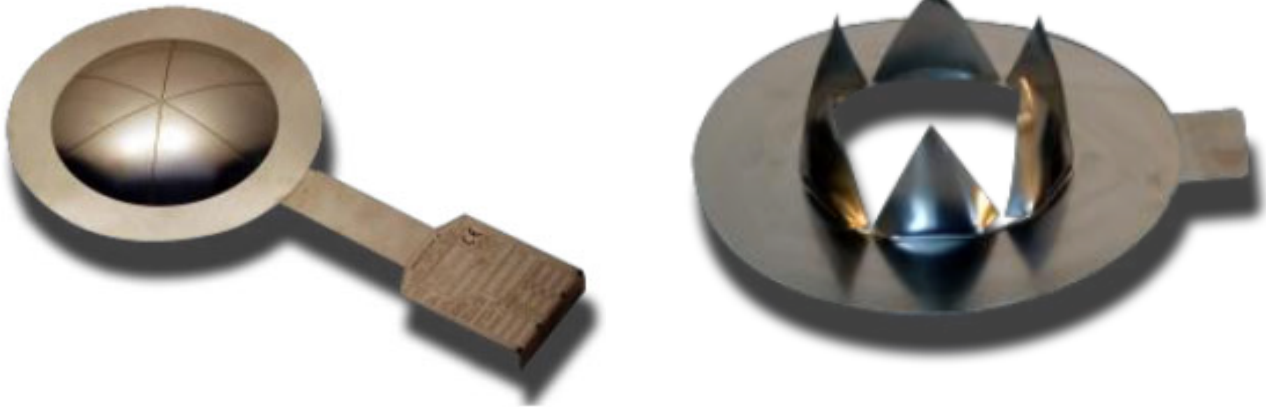


Sprängbleck/Sprängpaneler (SCD Rupture Disc)



Product Overview

The SCD Rupture Disc is a concave rupture with micro-scored calibrated section. Special feature of SCD is scoring in 6 sectors instead of 4 as usual in all competitors' discs.

Opening in 6 petals allows a better opening reducing the risk of petal detachment even at high bursting pressure. It is used with gas and liquids also in cycling and pulsating conditions without reduction of safety margins.

SCD disc reacts to excessive pressure in a few milliseconds without fragmentation. It is especially suited for protection of pressure relief valves. SCD disc may operate at 85% of the bursting pressure and has a very good resistance to corrosion due to the thickness of the material employed.

Corrosion resistance may be additionally improved by PTFE lining. Vacuum support is normally not required. Available in special execution certified Ex II 2GD according to European Directive 94/9/CE (ATEX).

See Technical Properties below...

Model	SCD
Materials	Stainless Steel, Aluminium, Nickel, Hastelloy, Inconel, Monel, Titanium
Membrane	No
Available dimensions	DN 25 – DN 600
Bursting pressure	2 - 80 bar g (function of material and diameter)
Tolerance	from +/- 5 % to +/- 20%
Operating temperature	up to a 450°C
Operating margin	85 %
Holder	HI o AZ 60 with flat or conical seat; sanitary with flat seat
Fragmentation	No
ATEX	Yes
Use in conjunction with safety valve	Yes
Corrosion resistance	Very good
Vacuum support	Available
Rupture indicator	SVT /AT or NAM 03HT or OFI
Linings	Available

