

## ATLAS RUPTURE DISC

### DESCRIPTION

The ATLAS product line uses the innovative and patented G2 manufacturing technology. It offers higher pressure capabilities while benefitting from processes that eliminate high stress concentrations in the "line of weakness" seen in traditional scored disc products. Premium performance comes standard with a 95% operating ratio, multiple material options, back pressure resistance and unrivaled cycling capability.



ATLAS Rupture Disc

### G2 - A FIKE TECHNOLOGY

All disc families in the G2 product line represent a clean break from traditional disc manufacturing processes. The engineering methods used to develop and validate these products have provided industry leading performance characteristics across all pressure, material and size configurations. The advanced automated processes defining the G2 technology significantly increase lot to lot consistency helping to provide fast, economical industry solutions.

### FEATURES AND BENEFITS

- ATLAS can operate up to 95% of its marked burst pressure
- Operates in both gas and liquid applications
- Zero manufacturing range is standard
- Can be ordered with an optional FEP or PFA fluoropolymer liner on the process side
- Ideal for PRV/SRV isolation. Allows for PRV/SRV's to be tested in place when installed at the valve inlet and will withstand 1.05 times the marked pressure
- Inconel 625 meets NACE requirements MR0103 and MR0175

### APPROVALS:

- ASME
- CE Marked
- KOSHA
- CSL



### ACCESSORIES AND HOLDERS

The ATLAS uses the ATLAS-LO (low profile) series rupture disc holder. This holder is available in multiple materials and configurations. Spacer rings are available and required when the rupture disc assembly is close coupled, to the inlet of a pressure relief valve.

### MINIMUM/MAXIMUM BURST PRESSURES IN PSIG (BARG) @ 72°F (22°C)

IN	DN	316/316L SST		Hastelloy® C276		Inconel 625	
		Min. BP	Max. BP	Min. BP	Max. BP	Min. BP	Max. BP
		Max Temp: 900°F (482°C)		Max Temp: 900°F (482°C)		Max Temp: 1100°F (593°C)	
1	25	200 (13.79)	1100 (75.84)	380 (26.20)	1375 (94.80)	310 (21.37)	1500 (103.42)
1.5	40	120 (8.27)	1000 (68.95)	300 (20.69)	1200 (82.74)	180 (12.41)	1200 (82.74)
2	50	75 (5.17)	915 (63.09)	115 (7.93)	1060 (73.08)	100 (6.89)	970 (66.88)
3	80	60 (4.14)	780 (53.78)	60 (4.14)	865 (59.64)	75 (5.17)	625 (43.09)
4	100	60 (4.14)	615 (42.40)	60 (4.14)	750 (51.71)	60 (4.14)	700 (48.26)

### LINER TEMPERATURE RANGE

Liner Material	Temperature Range
FEP	-40 to 400°F (-40 to 204°C)
PFA	-40° to 500°F (-40 to 260°C)

## BURST/PERFORMANCE TOLERANCE

Marked Burst Pressure		Tolerance	
PSIG	BARG	PSIG	BARG
> 40	> 2.76	±5%	±5%

## OPTIONAL PERFORMANCE TOLERANCES AVAILABLE

Performance Tolerance	Tolerance*
Special Min/Max	Included
± 5% Performance Tolerance	± 5% of Specified burst pressure
± 10% Performance Tolerance	± 10% of Specified burst pressure

\*Performance tolerances can be ordered if total tolerance is greater or equal to standard rupture tolerance for the specified burst pressure range.

## HOW TO SPECIFY

Previous Lot Number:	
OR	
Size:	
Flange Rating:	
Burst Pressure:	@ (Temperature)
Seal Material:	316/316L SST Hastelloy® C276 Inconel 625
Fluoropolymer Liner:	FEP/PFA
Certification:	ASME CE KOSHA CSL

Performance Attributes				Process Media		Rupture Disc Holders
Operating Ratio	Non-Fragmenting	Vacuum Resistant	Pulsating/Cyclic	Liquid	Vapor/Gas	Bolted/Type
						
95%	yes	yes	yes	yes	yes	yes