

SCRD-UT SERIES

DESCRIPTION

The SCRD-UT bursting disc is specifically designed for high pressure applications. The bursting 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

- SCRD-UT can be used in liquid or vapour applications
- Designed to be non-fragmenting
- Can be operated as high as 95% 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



BURST PRESSURE SPECIFICATIONS (BARG AT 22°C)

	Max. Temp	Size ¹	Inches	½	¾	1	1.5	2
			DN	15	20	25	40	50
316 / 316L SST	482°C	Min. BP		37.93	31.03	17.24	13.79	13.79
		Max. BP		206.90	172.41	155.17	124.14	110.34
Inconel® 600	593°C	Min. BP		24.14	20.69	10.69	10.34	10.34
		Max. BP		206.90	172.41	155.17	124.14	110.34
Monel® 400	482°C	Min. BP		24.14	20.69	12.76	8.97	8.97
		Max. BP		206.90	172.41	155.17	124.14	110.34
Nickel 200 / 201	427°C	Min. BP		20.69	17.24	5.52	5.52	4.14
		Max. BP		206.90	172.41	155.17	124.14	110.34
Hastelloy® C276	482°C	Min. BP		68.97	51.72	48.28	41.38	29.31
		Max. BP		206.90	172.41	155.17	124.14	110.34
Tantalum	260°C	Min. BP		24.83	16.90	10.34	8.97	8.28
		Max. BP		68.97	57.45	51.72	41.40	36.76
Aluminum ²	121°C	Min. BP		6.21	5.52	4.83	3.79	2.41
		Max. BP		31.03	25.86	23.31	18.62	16.55
Silver ²	121°C	Min. BP		12.76	8.62	5.17	4.14	4.14
		Max. BP		31.03	25.86	23.31	18.62	16.55

(1) Larger sizes are available - consult Fike Europe.

(2) Max operating ratio 85%.

Consult Fike for higher pressure.

SCRD-UT not available with ASME-UD certification

PERFORMANCE TOLERANCES ¹

Burst Pressure in barg at 22°C	Performance Tolerance at 22°C
> 2.76	± 5%







(1) Consult Fike for possibility to reduce tolerances.

Performance tolerance as specified by ISO/EN is a total tolerance which includes both manufacturing and bursting tolerance.

As per ISO/EN the bursting discs can be marked with:

- Specified burst pressure with a performance tolerance (in % or a value)
E.g.: 10 barg at 22°C ± 10% (± 1 barg).
- Maximum and minimum burst pressure.
E.g.: Max 11 barg at 22°C - min 9 barg at 22°C

On request bursting discs can be marked as per ASME code section VIII with the average burst test result and the bursting tolerance of ± 5% for burst pressures ≥ 2.76 barg. (0.15 barg for burst pressures < 2.76 barg).

Performance Attributes			Process Media		Bursting Disc Holders
Operating Ratio	Non-fragmenting	Vacuum Resistance	Liquid	Vapour / Gas	Union Type
					
95%	Yes	Yes	Yes	Yes	Yes