

Reverse Acting Type Axis

Description

The Axis is a reverse acting, 95% operating ratio bursting disc, utilizing Fike's new G2[®] design and manufacturing technology.

The Axis disc has a "line of weakness" on the dome of the disc instead of a score line. There are no stress zones and no tool marks or indentations on the process side of the disc, making this a disc with a completely smooth process surface.



Features and Benefits

- 95% operating ratio
- Superior for cycling conditions
- Superior corrosion resistant material selection
- Suitable for all process media
- Lowest certified flow coefficient
- Failsafe/ damage ratio < 1

Burst/Performance Tolerance

Range Barg	Tolerance Barg
.48-1.02	+/- .07
1.03-2.76	+/- .14
> 2.76	+/- 5%

Technical Data

Type of disc		Axis																		
Action		Reverse acting																		
Available size range		1"-12"									DN 25- DN 300									
Disc material		316/316L SST									Hastelloy C276									
Maximum Temperature °C		482																		
Burst Pressure Barg	DN	25	40	50	80	100	150	200	250	300	25	40	50	80	100	150	200	250	300	
	Inch	1	1.5	2	3	4	6	8	10	12	1	1.5	2	3	4	6	8	10	12	
	Min	.69	.55	.55	.48	.48	.55	.55	.55	.55	.83	.55	.55	.48	.48	.55	.55	.55	.55	
Max	36.2	26.5	26.5	22.4	19.7	13.8	10.3	6.9	4.8	41.4	33.4	32.4	29.7	20.7	13.8	9.6	6.2	4.1		
Ratio of Operating Pressure to Minimum Burst Pressure	85%	Yes																		
	95%	Yes																		
Protective coating *		Yes																		
Cyclic duty		R																		
Pulsating duty		R																		
Full Vacuum		R																		
Polymerisation Process		NR																		
Hydraulic Service		R																		
Non-fragmenting disc		R																		
Seat configuration		XL/XLO-Flat																		
O-ring seal for reduced fugitive emission		Viton (Optional)																		
Use in flanged holders		Yes																		
Use in flanged pretoquable holders		Yes																		
Use in Union type Holders		No																		
Use in Screw type holders		No																		

R = RECOMMENDED

NR = NOT RECOMMENDED

Notes

* For applications needing extra corrosion protection the Axis rupture disc can be ordered with an optional FEP Teflon liner on the process side, minimum burst pressure 2 barg, maximum temperature 204°C.

** Maximum burst pressure with 316/316L SST ring. For Hastelloy C276 ring consult Fike.

All above data are subject to change without notice. They must not be used unless confirmed in writing.

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