

Application: Flare Stacks

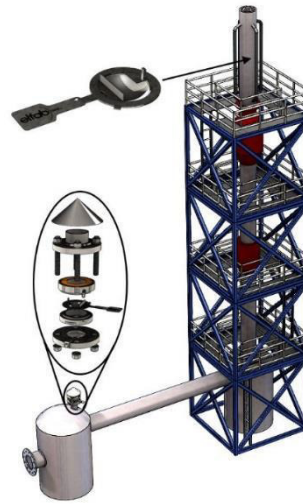
Flare stacks are used to eliminate waste gas where it is not feasible to use it or transport it away from the gas processing system.

Rupture discs or bursting discs protect the equipment from explosion as a result of becoming being over pressurised. If the pressure in the gas recovery system rises, the rupture disc will burst first, re-establishing the path to the flare which is ignited to burn the waste gas.

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 disc assemblies (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

- Available in a wide range of materials
- Excellent resistance against corrosion

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



NORSOK approved materials