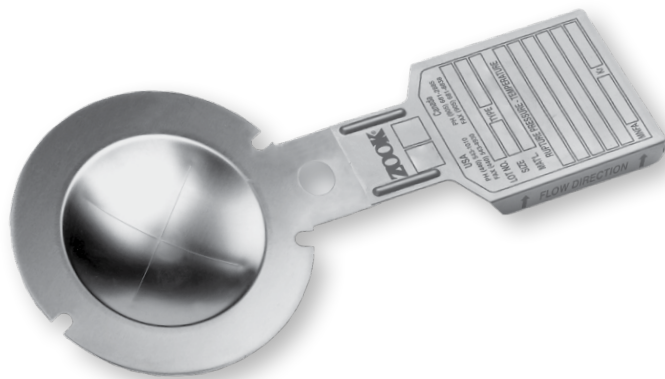


Features

- Designed for Non-fragmentation
- Operating ratios up to 95% of the low end of burst tolerance
- Disk design offers high cycle life
- Suitable for gas service only
- Standard manufacturing design range and total tolerance ensures marked rating on disk tag does not exceed the MAWP of equipment
- Withstands full vacuum without vacuum support
- Wide range of standard and exotic materials available
- Withstands back pressure up to the positive set pressure of the disk
- Sizes from 1" (25mm) through 12" (300mm)
- Burst ratings from 27 psig (1.86 barg) to 1480 psig (102.04 barg)
- Resists product build-up. The smooth convex side of the disk is exposed to the process media
- Unique alignment pins design ensures proper disk orientation into SR7A Series disk holder
- 3-dimensional stainless steel tag permanently engraved with complete disk specifications
- ASME UD, CE (PED), and TÜV compliance available

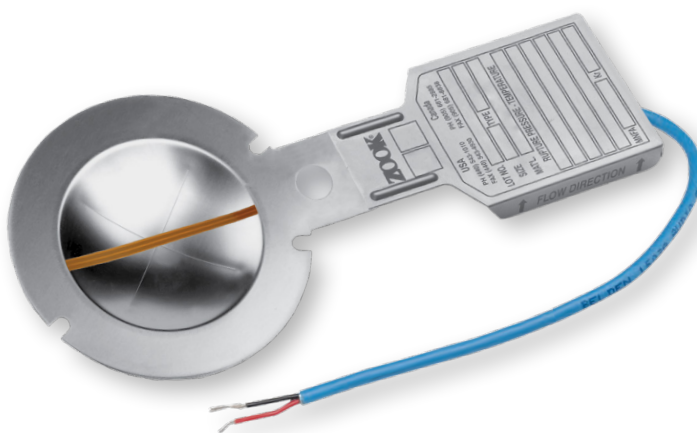


SRA Series disk mounts into SR7A Series disk holder

Options

- SRA-L*** A process side PFA Teflon liner provides protection from corrosive media
- SRA-BI*** Equipped with ZOOK's Integral Burst Indicator
- SRA+** Factory tested to 100% of the low end of the tolerance to ensure no disks will burst low

*Note: The maximum temperature rating of rupture disks supplied with liners and BI's is lower than the base disk material



Safety Relief Valve Protection

When a disk is mounted under a Safety Relief Valve, the working components of the valve are isolated from hostile environments.

SRA Series Specifications

Minimum and Maximum Pressure Ratings - psig (barg) @ 72°F (22°C)

Disk Size	Minimum Burst Pressure							Maximum Burst Pressure	MNFA in ² (mm ²)	SR7A Holder (Overall Height)
	316	Inconel	Monel	Nickel	Hastelloy C276	SRA-L	SRA-BI			
	Gas Services Only - A gas pocket is required below disk for liquid applications - Contact ZOOK for additional information									
1"	221	141	122	92	221	Same as minimum material	Same as minimum material	1480	0.86	1-7/8
25 mm	15.238	9.722	8.412	6.344	15.240			102.042	554	47.63
1-1/2"	234	98	98	81	234			1480	2.04	1-7/8
40 mm	16.134	6.757	6.757	5.585	16.134			102.042	1,316	47.63
2"	188	83	83	60	188			1480	3.36	1-7/8
50 mm	12.963	5.723	5.723	4.137	12.963			102.042	2,167	47.63
3"	154	66	65	55	154			1480	7.39	2-1/4
80 mm	10.618	4.551	4.482	3.793	10.618			102.042	4,767	57.15
4"	122	54	55	48	122			1480	12.73	2-15/16
100 mm	8.412	3.724	3.793	3.310	8.412			102.042	8,212	74.62
6"	94	47	44	35	94			1480	28.89	3-5/8
150 mm	6.482	3.241	3.034	2.414	6.482			102.042	18,638	92.08
8"	42	44	41	33	42			700	50.03	3-1/4
200 mm	2.896	3.034	2.827	2.276	2.896			48.263	32,277	107.95
10"	36	40	39	30	36			700	78.85	4-1/8
250 mm	2.483	2.758	2.689	2.069	2.483			48.263	50,870	104.78
12"	33	37	36	27	33			600	112	4-5/8
300 mm	2.276	2.552	2.483	1.862	2.276			41.368	72,257	117.48
Max. Temp.	900°F (482°C)	900°F (482°C)*	800°F (427°C)	750°F (399°C)	900°F (482°C)	500°F (260°C)	400°F (204°C)			

Notes: For materials, sizes, burst ratings and temperatures not shown, contact ZOOK

* Contact ZOOK for higher temperatures

Manufacturing Design Range & Total Performance Tolerance

ASME						PED				
Burst Pressure (psig)		Manufacturing Design Range			Burst Tolerance	Burst Pressure (barg)		Total Performance Tolerance		
Minimum	Maximum	Good	Better	Best		Minimum	Maximum	Good	Better	Best
1.0	<2.5	-10%	-5%	-0%	±0.33 psig	0.069	<0.172	±50%	-	±0.023 barg
2.5	<5.0	-10%	-5%	-0%	±0.5 psig	0.172	<0.345	±30%	±25%	±0.035 barg
5.0	<7.0	-10%	-5%	-0%	±0.5 psig	0.345	<0.483	±20%	±17.5%	±0.035 barg
7.0	<11.0	-10%	-5%	-0%	±0.8 psig	0.483	<0.759	±20%	±15%	±0.055 barg
11.0	<15	-10%	-5%	-0%	±1.3 psig	0.759	<1.034	±20%	±15%	±0.090 barg
15.0	<26	-10%	-5%	-0%	±2.0 psig	1.034	<1.793	±20%	±15%	±0.138 barg
26.0	<40	-10%	-5%	-0%	±2.0 psig	1.793	<2.758	±15%	±12.5%	±0.138 barg
40.0	Max	-10%	-5%	-0%	±5%	2.758	Max	±10%	±7.5%	±5%

Notes:

- 0% manufacturing range might not be available in all materials
- Burst tolerances are the maximum expected variation from the disk's marked burst pressure

Certified Flow Resistance Factors

Krg (Gas)
2.00

Teflon - Trademark of The Chemours Company
Inconel - Trademark of Special Metals Corporation
Monel - Trademark of Special Metals Corporation
Hastelloy - Trademark of Haynes International



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Safety through knowledge and performance.