

# Company Profile

- RUPTURE DISCS ● EXPLOSION VENTS ● BUCKLING PIN RELIEF VALVES ● FLAME ARRESTERS



## Leading the industry in pressure management innovation

As a global manufacturer of rupture discs, explosion vents, buckling pin relief valves, flame arresters and associated detection systems, Elfab's intelligent pressure relief systems protect people, plant, processes and the environment across the globe. With some of the most technically advanced products on the market, Elfab delivers unique design, testing and consultancy services for pressure management solutions. A truly global organisation providing enhanced process safety for multiple applications and industrial sectors including Oil & Gas, Aerospace & Defence, Chemical, Solids & Bulk Handling and many more. As part of our ongoing commitment to risk reduction, Elfab are recognised as a global company with exceptional export history plus over 80 years' pressure management experience.

[sales@elfab.com](mailto:sales@elfab.com)



THE QUEEN'S AWARDS  
FOR ENTERPRISE:  
2015

[www.elfab.com](http://www.elfab.com)

## Products

---

### Rupture Discs (Bursting Discs)

Elfab design and manufacture a complete line of rupture discs offering some of the highest performance specifications on the market for a wide range of applications and industries. Efficiently manufactured for accurate burst control, Elfab's reverse rupture disc range is capable of operating up to 97% of rated burst pressure with an industry leading 3% tolerance. **Elfab's technically advanced Opti-Gard™ discs offer a single disc solution across a range of burst pressures.**

### OEM & Rupture Disc Plugs

Elfab's expertise in developing custom engineered solutions has been applied to a diverse range of industries. Working to the highest possible standards our unique design for manufacture approach allows us to tailor our products to meet the requirements of individual projects. Elfab has built up significant experience in the design and manufacture of Plugs, Unions and other small disc assemblies, producing a wide range of variations to supply a diverse customer base. **Elfab leads the industry in providing Electron Beam Welded units producing the highest integrity joint possible.**

### Explosions Vents (Bursting Panels)

Used to protect against the hazards of dust explosions within silos and bucket elevators, Elfab's full opening, non-fragmenting explosion vents are available in an extensive range of sizes, shapes and designs. Dependent on the specific application, Elfab's explosion vents are available in single, multi-layer and ribbed constructions. **Elfab's full explosion panel range is available as standard with a non-invasive, fail safe detection system.**

### Holders & Accessories

Elfab manufacture a number of products to ensure the correct performance and installation of our pressure relief range. **The Test-Tel installation tool is designed to confirm correct disc and detection set-up, improving start up and reducing maintenance schedules.**

### Rupture Disc Burst Detection

Without suitable burst detection systems in place, companies face a number of health and safety, environmental and cost concerns. Therefore, detection systems are required to reduce these risks. Elfab have a range of ATEX approved detection systems including the only WirelessHART™ system eliminating costs and complexity of wiring by obtaining immediate process alerts from an intelligent, real-time process monitoring equipment.

**Non-invasive, ATEX approved Flo-Tel™ is an excellent solution for identifying when a rupture disc functions within arduous operating conditions.**

### Buckling Pins

Advanced protection on a variety of safety critical conditions. Elfab's Buckling Pin Relief Valves (BPRVs) are uniquely designed under the highest quality standards to meet customer's individual applications. Almost maintenance free and not subject to annual replacement; Elfab's buckling pins are long-term cost effective solutions for a wide range of applications. **Reduce downtime, installation and maintenance costs in safety critical environments.**

### Flame Arresters

Elfab supplies the latest generation of flame arresters, combining innovative, patented designs with vast market knowledge. This breakthrough in flame arrester technology eliminates problems associated with previous designs and offers significant cost and performance advantages.

**Leading the industry with deflagration-proof, detonation-proof and endurance burning designs.**