

DonadonSDD DIF rupture discs



Model	DIF
Materials	Stainless steel, Alloy 201, Alloy 400, Alloy 600, Alloy 625, Alloy C276, Titanium
Membrane	PTFE, PFA, Stainless steel, Aluminium
Dimensions	DN 2''(15) – DN 40''(1000)
Rupture pressure	0.5 - 5 bar g (depending on material and diameter)
Tolerance	from +/- 5 % to +/- 20%
Operating temperature	membrane in PTFE/PFA max 265°C, up to 480°C (depending on the membrane)
Operating margin	up to 70%
Vacuum support	Available
Fragmentation	No (membrane only)
Use under valve	Yes
Corrosion resistance	Good - can be protected with a PTFE membrane
Linings	Yes
Container	Mounted between flanges
Rupture sensor	Electrical , Magnetic , Inductive , Optical
PED Certification [CE STAMP]	Available
ATEX EX II 2 GD Certification	Available

DonadonSDD DIF rupture discs are [composite conventional discs](#) formed by four parts:

- a slotted, perforated metal part
- a seal membrane (usually in PTFE but also available in many other metallic or non-metallic materials)
- a protection section
- a calibration ring

This disc has been designed to be mounted between flanges.

It is excellent for use with gas and liquids in static conditions and excellent for low pressures.

DIF discs react to excessive pressure with total opening in a few milliseconds.

They are therefore recommended for valve protection. Supports may be provided for vacuum or counter-pressure protection.

Composite DonadonSDD rupture discs may also be used for simultaneous protection from pressure and vacuum.

