

SCRD-UT SERIES

DESCRIPTION

The SCRD-UT 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. The SCRD-UT is used in union-type holders and has a 30° seat.

FEATURES AND BENEFITS

- The SCRD-UT can be used in liquid or vapor applications
- Designed to be non-fragmenting
- Can be operated as high as 85% 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

BURST PRESSURE SPECIFICATIONS (PSIG @ 72°F)

Size ¹	Inches	Max. Temp	1/2	3/4	1	1.5	2
	DN		15	20	25	40	50
Min/Max Burst Pressures	316/316L SST	900°F 482°C	550 3000	450 2500	250 2250	200 1800	200 1600
	Inconel® 600	1100°F 593°C	350 3000	300 2500	155 2250	150 1800	150 1600
	Monel® 400	900°F 482°C	350 3000	300 2500	185 2250	130 1800	130 1600
	Nickel 200/201	800°F 427°C	300 3000	250 2500	80 2250	80 1800	60 1600
	Hastelloy® C276	900°F 482°C	1000 3000	750 2500	700 2250	600 1800	425 1600
	Tantalum	500°F 260°C	360 1000	245 833	150 750	130 600	120 533
	Aluminum 1100*	250°F 121°C	90 450	80 375	70 338	55 270	35 240
	Silver*	250°F 121°C	185 450	125 375	75 338	60 270	60 240

Notes:

1. Larger sizes are available - consult Fike Corporation
 2. Consult Fike for higher pressures
 3. SCRD-UT not available with UD certification
- * Max. operating ratio 75%







MANUFACTURING RANGE (PSIG @ 72°F)

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%

Consult Fike for other available manufacturing ranges

BURST/PERFORMANCE TOLERANCE

Marked Burst Pressure		Tolerance	
PSIG	BARG	PSIG	BARG
≤ 40	≤ 2.76	± 2	± .14
> 40	> 2.76	± 5%	± 5%

Performance Attributes			Process Media		Rupture Disc Holders
Operating Ratio	Non-Fragmenting	Vacuum Resistant	Liquid	Vapor/Gas	Union Type
					
85%	yes	yes	yes	yes	yes

HOW TO SPECIFY

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