



## The reverse acting rupture disc with the patented manufacturing process

The IKB® rupture disc was developed to provide reliable protection against excessive overpressure and vacuum in equipment such as pressure vessels, pipe systems, gas cylinders and reactors. It is suitable for applications with gas, steam and liquids<sup>1</sup> as well as for isolating safety valves. IKB® permits a standard operating ratio of up to 90 %<sup>2</sup>.

The patented manufacturing process produces an instant, full and fragmentation-free opening across the full width of the vent. High quality rupture disc produced without the need for mechanical scoring or knife constructions. This ensures exceptionally high resistance even under cyclic loads.



**Made  
in  
Germany**

## Your advantages

- **Maximum safety even at high pressures.**
- **You can use safety valves manufactured from lower cost materials** because they do not come into contact with the medium during normal operation.
- In-situ tests **reduce safety valve maintenance costs.**



IKB® with rupture disc holder for maximum safety. Installation is extremely simple, torque-independent and requires no special tools.

<sup>1</sup>If there is a gas cushion upstream of the rupture disc.

<sup>2</sup>Depending on the specific application

### Technical data

#### Max. recommended temperature\*

Stainless steel	+400 °C
Hastelloy**	+400 °C
Nickel	+400 °C
Inconel**	+600 °C

#### Vent area and pressure range\*\*\*

NPS [in]	DN [mm]	Vent area*** [cm <sup>2</sup> ]	Min. burst pressure [bar]	Max. burst pressure [bar]	Installation height [mm]
¾"	20	3.4	8.0	100	41
1"	25	5.5	3.5	100	46
1½"	40	13	2.0	64	46
2"	50	22	1.5	64	53
3"	80	50	1.0	40	60
4"	100	80	0.80	40	68
6"	150	180	0.50	40	80

\*Vent area compliant with PED certification, MNFA (ASME Sec. VIII, Div. 1) may vary.

\*\*Company Names or trademarks combined with material descriptions are only used for description purposes. The product promoted is not product of the respective companies and trademarks.

Temperature range for rupture discs with CE mark may vary.

Different sizes, pressure classes, temperatures, materials and fittings available on request.



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