



Safety is for life.™

PRODUCT INFORMATION



THE FATHER 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.

¹Depending on the specific application.

Certification



Works Certificate



PED



KOSHA (South Korea)



CML (China)



TR CU (EEU)

Made in Germany

The rupture disc that started it all.



You can find detailed information and contact details for enquiries relating to Single Layer Rupture Discs at www.rembe.de. Give us a call on: T +49 2961 7405-0 or contact us via email: info@rembe.de.





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Technical data							
burst element		Stainless steel		Nickel		Inconel*	
max. allowable temperature**		400 °C		400 °C		600 °C	
		Burst pressure					
DN	NPS [in]	min. [bar g]	min. [psi g]	min. [bar g]	min. [psi g]	min. [bar g]	min. [psi g]
6.35	¼"	40	581	27.5	399	60	871
15	½"	30	436	11	160	21	305
20	¾"	16	233	9.0	131	15	218
25	1"	13	189	8.0	117	11	160
40	1½"	10	146	4.5	65.3	8.0	117
50	2"	6.0	87.1	3.2	46.5	7.5	109
65	2½"	6.0	87.1	2.5	36.3	5.0	72.6
80	3"	5.5	79.8	2.0	29.1	4.3	62.4
100	4"	5.0	72.6	1.6	23.3	3.3	47.9
150	6"	3.5	50.8	2.2	32.0	3.0	43.6
200	8"	3.0	43.6	1.5	21.8	2.5	36.3
250	10"	3.0	43.6	1.4	20.4	2.5	36.3
300	12"	2.0	29.1	1.4	20.4	2.0	29.1
350	14"	2.0	29.1	1.2	17.5	1.5	21.8
400	16"	2.0	29.1	1.0	14.6	1.5	21.8
450	18"	2.0	29.1	0.9	13.1	1.5	21.8
500	20"	2.0	29.1	0.75	10.9	1.5	21.8
600	24"	2.0	29.1	0.3	4.4	3.5	50.8

Technical data							
burst element		Monel*		Hastelloy*		Aluminium	
max. allowable temperature**		430 °C		400 °C		120 °C	
		Burst pressure					
DN	NPS [in]	min. [bar g]	min. [psi g]	min. [bar g]	min. [psi g]	min. [bar g]	min. [psi g]
6.35	¼"	50	726	70	1016	15	218
15	½"	20	291	43	624	6.0	87.1
20	¾"	10	146	28	407	2.6	37.8
25	1"	7.0	102	20	291	2.0	29.1
40	1½"	6.0	87.1	15	218	1.5	21.8
50	2"	4.5	65.3	10	146	1.0	14.6
65	2½"	3.0	43.6	6.6	95.8	0.9	13.1
80	3"	2.5	36.3	6.0	87.1	0.7	10.2
100	4"	2.0	29.1	5.0	72.6	0.3	4.4
150	6"	2.5	36.3	5.0	72.6	0.2	3.0
200	8"	2.0	29.1	4.5	65.3	0.1	1.5
250	10"	2.0	29.1	4.5	65.3	0.1	1.5
300	12"	2.0	29.1	4.0	58.1	0.1	1.5
350	14"	2.0	29.1	4.0	58.1	0.1	1.5
400	16"	2.0	29.1	3.5	50.8	0.1	1.5
450	18"	2.0	29.1	3.5	50.8	0.1	1.5
500	20"	1.5	21.8	3.0	43.6	0.1	1.5
600	24"	4.0	58.1	0.4	5.9	0.1	1.5

* 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.

Consulting. Engineering. Products. Service.

REMBE® GmbH Safety+Control

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