



Safety is for life.™

## PRODUCT INFORMATION



### A CUSTOMIZED COMPACT RUPTURE DISC

The design 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. Moving the weld seam to a location that is not at peak stress results in a rupture disc that is more durable and able to achieve burst tolerances of +/-3% or lower.

The new HPRD High Pressure Rupture Disc provides long-term protection for processes with temperatures up to 752 °F (400 °C) and pressures up to 73,000 psig (5,000 barg) and beyond.

The HPRD is a proven solution 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.



### 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 to a wide variety of applications.**

#### Technical data

Burst pressure	up to 73,000 psig (5,000 barg)
Temperature	up to 752 °F (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	customized

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

Consulting. Engineering. Products. Service.

REMBE® Inc.

9567 Yarborough Road | Fort Mill, SC 29707, USA | T +1 704 716 7022 | F +1 704 716 7025  
info@rembe.us | www.rembe.us