



BURSTING DISCS

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

- The 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 @ 22°C)

	Max temp.	Size ⁽¹⁾	Inches	1/2	3/4	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
Aluminium ⁽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

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 burst 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 ± 10% (± 1 barg) at 22°C
 - 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 codes section VIII with the average burst test result and the burst 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