

SINGLE LAYER RUPTURE DISCS

The rupture
disc that
started it all.

The Grandfather of all rupture discs

The rupture disc that started it all many decades ago. Even now, this forward acting rupture disc is still a good choice for simple applications with medium to high pressures, such as in pumps, in the petrochemical and chemical industries or in hydraulics. The standard operating ratio is up to 70%¹ of the minimum response pressure.

The burst pressure is determined by the tensile strength and thickness of the material. Also available with integrated vacuum support for total vacuum resistance.

Your advantages

- Easy to use.
- Wide range of materials available.

¹ Depending on the specific application



Made
in
Germany

Technical data

burst element		Stainless steel	Nickel	Inconel*	Monel*	Hastelloy*	Aluminium
Max. allowable temperature**		400 °C	400 °C	600 °C	430 °C	400 °C	120 °C
NPS [in]	DN [mm]						
¼"	6.35	40	27.5	60	50	70	15
½"	15	30	11	21	20	43	6.0
¾"	20	16	9.0	15	10	28	2.6
1"	25	13	8.0	11	7.0	20	2.0
1½"	40	10	4.5	8.0	6.0	15	1.5
2"	50	6.0	3.2	7.5	4.5	10	1.0
2½"	65	6.0	2.5	5.0	3.0	6.6	0.90
3"	80	5.5	2.0	4.3	2.5	6.0	0.70
4"	100	5.0	1.6	3.3	2.0	5.0	0.30
6"	150	3.5	2.2	3.0	2.5	5.0	0.20
8"	200	3.0	1.5	2.5	2.0	4.5	0.10
10"	250	3.0	1.4	2.5	2.0	4.5	0.10
12"	300	2.0	1.4	2.0	2.0	4.0	0.10
14"	350	2.0	1.2	1.5	2.0	4.0	0.10
16"	400	2.0	1.0	1.5	2.0	3.5	0.10
18"	450	2.0	0.90	1.5	2.0	3.5	0.10
20"	500	2.0	0.75	1.5	1.5	3.0	0.10
24"	600	2.0	0.3	3.5	4.0	0.40	0.10

* 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.

** Different temperatures may apply for rupture discs with CE mark.

Standard tolerance ±10% including manufacture tolerance.

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

You can find detailed information and contact details for enquiries relating to bi-directional rupture discs and single layer rupture discs at www.rembe.de. Or just give us a call: T +49 2961 7405-0, info@rembe.de.

You can find appropriate rupture disc holders signalling devices from page 30.