

SCRD-FS SERIES

APPROVALS:

- ASME
- CE Marked

DESCRIPTION

The SCR-D-FS rupture disc is specifically designed for high pressure applications. The rupture disc utilizes one of three different scoring configurations to optimize performance over a wide range of pressures.

FEATURES AND BENEFITS

- The SCR-D-FS can be used in liquid or vapor applications
- Designed to be non-fragmenting
- Can be operated as high as 90% of its rated burst pressure depending on the service conditions
- Available in a wide range of materials including 316/316L SST, Nickel 200/201, Monel® 400, Inconel® 600 and Hastelloy® C276 (other materials may be available on request)
- Damage ratio of ≤ 1
- Available with a zero manufacturing range



BURST PRESSURE SPECIFICATIONS (PSIG @ 72°F)

Size	IN	Max. Temp	.50	.75	1
	DN		15	20	25
Min/Max Burst Pressures (will not withstand full vacuum)	316/316L SST	900°F (482°C)	-	-	200 250
	Inconel® 600	1100°F (593°C)	300 350	200 300	130 155
	Monel® 400	900°F (482°C)	300 350	250 300	75 185
	Nickel 200/201	800°F (427°C)	251 300	200 250	60 80
	Hastelloy® C276	900°F (482°C)	620 1000	521 750	400 700
	Tantalum	500°F (260°C)	250 360	200 245	100 150
	Aluminum 1100*	250°F (121°C)	45 90	40 80	34 70
	Silver*	250°F (121°C)	100 185	96 125	60 75
Size	IN	Max. Temp	.50	.75	1
	DN		15	20	25
Min/Max Burst Pressures (withstand full vacuum @ 72°F)	316/316L SST	900°F (482°C)	550 11000	450 6000	250 3000
	Inconel® 600	1100°F (593°C)	350 11000	300 6000	155 3000
	Monel® 400	900°F (482°C)	350 11000	300 6000	185 3000
	Nickel 200/201	800°F (427°C)	300 11000	250 6000	80 3000
	Hastelloy® C276	900°F (482°C)	1000 11000	750 6000	700 3000
	Tantalum	500°F (260°C)	360 1000	245 833	150 750
	Aluminum 1100*	250°F (121°C)	90 450	80 375	70 338
	Silver*	250°F (121°C)	185 450	125 375	75 338

* Max. operating ratio 80%







Notes:

- High pressures and larger sizes are available - consult Fike.
- SCR-D-FS is available with UD certification in certain 1/2 inch specifications. Please consult factory for more information.

AVAILABLE MANUFACTURING RANGES

Specified Rupture Pressure		Manufacturing Range % @ 72°F (22°C)
PSIG @ 72°F	BARG @ 22°C	
15 to 45.9	1.03 to 3.16	+14% to -7%
46 to 90.9	3.17 to 6.26	+12% to -6%
91 to 270.9	6.27 to 18.68	+10% to -5%
271 to 500.9	18.68 to 34.54	+8% to -4%
501+	34.55+	+6% to -3%

* Zero range optional

Performance Attributes			Process Media		Rupture Disc Holders
Operating Ratio	Non-Fragmenting	Vacuum Resistant	Liquid	Vapor/Gas	Screw Type
					
90%	yes	yes	yes	yes	yes

HOW TO SPECIFY

Previous Lot Number:	
OR	
Size:	
Vacuum:	Yes / No
Burst Pressure:	@ (Temperature)
Seal Material	
Certifications:	ASME CE