

TECHNICAL DATASHEET

DCD Rupture Discs

High

Quality Safety Devices for Industrial Plants

DonadonSDD offers DCD rupture discs that are designed to protect industrial plants from sudden pressure variations that can cause severe damage. The DCD rupture discs are consisting of 3 or more components parts that form a single unit disc to be inserted in a specific holder. Are available in a large variety of executions to cover most industry requirements.

Keyfeatures & technical benefits

High Certification Standards:

Our DCD rupture discs are certified to meet the highest international standards, including PED 2014/68/UE (CE STAMP), ATEX EX II 2 GD (CE STAMP), PER 2016 UK Statutory (UKCA STAMP), CU TR 032 (EAC STAMP)

Technique:

Composed of a slotted, perforated metal part, a seal membrane (usually in PTFE or PFA but available in various metallic or non-metallic materials), and a protection section

Applications:

Ideal for use with gas and liquids under static conditions and low pressure

Non-Fragmenting:

Responds to excessive pressure with total opening in milliseconds without fragmentation of metallic layers (Suitable for valve protection)

Vacuum Resistance:

Specific support for vacuum and back-pressure protection are available on request.

Double way disc option:

Protects against vacuum and pressure simultaneously (even with two different set pressures)

Why Choose DonadonSDD?

- Our DCD rupture discs are certified to meet the highest international safety standards, providing reliable protection for your industrial plant.
- DonadonSDD DCD rupture discs are ideal for use with gas and liquids under static conditions and low pressure, making them highly versatile.
- The discs respond rapidly to excessive pressure, preventing damage to your plant.







TECHNICAL DATA

MODEL	DCD
MATERIALS	Stainless steel, Alloy 201, Alloy 400, Alloy 600, Alloy 625, Alloy C276, Titanium
SEAL MEMBRANE	Available in PTFE or PFA
DIMENSIONS	From DN25 (1 inch) to DN1000 (40 inches)
RUPTURE PRESSURE	0.01 - 100 bar g (Depending on size and material)
TOLERANCE	from +/- 5 % to +/- 40%
OPERATING TEMPERATURE	max 260°C (membrane in PTFE or PFA)
FRAGMENTATION	No (membrane only)
USE IN COMBINATION WITH PSV	Suitable
OPERATING MARGIN	Can reach up to 80% depending on service conditions.

DonadonSDD is now part of **Baker Hughes** >

RESISTANCE TO VACUUM PRESSURE	Yes, Vacuum Support Required
DOUBLE WAY DISC OPTION	Available, even with two different set pressures
CORROSION RESISTANCE	Very Good
LININGS	Available in PTFE and PFA
HOLDER	HIA , HIP , HIF
RUPTURE SENSOR	Electrical , Magnetic , Inductive , Optical

PERFORMANCE ATTRIBUTES

Operation Ratio	Non Fragmenting	Vacuum Resistant	Sanitary	Liquid	Vapor/Gas
					
up to 80%	yes (membrane only)	yes, Vacuum Support Required	no	yes	yes

PROCESS MEDIA

CERTIFICATIONS

