

Sprängbleck/Sprängpaneler (DIF Rupture Disc)



Product Overview

The DIF 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 to be mounted between flanges. It is excellent for use with gas and liquids in static conditions and excellent for low pressures. DIF disc is particularly suitable to be fitted on equipment and systems. It reacts to over-pressure in a few thousands of a second with total opening and without fragmentation.

DIF disc is therefore recommended for protection of pressure relief valves. Supports may be provided for protection from vacuum or counter pressure. DIF disc may also be used for protecting silos or other equipment from vacuum. Available in special execution certified Ex II 2GD according to European Directive 94/9/CE (ATEX).

See Technical Properties below...

Model	DIF
Materials	Stainless Steel, Aluminium, Nickel, Hastelloy, Inconel, Monel, Titanium Copper
Membrane	PTFE, FEP, Mylar, Stainless Steel, Aluminium, Copper
Available dimensions	DN 15 – DN 900
Bursting pressure	0,01 – 5 bar g (function of material and diameter)
Tolerance	from +/- 5 % to +/- 20%
Operating temperature	Up to 315°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 – may be protected with a membrane
Vacuum support	Available
Rupture indicator	SVT /AT or NAM 03HT or OFI (with spacer)
Linings	Protection membrane