

DONADONSDD SCD rupture discs for aseptic applications



Model	SCD
Materials	Stainless steel, Alloy 201, Alloy 400, Alloy 600, Alloy C276, Titanium, Tantalum
Gaskets	PTFE
Dimensions	DN 1''(25) - DN 8''(200)
Rupture pressure	3 bar g - 25 bar g (depending on material and diameter)
Tolerance	from +/- 5 % to +/- 20%
Operating temperature	Gaskets in PTFE (max 265°C)
Operating margin	up to 85%
Fragmentation	No
Use under valve	Yes
Corrosion resistance	Very good
Linings	Yes
<u>Container</u>	<u>HTC</u>
<u>Rupture indicators</u>	<u>Electric</u>
ATEX EX II 2 GD Certification	Available
PED Certification [CE STAMP]	Available
3-A Compliance	Available

DonadonSDD' SCD rupture discs obtained with Nanoscored Technology is a compression-loaded disc with a micro-scored calibrated section opening in petals, featuring 4, 6 or more radial scoring. This disc has been designed to meet the high quality standards required by 3-A SSI, whose aim is to ensure public health through hygiene equipment.

The SCD model is particularly suitable for the Pharmaceutical, Food, and Biotechnology industries. This disc is entirely made of AISI 316L stainless steel (or other alloys upon request of the client). It's smooth surface on the process side makes it particularly suitable for C.I.P. and S.I.P. treatments to maintain aseptic conditions. PTFE gaskets, which are certified in compliance with FDA and USP class VI, 3-A, and Eu 10/2011 regulations, facilitate the installation in Clamp fittings (sanitary, Tri-Clamp, Tank Connection).

The SCD disc reacts to overpressures in just a few milliseconds without fragmentation. Moreover, in many cases, it can be subject to absolute vacuum conditions without the need for supports.