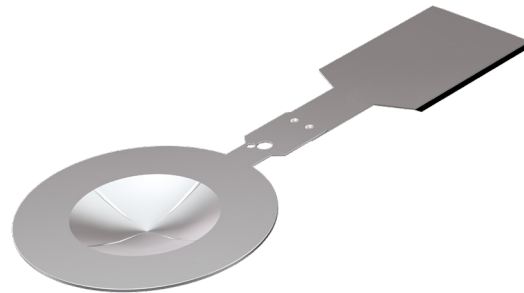


# Bursting Disc and Safety/Relief Valve Combination



## Overpressure Protection

Using Bursting Discs in Combination  
with Safety/Relief Valves.



### Application

The ASME and other pressure vessel codes allow the use of bursting discs in series with safety valves thus providing a wide range of benefits.

### Bursting Disc Selection

Not all bursting discs are suitable for installation below safety valves.

It is important that any bursting disc installed below a safety valve should be a non-fragmenting design as fragments from a bursting disc may:

- Damage the valve and/or seat
- Block the valve
- Damage other downstream equipment



### Reverse Acting Discs

Modern reverse acting discs can be manufactured as non-fragmenting designs and their wide burst pressure range, tolerance of high and cycling operating pressures and vacuum resistance make them ideal for installation in series with a safety valve for low and medium/high pressures. Installation of a reverse acting disc will allow in-situ check of calibration of the safety valve without disturbing the process side of the disc or other pipework. This can allow savings in dismantling of equipment and reduced plant downtime.

### Elmac Expertise

Elmac Technologies® has been manufacturing protection equipment since 1948 and brings enhanced levels of flame and explosion protection to a diverse range of applications.

Elmac offers considerable technical leadership and, utilising a range of testing facilities along with Computational Fluid Dynamics (CFD) studies, employs research teams renowned for developing solutions for the most challenging of industrial applications.

### Features and Benefits

- **Non-fragmenting** – protects process equipment from damage on activation
- **Fast acting** – reacts in thousandths of a second for optimum protection
- **Micro-scored construction** – ensures reliable operation at precise set pressure
- **Optimised design** – ensures protection against accidental activation

- **Cost-effective** – sealed unit holders simplify installation and maintenance
- **Extensive range** – available for all conditions including Sanitary, Hygienic and Cryogenic
- **Bespoke designs** – multiple venting options in Forward, Reverse or Two-way acting format
- **Flexibility** – wide range of materials, sizes and set pressures for all operating conditions
- **Superior quality** – designed and tested in Europe to ASME (US Engineering) standards
- **Excellent service** – pre and post-sales technical support

### Customer Support

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All specifications are correct at time of print, are for guidance purposes only and subject to change without prior notice.

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Protecting People, Property and our Planet.