



**OE**  
for Pharma

# Never Compromise

## Sanitary Pressure Relief Solutions



A **Halma** company

## Never compromise on safety or performance

Your company relies on you to support its life-saving and life-changing work. You rely on your process design and equipment to consistently deliver the highest quality product. And you will never compromise on safety or efficiency.

Our unique pressure relief solutions are designed for environments where protection from contamination is critical. They meet the relevant FDA, USP VI, ASME BPE and 3A Standard requirements, and are CIP/SIP compatible. We rigorously test every product, giving you confidence in the safety, quality, efficiency, and compliance of the pressure relief systems in your aseptic and hygienic processes.

## Improve efficiency and reduce cost with solutions you can trust

- **Increase product throughput:** High operating ratios up to 95% and tight burst tolerances of +/-5% enable greater process efficiency.
- **Prioritize safety:** Our high-performance solutions alleviate potentially dangerous pressure build-up to ensure your processes are safe.
- **Reduce replacement costs:** Pure-Gard can be installed independent to the gaskets and remains in place for up to three years.
- **Respond to industry changes:** In-house R&D and testing means we can quickly develop and manufacture new designs.



# Durable and easy-to-clean for a safe, compliant workplace

Our solutions meet the  
requirements for:

FDA  
USP Class VI  
3A Standard  
ASME BPE



## Sanitary API rupture discs

- Non-torque sensitive discs available
- Meets FDA, USP and 3A standard requirements
- Standard surface finish of 0.4 µm Ra (15 microinches) or better
- Electropolishing to ASME BPE standards available
- Suitable for CIP and SIP processes
- Non-fragmenting design
- Oxygen cleaning available

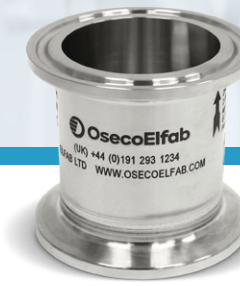


## Sanitary rupture discs for ferrule connections

*All the benefits of the sanitary API discs, plus:*

- Robust, proprietary design is less sensitive to misaligned piping
- Compatible with industry standard ferrule and NovAseptic®\* connections
- Gaskets meet USP Class VI requirements
- Gaskets are certified free from animal derivatives
- Gaskets conform to DIN EN 10204:2.1

\*NovAseptic is a registered trademark of Millipore Corporation



## Pure-Gard®: Welded sanitary rupture disc cartridge

*All the benefits of the sanitary API and ferrule discs, plus:*

- Crevice-free design
- 3-year warranty as standard
- Industry-leading 3% tolerance
- Hygienic and aseptic nature proven in an independent riboflavin test
- Simplify maintenance by using your preferred, in-house gaskets
- Change gaskets as often as needed without having to change the disc
- Disc is protected from damage



## Sanitary burst sensor

- Only non-invasive, re-usable sanitary sensors on the market
- Reduced risk of contamination
- No leak paths
- No false alarms due to pressure fluctuations
- No re-wiring after disc activation
- Membrane-style sensors also available

*In addition to these products, we also offer custom pressure relief solutions for specialized process requirements. Please contact us for more details.*



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