

## TOP HAT RUPTURE DISC ASSEMBLY

### DESCRIPTION

The Fike Top Hat Rupture Disc Assembly is specifically designed to protect a wide range of pressure relief applications. The Top Hat allows the disc to be mounted flush to the process which aids in prevention of process media build-up that could compromise performance of the disc. Through its design this assembly is ideal for mounting inside the bolt circle of standard companion flanges or it can be engineered to other process equipment specifications. The Top Hat is leak-tight and is recommended for pulsating and cyclical duty. It can also cover a wide range of burst pressures in both vapor and liquid applications.

### FEATURES AND BENEFITS

- ASME UD certification for vapor and liquid applications ( $K_{RGL} = 2.75$ )
- Full vacuum resistance (specify when ordering)
- Fail safe design
- Recommended for polymer applications
- Non-fragmenting design
- Recommended for relief valve isolation
- Can be operated as high as 90% of its rated burst pressure depending upon its service conditions
- Available in 2" (DN 50) through 8" (DN 200) diameters
- Uses standard rupture disc materials: Nickel, Inconel, and Stainless Steel (other materials available upon request)
- Standard Carbon Steel and Stainless Steel holder
- Burst pressures from 75 to 1300 PSIG (5 BARG to 90 BARG)



### MANUFACTURING RANGES

Manufacturing ranges: Standard +0/-10%, Zero

Rupture tolerance:  $\pm 5\%$

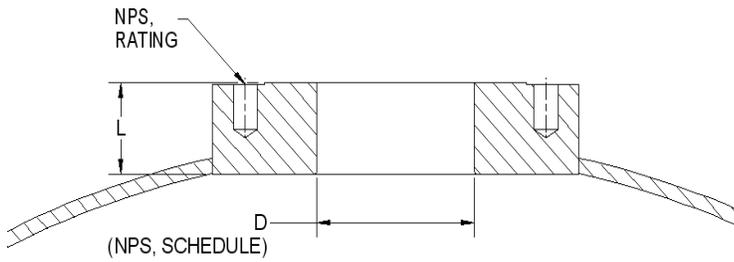
Performance tolerance:  $\pm 10\%$ ,  $\pm 5\%$

Performance Attributes				Process Media		
Operating Ratio	Non-Fragmenting	Vacuum Resistant (when specified)	Pulsating/Cyclic	Polymerization	Liquid	Vapor/Gas
90%	Yes	Yes	Yes	Yes	Yes	Yes

Form No. R.1.41.01

## HOW TO SPECIFY

Previous Lot Number:	
	OR
Size:	
Flange Rating:	
Schedule Bore:	
Burst Pressure:	
Temperature:	
Disc Material:	
Body Material:	
Full Vacuum :	Yes / No
Certifications:	CE / ASME / Burst/Material
Gauge Tap:	No, 1/4", 1/2"
Optional Accessories:	Burst Indication, Jackscrews, Telltale Assembly



## CERTIFICATIONS



ASME Authorized  
Specify When Ordering



0036



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