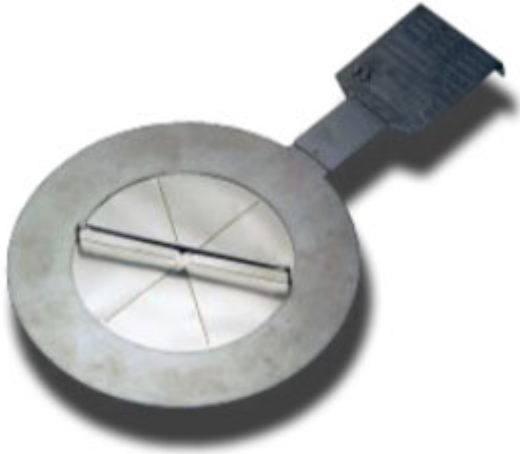


# Sprängbleck/Sprängpaneler (LPD Rupture Disc)



## Product Overview

The LPD rupture disc is a composite conventional disc formed by four parts: A slotted, perforated metal part. A seal membrane (usually in PTFE). A protection section. A calibration ring with blades to improve membrane opening.

Designed to protect processing and storage tanks, atmospheric vessels and silos against implosion or overpressure conditions. It reacts to over-pressure in a few thousands of a second with total opening and without fragmentation. LPD discs are a simple, reliable, accurate and economical solution for applications requiring extremely low positive and/or negative pressure protection.

Their primary use is in storage tanks with low design pressures in applications where contamination is unacceptable. The SDD model LPD discs offer non-fragmenting opening and avoid product contamination. The disc will attain full relief within 1 second from the start of rupture and allows for instantaneous system relief at ultra low pressures.

LPD discs may be installed directly between flanges avoiding the requirement for holders with blades and can be offered to meet a broad range of non standard specifications and applications.

LPD discs can be provided with: Dual protection (vacuum / pressure). Vacuum / counter-pressure support. Burst detector, ATEX approved, giving immediate indication of burst occurrence.

See Technical Properties below...

<b>Model</b>	<b>LPD</b>
Materials	Stainless Steel, Aluminium, Nickel, Hastelloy, Inconel, Monel, Titanium, Copper
Membrane	PTFE
Available dimensions	DN 50 – DN 900
Bursting pressure	0,01 – 0,5 bar g (function of material and diameter)
Tolerance	from +/- 10 % to +/- 25%
Operating temperature	Up to 260°C
Operating margin	80 %
Holder	Not required (directly mounted between flanges)
Fragmentation	No (membrane only)
ATEX	Yes
Use in conjunction with safety valve	Yes
Corrosion resistance	Good
Vacuum support	Available
Rupture indicator	OFI (with spacer)
Linings	Yes