

## DonadonSDD DIF rupture discs



|                               |   |
|-------------------------------|---|
| Model                         | <b>DIF</b>  |
| Materials                     | Stainless steel, Alloy 201, Alloy 400, Alloy 600, Alloy 625, Alloy C276, Titanium                           |
| Membrane                      | PTFE, PFA, Stainless steel, Aluminium   |
| Dimensions                    | DN 2''(15) – DN 40''(1000)  |
| Rupture pressure              | 0.5 - 5 bar g (depending on material and diameter)  |
| Tolerance                     | from +/- 5 % to +/- 20%   |
| Operating temperature         | membrane in PTFE/PFA max 265°C, up to 480°C (depending on the membrane)                                     |
| Operating margin              | up to 70%   |
| Vacuum support                | Available   |
| Fragmentation                 | No (membrane only)  |
| Use under valve               | Yes   |
| Corrosion resistance          | Good - can be protected with a PTFE membrane  |
| Linings                       | Yes   |
| Container                     | Mounted between flanges   |
| Rupture sensor                | <a href="#">Electrical</a> , <a href="#">Magnetic</a> , <a href="#">Inductive</a> , <a href="#">Optical</a> |
| PED Certification [CE STAMP]  | Available   |
| ATEX EX II 2 GD Certification | Available   |

DonadonSDD DIF rupture discs are [composite conventional 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 to be mounted between flanges.

It is excellent for use with gas and liquids in static conditions and excellent for low pressures.

DIF 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.

Composite DonadonSDD rupture discs may also be used for simultaneous protection from pressure and vacuum