



# SD Series Rupture Disks

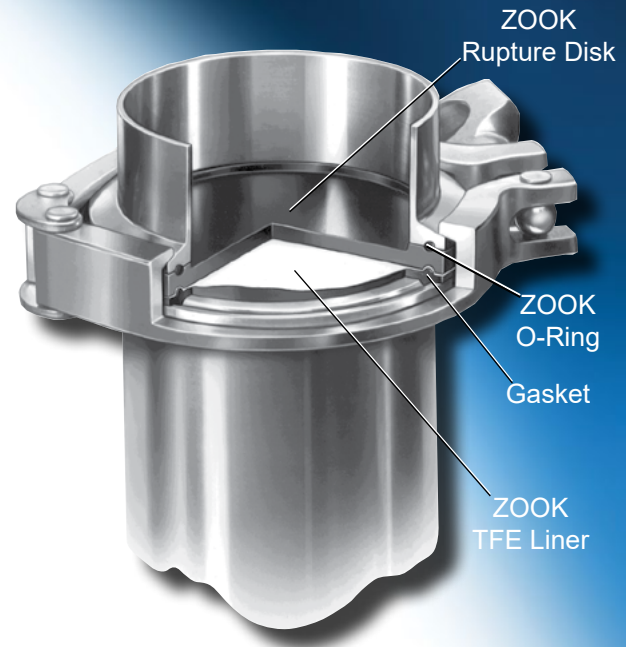
SD Disks are an extension of ZOOK's impervious Graphite Rupture Disk Design. Applications include: food processing, dairy, breweries, pharmaceutical, distilling, baking, canning, cosmetics, biotechnology, and petrochemical industries.

## Features

- Provides over-pressure protection in sanitary piping system
- Ideal for high purity and corrosion service
- Rugged design
- TFE lined to resist product buildup
- Full bore opening upon rupture
- Nominal I.D. equals the fitting size
- Self-Supporting under full vacuum at set pressures of 25 psig 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)
- Installs using industry standard Tri-clamp®/Tri-clover® fittings (components stocked by ZOOK)
- Standard gasket material: Black Buna-N
- Sizes 1" (25mm) through 4" (100mm)
- ASME UD, CE, and TUV compliance available

## Optional Features

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



## SD Disk 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	(50.39)	(6.35)	(0.69)	(3.45)
1-1/2"	1.984	0.250	7	50
40 mm	(50.39)	(6.35)	(0.48)	(3.45)
2"	2.516	0.250	3	50
50 mm	(63.9)	(6.35)	(0.21)	(3.45)
2-1/2"	3.047	0.250	2	50
65 mm	(77.39)	(6.35)	(0.14)	(3.45)
3"	3.579	0.250	2	50
80 mm	(90.9)	(6.35)	(0.14)	(3.45)
4"	4.682	0.250	1.5	50
100 mm	(118.92)	(6.35)	(0.10)	(3.45)
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.



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Safety through knowledge and performance.