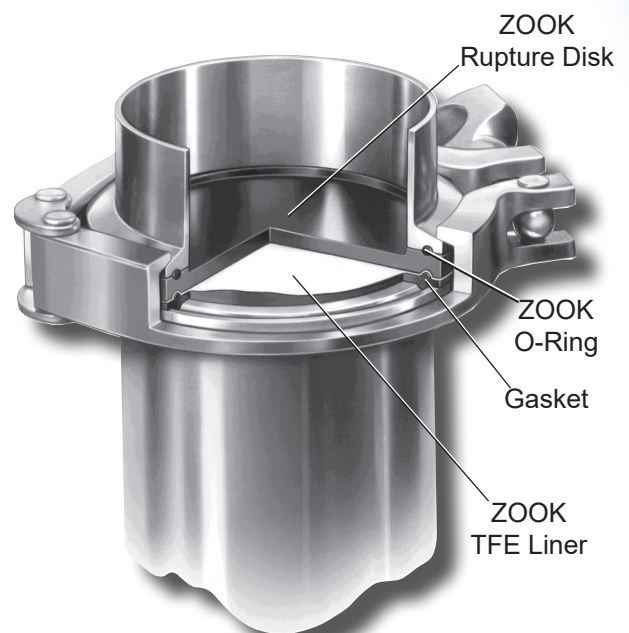
Specifications

Disk Dimensions - inches (mm)			Burst Pressures psig (barg) @72°F (22°C)	
I.D. (Nominal)	O.D.	Thk.	Minimum	Maximum
1"	1.984	0.250	10	50
25 mm	50.3	6.3	(0.6)	(3.4)
1-1/2"	1.984	0.250	7	50
40 mm	50.3	6.3	(0.4)	(3.4)
2"	2.516	0.250	3	50
50 mm	63.9	6.3	(0.2)	(3.4)
2-1/2"	3.047	0.250	2	50
65 mm	77.3	6.3	(0.1)	(3.4)
3"	3.579	0.250	2	50
80 mm	90.9	6.3	(0.1)	(3.4)
4"	4.682	0.250	1.5	50
100 mm	118.9	6.3	(0.1)	(3.4)

Standard burst tolerances apply

Notes:

- Max disk temperature is dependent on gasket material selected
- Alternate sizes, disk materials, gasket materials and lower burst ratings may be available on request. Contact ZOOK for more information.
- Maximum disk pressure based on clamp rating



Safety through knowledge and performance.