

DonadonSDD TCD rupture discs



Model	TCD
Materials	Stainless steel
Membrane	PTFE, PFA
Dimensions	DN 2"(50) – DN 2" 1/2(65) – DN 3"(80)
Rupture pressure	from 3 to 5 bar g
Tolerance	+/- 5 %
Operating temperature	up to 265 °C
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
Container	Directly mounted
Rupture sensor	Electrical , Magnetic , Inductive , Optical
PED Certification [CE STAMP]	Available
ATEX EX II 2 GD Certification	Available

DonadonSDD TCD rupture discs are [composite 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 especially to be mounted on road or rail tankers containing liquids and gas in static, cycling and pulsating conditions.

TCD 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.

