



Safety is for life.™

## PRODUCT INFORMATION



### A CUSTOMISED COMPACT RUPTURE DISC

The geometry of our rupture discs offers you a valuable innovation: more stable and more durable rupture discs.

By modifying the design of our existing rupture discs, we have made a crucial improvement: Unlike other high pressure rupture discs, the weld seam is not subjected to shear and bending forces – only to pressure. Anyone with a technical knowledge of this area understands that this makes a major difference. Geometrically separating the area under peak stress and the weld seam makes the rupture disc more durable and able to comply with the tightest burst tolerances – tolerances of +/- 3 % and better, depending on the specified burst pressure.

The new HPRD rupture discs provide long-term protection for processes with temperatures up to 400 °C and pressures up to 5,000 barg and beyond.

They have already proved themselves under real process conditions and in a wide range of customer applications. These include reactors, autoclaves and compressors in a variety of high pressure processes, such as LDPE production.



Made in Germany

### Your advantages

- **Extra long service life** even at the highest temperatures and pressures.
- Burst tolerance of +/- 3% prevents premature rupture disc response and thus production standstills.
- **Design can be adapted in any way.**

#### Technical data

Burst pressure	up to 5,000 barg
Temperature	up to 400 °C
Tolerance*	+/- 3 %
Operating ratio	80 % of nominal burst pressure
Material of rupture disc	Inconel
Housing material	17-4 PH (1.4542/1.4548)
Nominal size	customised

\* Standard tolerance (including manufacturing tolerance). Different burst pressures, temperatures, tolerances, operating ratio and materials are available on request.

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