



# SD™ Rupture Disk

...provide over-pressure protection in sanitary piping system

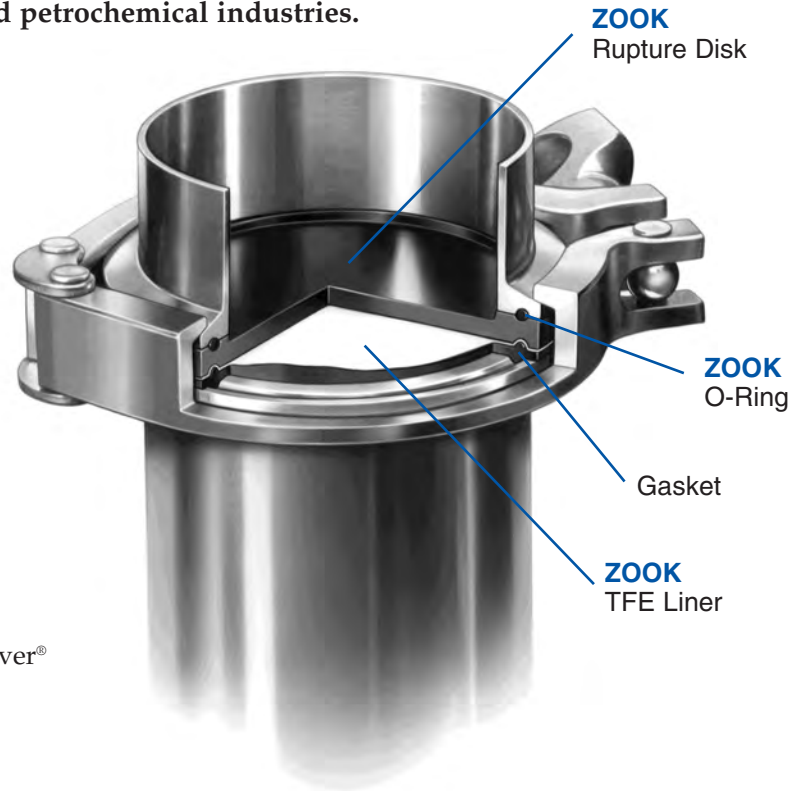
SD Disks are an extension of ZOOK's impervious Graphite Rupture Disk Design. Applications include: food processing, dairy, breweries, pharmaceutical, distilling, baking, canning, cosmetics, biotechnology, and petrochemical industries.

## Features

- 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 ration 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) @ 72F (22C)	
I.D. (Nominal)	O.D.	Thk.	Minimum	Maximum
1 (25)	1.984 (50.39)	0.250 (6.35)	10 (0.69)	50 (3.45)
1-1/2 (40)	1.984 (50.39)	0.250 (6.35)	7 (0.48)	50 (3.45)
2 (50)	2.516 (63.9)	0.250 (6.35)	3 (0.21)	50 (3.45)
2-1/2 (65)	3.047 (77.39)	0.250 (6.35)	2 (0.14)	50 (3.45)
3 (80)	3.579 (90.9)	0.250 (6.35)	2 (0.14)	50 (3.45)
4 (100)	4.682 (118.92)	0.250 (6.35)	1.5 (0.10)	50 (3.45)

Standard burst tolerances apply.

\* Alternate sizes and disk materials, gaskets materials and lower burst ratings may be available on request – Contact ZOOK for more information

Note: max disk temperature is dependent on gasket material selected

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Tri-clamp/Tri-clover – TM Alfa Laval  
Torque-rite – TM Rubber Fab



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