

## DonadonSDD DCD rupture discs



Model	<b>DCD</b>
Materials	Stainless steel, Alloy 201, Alloy 400, Alloy 600, Alloy 625, Alloy C276, Titanium
Membrane	PTFE, PFA, Stainless steel, Aluminium
Dimensions	DN ½”(15) – DN 40”(1000)
Rupture pressure	0.01 - 110 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 80%
Vacuum support	Available
Fragmentation	No (membrane only)
Use under valve	Yes
Corrosion resistance	Good - can be protected with a PTFE membrane
Linings	Yes
<u>Container</u>	<u>HI/A, HI/P, HI/F, HTC</u>
Rupture sensor	<u>Electrical, Magnetic, Inductive, Optical</u>
PED Certification [CE STAMP]	Available
ATEX EX II 2 GD Certification	Available

DonadonSDD DCD rupture discs are [composite conventional discs](#) formed by three 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

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

DCD discs react to excessive pressure with total opening in a few milliseconds without fragmentation. 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 va