

Application: Gas Coolers and Heat Exchangers



Rupture discs (or burst discs) act as primary valve isolation or secondary pressure relief devices within shell and tube gas coolers and heat exchangers.

The device is often used on the sea water side (shell side) containing high pressure which is either heated or cooled by a low pressure utility fluid. The rupture disc offers overpressure protection at a much greater speed than traditionally offered by a safety relief valve. When the disc bursts, the pressure is immediately released to avoid costly explosions.

The integral magnetic detection system available with Elfab's rupture disc range initiates an instant alarm signal to identify that there has been a burst. This ensures that the integrity of other parts of the system are not compromised and the system can be reset.



Recommended products

Opti-Gard™ high performance reverse-acting rupture disc

- Withstands high levels of back pressure
- Suitable for gas, liquid and vapour applications



Flo-Tel+™ Technology
Integral, reusable, non-invasive ATEX,
IECEx or Exd burst detection



NORSOK approved materials