

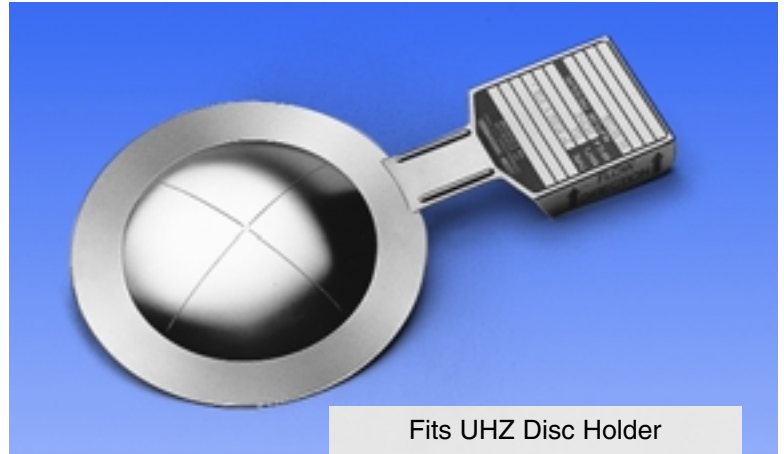
ZOOK SFAZ Series

Scored Forward-Acting Metal Bursting Disc

Features

- Solid metal scored disc
- May be operated to 90% of burst rating (Consult ZOOK EUROPE LTD)
- Non-fragmenting design is suitable for liquid, gas or 2-phase flow
- Scored after disc material is formed to a high crown height. Permits use of thicker material and allows lower ratings to withstand full vacuum
- Total Performance Tolerances available: $\pm 10\%$, $\pm 7.5\%$, and $\pm 5\%$ [▲]
- Burst Rating: 2 barg (30 psig) to 124 barg (1800 psig)
- Sizes 12.7mm (1/2") thru 500mm (20") diameters
- Temperature ratings to 482°C (900°F)
- Materials of construction: 316SS, Inconel, Monel, nickel, or aluminium
- 3-dimensional tag
- ASME UD stamping available

▲ Consult ZOOK EUROPE LTD for $\pm 5\%$ availability



Fits UHZ Disc Holder



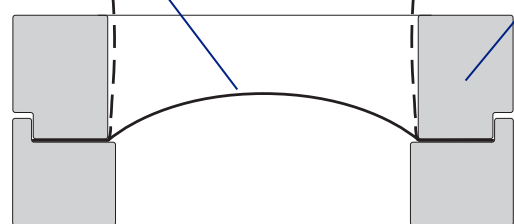
Options

Liners TFE liners are available to provide protection from corrosive media if required. Refer to Table 1 for maximum temperature ratings for discs and liners

Protective Rings can be used with SFAZ Series Discs to provide stability and protection when thin materials and/or liners are used

Solid Metal Scored Bursting Disc

Insert Type Holder



PRESSURE

SFAZ Series Discs mount with the concave surface facing the process media. As pressure increases above the 90% recommended operating ratio, the score lines weaken until burst occurs. When the SFAZ Disc bursts, the disc opens along the score lines and folds back against the holder.



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Table 1 – SFAZ Series Minimum and Maximum Pressure Ratings –
barg (psig) @22°C (72° F)

Size	Aluminium		Nickel		Monel		Inconel		316SS	
	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.
25 mm	4.83	34.48	5.52	103.45	5.52	110.34	7.59	110.34	6.21	124.14
1"	70	500	80	1500	80	1600	110	1600	90	1800
40 mm	4.14	34.48	4.14	103.45	4.83	110.34	6.55	110.34	5.52	124.14
1-1/2"	60	500	60	1500	70	1600	95	1600	80	1800
50 mm	3.10	34.48	3.45	103.45	4.14	110.34	5.17	110.34	5.17	124.14
2"	45	500	50	1500	60	1600	75	1600	75	1800
80 mm	3.10	27.59	3.45	96.55	4.14	96.55	4.14	96.55	4.83	103.45
3"	45	400	50	1400	60	1400	60	1400	70	1500
100 mm	3.45	20.69	3.45	86.21	4.14	86.21	4.14	86.21	4.83	103.45
4"	50	300	50	1250	60	1250	60	1250	70	1500
150 mm	3.45	13.79	3.45	82.76	4.14	82.76	4.48	82.76	4.83	103.45
6"	50	200	50	1200	60	1200	65	1200	70	1500
200 mm	NA	13.79	3.45	82.76	4.14	82.76	4.83	82.76	4.48	103.45
8"	NA	200	50	1200	60	1200	70	1200	65	1500
250 mm	NA	13.79	3.45	68.97	4.14	68.97	5.17	68.97	5.17	82.76
10"	NA	200	50	1000	60	1000	75	1000	75	1200
300 mm	NA	▲	3.45	▲	4.14	▲	5.86	▲	5.86	▲
12"	NA	▲	50	▲	60	▲	85	▲	85	▲
Max. Temp.	121°C (250°F)		399°C (750°F)		427°C (800°F)		482°C (900°F)		482°C (900°F)	

NA Not Available

▲ Consult ZOOK EUROPE LTD

ZOOK

MONEL - TM Huntington Alloys
INCONEL - TM International Nickel
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