



# BI-DIRECTIONAL RUPTURE DISCS

The 2-in-1 rupture disc

The bi-directional acting rupture disc opens in one direction for a defined overpressure and in the other direction for vacuum. It is primarily used in storage tanks and processes involving gases or liquids. The rupture disc permits a standard operating ratio of 80%\* in the overpressure direction and 70%\* in the vacuum direction.

By combining the principles of the KUB® reverse acting rupture disc with the buckling pin and the three-section design of the ODV forward acting rupture disc, we can offer you a rupture disc that responds at two different but precisely defined burst pressures.

## Your advantages

- **Performs the work of two rupture discs** at one installation point.
- **No additional holder required:** mounted directly between flanges or angular rings.
- Suitable for a **wide range of applications.**

\* Depending on the specific application

■ Made  
■ in  
■ Germany



### Technical data

NPS [in]	2"	2½"	3"	4"	6"	8"	10"	12"
DN [mm]	50	65	80	100	150	200	250	300

### Min. burst pressure at 22 °C

Pressure [barg]	0.50	0.50	0.50	0.30	0.15	0.10	0.10	0.10
Vacuum [barg]	-0.40	-0.30	-0.15	-0.025	-0.02	-0.02	-0.02	-0.015

### Vent area

In pressure direction [cm²]	17	25	35	60	125	245	400	600
In vacuum direction [cm²]	4.5	6.0	11	20	55	60	90	110

Standard material combination: stainless steel/PTFE/stainless steel up to max. 230 °C.  
 Different nominal widths, pressure classes, temperatures, materials and fittings available on request.



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