

Opti-Gard™ (OPR/OPK)

Best Performance characteristics for Liquid, Gas or Vapour applications across a wide range of burst pressures

Opti-Gard™ is a technically advanced **reverse acting rupture disc** solution to suit a wide range of customer applications and demanding process conditions. The Opti-Gard rupture disc acts as a single disc solution across a complete line of sizes, materials, burst pressures and process conditions.

Opti-Gard offers a unique range of benefits

Peripherally scored on the vent-side for accurate burst control Opti-Gard benefits from a unique 3% tolerance with a 95%* operating to burst pressure ratio. With these industry-leading technical characteristics Opti-Gard can reduce stock holdings by as much as 65%! This offers significant cost savings as well as a reduced inventory and installation variance, while not affecting quality.

Full vacuum capability

Opti-Gard is a solid metal **bursting disc** with smooth surface finish, a non-fragmenting design and an optional process side fluoropolymer liner. Available in Stainless Steel and Hastelloy, as well as more exotic materials like tantalum, monel and Inconel, Elfab can manufacture the Opti-Gard range to be used even in the harshest of operating conditions while maintaining corrosion resistance. Withstanding full vacuum and high levels of back pressure without the need of an additional vacuum support ensures maximum free flow area on burst.



Cutting costs on rewiring

Opti-Gard is installed into Elfab's reverse-acting, raised face **rupture disc holder** and fitted with a magnet as standard to allow for use of Elfab's unique, reusable, non-invasive **burst detection** system **Flo-Tel™+**. As the only ATEX, IECEx or XD approved detection system on the market, Flo-Tel has been offering significant cost savings to customers for almost 20 years. Elfab's rupture disc holders are available in a wide range of materials and can be manufactured to fit a multitude of industry standard flange specifications.

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Leading the industry in advanced quality performance

Elfab pride themselves in offering the highest level of **quality** and are accredited to a number of leading industry standards. Elfab's rupture discs can be manufactured to ISO 4126 or ASME VIII dependent on customers' requirements.

When used in combination Elfab's rupture discs and detection systems can offer industry leading **SIL ratings** to offer customers increased safety information. Please contact our technically trained sales engineers for more information.

- Industry leading 3% tolerance, up to 97*% operating ratio
- Manufactured to ISO4126 or ASME VIII (UD stamp available)
- Available with or without process side liner
- Available in a wide range of materials
- Tested to a million life cycles
- Non-fragmenting bursting disc design
- Full vacuum capability without additional vacuum support
- Suitable for liquid, gas and vapour applications
- Withstands high levels of back pressure
- Best Free Flow Area capability irrelevant of process conditions
- Smooth surface finish
- Compatible with reusable detection systems Flo-Tel™ and Flo-Tel™ xd

*97% operating ratio may be available under certain operating conditions. Please contact your Elfab sales representative for further details or to request a quote.

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