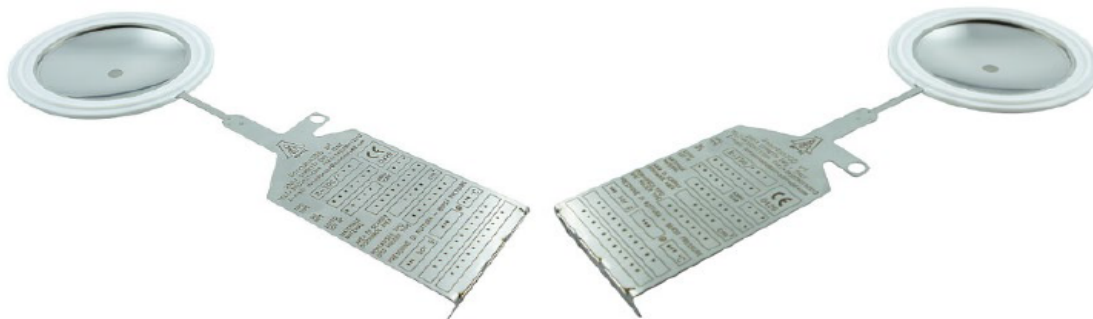


DONADONSDD Y90 rupture discs for aseptic applications



Model	Y90
Materials	Stainless steel, Alloy 201, Alloy 400, Alloy 600, Alloy C276, Titanium, Tantalum
Gaskets	PTFE
Dimensions	DN 1''(25) - DN 8''(800)
Rupture pressure	0,3 bar g - 10 bar g (depending on material and diameter)
Tolerance	from +/- 5 % to +/- 20%
Operating temperature	Gaskets in PTFE (max 265°C)
Operating margin	90% - Able to reach 95% depending on the conditions of service
Fragmentation	No
Use under valve	Yes
Corrosion resistance	Very good
Linings	Yes
Container	<u>HTC</u>
Rupture indicators	<u>Electric</u>
ATEX EX II 2 GD Certification	Available
PED Certification [CE STAMP]	Available
3-A Compliance	Available

DonadonSDD Y90 rupture discs obtained with Nanoscored Technology is a compression-loaded disc or reverse-acting disc, scored around the circumference. 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. 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 Y90 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.

The Y90 rupture disc is used with gas or liquids only (with the presence of a gas cushion), also under cycling and pulsating conditions, while safety is never affected.

Upon reversal, the disc opens completely in a few milliseconds along the score line, thus preventing fragmentation from forming.