



Safety is for life.™

PRODUCT INFORMATION



REMBE® graphite rupture discs offer you the familiar REMBE® quality and reliability – even **in extremely corrosive media, low pressures and high temperatures.**

Like all REMBE® rupture discs, the graphite rupture discs are also **manufactured in Germany. The maximum working pressure is 80 %* of the minimum burst pressure.**

REMBE® graphite rupture discs are applicable for highest temperatures by using a unique chemical vapour deposition method (PyC coating). The rupture discs are applicable from -180 °C up to +500 °C under oxidizing and reducing atmosphere, +1,500 °C under inert conditions. Versions with vacuum and back pressure support are also suitable for the above mentioned operating conditions.

Depending on the application and nominal pipe size, the rupture discs are installed directly between flanges. If required, you will also receive a suitable signalling device which, in conjunction with your process control system, will inform you about the rupture disc's response. Nominal pipe size available from DN 15 (0.5") to DN 600 (24") with burst pressures from 20 mbarg (~0.3 psig) to 63 barg (~900 psig).

Your advantages

- Highest temperature resistance (+1,500 °C under inert conditions) and leak-tightness due to an innovative coating.
- FDA conformity**.
- Highest corrosion resistance.
- Extra long service life.
- Temperature-independent material properties and burst pressures.
- Product purity (carbon content $\geq 99.9\%$ for PyC coating).
- Reusable vacuum support.
- Simple installation.

* Depending on the respective application.

** Excluded processes with infant food and breast milk.

The first pure graphite rupture disc with FDA conformity.

CE 0045 Certified in PED

Made in Germany



You can find detailed information and contact details for enquiries relating to GRX® 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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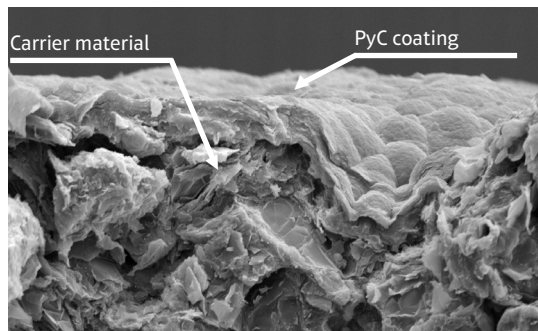
Technical Data

DN	NPS [in]	burst pressure			
		min. [bar g]	max. [bar g]	min. [psi g]	max. [psi g]
15	0,5	1	22	14,5	319
20	0,75	0,8	20	11,6	290
25	1	0,5	18	7,2	261
32	1,25	0,4	16	5,8	232
40	1,5	0,3	14	4,3	203
50	2	0,25	12	3,6	174
65	2,5	0,2	10	2,9	145
80	3	0,18	8	2,6	116
100	4	0,15	6	2,1	87
125	5	0,1	4	1,4	58
150	6	0,05	2	0,7	29

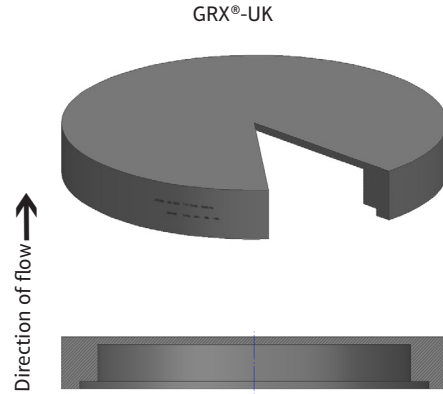
Other nominal pipe sizes and pressure classes are available upon request.



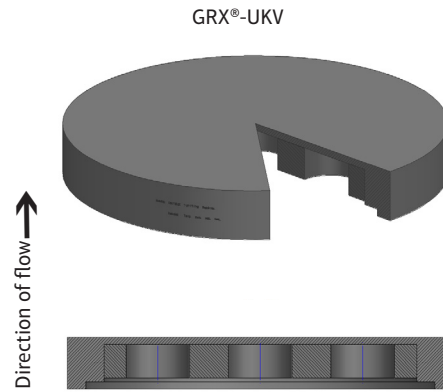
REMBE® graphite rupture disc GRX® with integrated vacuum support.



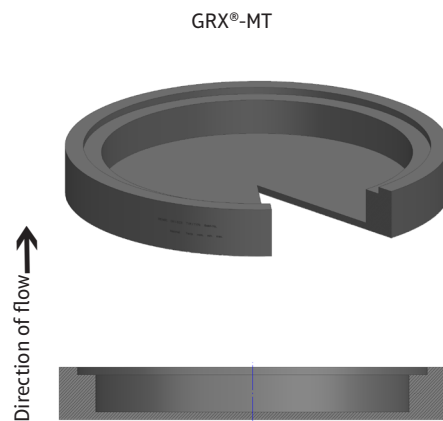
REMBE® graphite rupture disc GRX® with an innovative PyC coating (coating thickness: < 25 µm). No polymeric sealants are used.



GRX®-UK: Graphite rupture disc, inverted design for low and medium pressures.



GRX®-UKV: Graphite rupture disc, inverted version with vacuum support.



GRX®-MT: Graphite rupture disc, mono type for medium and high pressures.

Consulting. Engineering. Products. Service.

REMBE® GmbH Safety+Control

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