

# Sprängbleck/Sprängpaneler (TCD Rupture Disc)



## Product Overview

The TCD rupture disc is a composite conventional disc 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 specifically to be mounted on rail or road tankers transporting liquids or gases in static or pulsating conditions. It reacts to over-pressure in a few thousands of a second with total opening and without fragmentation. TCD disc is therefore recommended for protection of pressure relief valves.

Supports may be provided for protection from vacuum or counter pressure. Available in special execution certified Ex II 2GD according to European Directive 94/9/CE (ATEX).

See Technical Properties below...

<b>Model</b>	<b>TCD</b>
Materials	Stainless Steel, Aluminium, Nickel, Hastelloy, Inconel, Monel, Copper
Membrane	PTFE, FEP, Mylar, Stainless Steel, Aluminium, Copper
Available dimensions	DN 50 – DN 65 – DN 80
Bursting pressure	3,75 and 4,84 bar g at 20°C
Tolerance	From +/- 5 % to +/- 20%
Operating temperature	Up to 450°C
Operating margin	80 %
Holder	HI o AZ 60 with flat or conical seat; sanitary with flat seat
Fragmentation	No (membrane only)
ATEX	Yes
Use in conjunction with safety valve	Yes
Corrosion resistance	Good – may be protected with a membrane
Vacuum support	Available
Rupture indicator	SVT /AT or NAM 03HT or OFI (with spacer)
Linings	Protection membrane