



# Pure-Gard

## Protecting Biopharma Manufacturing

An innovation in sanitary pressure relief



A **Halma** company



## About Pure-Gard

Pure-Gard is a one-piece cartridge with a rupture disc electron-beam welded between two ferrules. It provides a pressure relief solution independent of the gasket, allowing regular change of gaskets, as required, with no need to change the disc. This allows us to offer Pure-Gard with a three-year warranty as standard.

Electron-beam welding achieves an exceptionally high integrity weld joint. This ensures the interface between the disc and the ferrule wall is crevice-free and meets industry expectations for cleanability.



### Technology you can trust

The unique and complex biopharmaceutical manufacturing environment drives the need for technology you can trust. Pure-Gard introduces a revolutionary solution to protect your processes and equipment.



### Contact Us

To discuss your pressure relief requirements with a member of our global Pharmaceutical Team, please email us at [uksales@osecoelfab.com](mailto:uksales@osecoelfab.com) or speak to us directly on +1 (918) 258 5626 (US) / +44 (0)191 293 1234 (UK).

## Features and Benefits



### Crevice and dimple free

Pure-Gard meets all expectations for cleanability with its crevice and dimple free design. Our rigorous testing programme includes 100% dye penetrant testing and 100% helium leak testing. Pure-Gard has additionally been subjected to an independent riboflavin test. Details are available in a white paper.



### Structural stability

The one-piece design protects the rupture disc, avoiding the risk of damage during installation. Pure-Gard's structural stability also means its performance is unaffected by vent-side pipework loads.



### Extended product life

Pure-Gard provides a solution that is installed independently to the gaskets. You can use your choice of gasket, and change the gaskets as often as needed without disposing of the disc at the same time. This innovation significantly extends Pure-Gard's useful life. We offer Pure-Gard with a three-year warrant as standard.



### Tag free

Pure-Gard's specifications and technical information are laser-etched on the side, making the data easy to read and removing the need for a tag.



### Non-invasive, reusable burst detection

Pure-Gard is designed for use with OsecoElfab's Vent-Tel burst detection system, an independent, reusable, non-invasive solution mounted directly to the tri-clamp. This makes disc inspection and replacement quick and easy.



### A range to suit your requirements

Pure-Gard is available in a range of sizes and burst pressures. All Pure-Gard devices are manufactured to be compatible with the Millipore NovAseptic Connectors and similar ASME/PED fittings as well as inline ferrule fittings.

# About OsecoElfab

Pressure management solutions for the pharmaceutical industry. Our global Pharmaceutical Team offers a worldwide service, industry expertise and a broad range of pressure relief products for a safer, cleaner world.

## Global Reach

Our specialist, global Pharmaceutical Team is supported by two manufacturing facilities, one in North Shields (UK) and one in Broken Arrow (USA). Additionally, OsecoElfab offers regional sales offices around the world and a network of channel partners dedicated to our pharmaceutical customers.



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