



## TECHNICAL DATASHEET SCR Rupture Discs for SF6 application

DonadonSDD's SCR reverse acting rupture discs are essential safety devices that prevent sudden pressure variations from damaging industrial plants. Reverse acting rupture discs have a convex disc camber that remains unaltered under operating pressure until reverse pressure is reached and this can ensure long service life. Our SCR Rupture Discs can be specifically designed to protect gas insulated systems from pressure surges and contain SF6 gas.

### Keyfeatures & technical benefits

#### High Certification Standards:

Our rupture discs are certified to the highest safety standards, including PED 2014/68/UE (CE STAMP), ATEX EX II 2 GD (CE STAMP), PER 2016 UK Statutory Instruments 2016 No 1105 (UKCA STAMP), CU TR 032 (EAC STAMP).

#### Advanced Technology:

SCR rupture discs obtained using our patented Laser NS NanoScored technology are reverse-acting discs with micro-scored calibrated sections opening in petals, reducing the risk of petal detachment.

#### Reliable Performance:

Withstands thousands of cycles without compromising their reliability, with ratios up to 95% between operating and rupture pressure.

#### Versatile Design:

Designed for easy installation in customer's flanged coupling and has a long lifespan under cyclic and pulsating pressures.

#### Non-Fragmenting:

DonadonSDD SCR Rupture Discs ruptures in a few milliseconds along the scored lines without generating any fragments.

### Why Choose DonadonSDD SCR Rupture Discs?

- DonadonSDD's SCR Rupture Discs are certified to the highest safety standards, providing reliable protection for your industrial plant.
- Our SF6 discs are designed for direct installation in the equipment within customer-specific flanges.
- Vacuum Resistance: Does not require vacuum support, avoiding restrictions in the discharge area. Superior leak tightness when coupled with an O-ring.

#### PERFORMANCE ATTRIBUTES

Operation Ratio

up to 95%

Non Fragmenting

yes

Vacuum Resistant

yes

Sanitary

no

#### PROCESS MEDIA

Liquid

no

Vapor/Gas

yes

#### CERTIFICATIONS

