

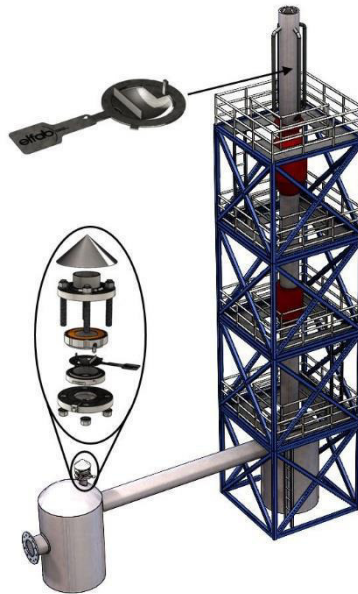
# Application: Knock-Out Drums

In most industrial plants, there is a vapour-liquid separator, or knockout drum, upstream of the flare to remove any liquid that may accompany the relieved gases. Rupture discs protect knockout drums from being over pressured.

As an accurate and reliable solution, rupture discs can be used as primary relief, secondary relief, or in combination with a traditional safety valve for optimal protection.

Double rupture discs (back to back arrangements) are also a common solution where failures of the initial disc may occur. In this case, the second disc is reversed to withstand the initial shock pressure.

In some applications, the rupture disc can be installed in parallel to the safety relief valve to provide a direct path to the flare in case the mechanical valve should fail to open.



## Recommended products

### Opti-Gard™ high performance reverse-acting rupture disc

- Tested to one million life cycles
- Available in a wide range of materials



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



NORSOK approved materials