



Safety is for life.™

Q-ROHR® G
Flameless venting
for gas applications

Reliable. German.
Safety. ●●●

The Q-Rohr® G enables economical flameless venting without any cost-intensive conversion measures like the creation of wall openings.

Reliable protection against gas explosions

Are you looking for an economical solution to relieve gas explosions without emissions and without complex additional installations such as catch baskets? That is exactly what the Q-Rohr® G can offer you. With a quick installation and its minimal dimensions, it can adequately protect systems, peripherals and the environment from the effects of a gas explosion. Production can be quickly resumed again after an explosion event: Simply replace the explosion vent. However, the Q-Rohr® itself only needs to be refurbished after three explosions.

Mechanism

The flame gases, which can reach a temperature of up to 1,500°C, are cooled down extremely efficiently in the special stainless steel mesh filter inlet developed by REMBE®. This reduces the discharged gas volumes, thus extinguishing the explosion.



Visit rembe.de for detailed information and your personal contact.

REMBE® GmbH Safety+Control

Gallbergweg 21 | 59929 Brilon, Germany | T +49 2961 7405-0
hello@rembe.de

Your advantages

- ✓ **Rapid restart of operations.**
- ✓ REMBE® stainless steel filter ensures a high level of noise reduction during normal operation and in the event of an explosion.
- ✓ **Eliminates the need for complex vent ducts and wall openings.**
- ✓ **100% leak-tightness, to eliminate danger of asphyxiation.**
- ✓ **100% venting efficiency.**
- ✓ **Individually definable opening pressure.**
- ✓ **100 % stainless steel for corrosion resistance.**
- ✓ **Connection flange in accordance with EN 1092-1 standard and DIN 86044.**
- ✓ **No separate safety zones required in outdoor areas.**
- ✓ **No maintenance required,** visual inspection by a technician is sufficient.

Technical data*

Burst pressure P _{stat}	DN 200 – DN 400: 0.1 bar to 0.5 bar at 22°C DN 500 – DN 1400: 0.05 bar to 0.5 bar at 22°C
Max. red. explosion pressure P _{red}	0.1 bar to 1.1 bar
Max. K _G value	≤ 55 bar × m/s -10°C
Operating temperature	-10°C to +550°C

*Our specialists will be pleased to assist you in finding a solution that matches your specific operating conditions.

Certifications

Patents

DE 38 22 012
US 7,905,244

Application in accordance with
EN 14994

Certified in accordance with
EN 14797

Developed in accordance with
EN 16009



ATEX
EU-type examination
certificate no.
IBExU 16 ATEX 2029 X

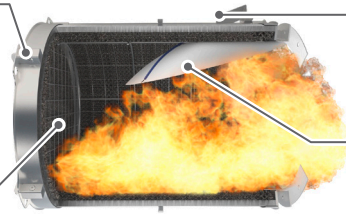
REMBE® Sustainability: Not only do we provide professional safety for your plant and machinery and protect human life, but our products also avoid harmful emissions sustainably eliminate leaks and/or reduce noise pollution. You can find more information on sustainability at rembe-green.de.



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Explosion-proof housing structure with riveted retention rails, which remains stable even during extremely dynamic explosions

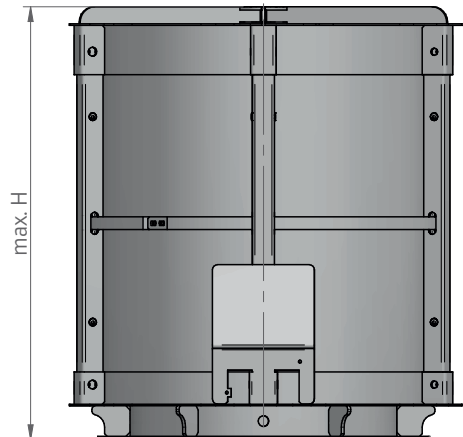
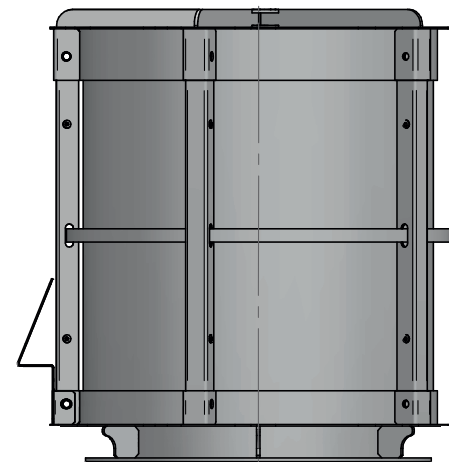
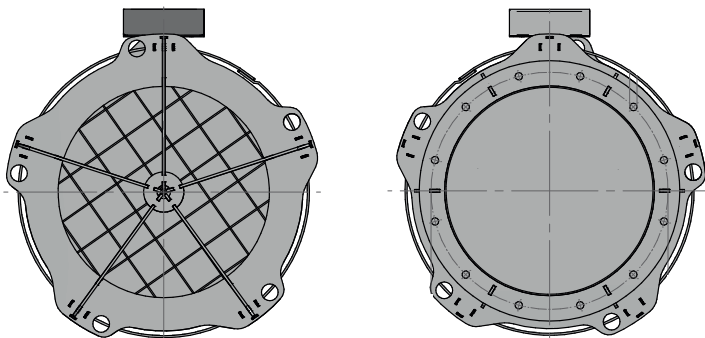
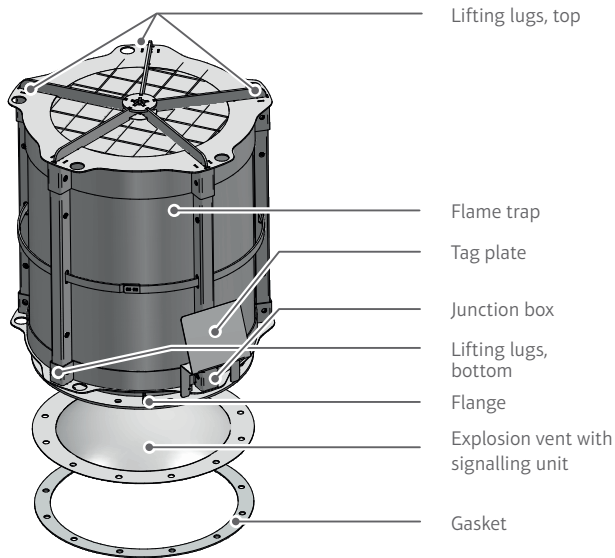
Reusable stainless steel filter with integrated pressure wave absorber



Pre-wired junction box with transformer isolated barrier (intrinsically safe)

Integrated REMBE® explosion vent incl. signalling unit and pre-installed gasket

Q-Rohr® G components.



Technical data

DN [mm]	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400
max. H [mm]	400	600	600	600	900	900	1200	1200	1400	1400	1600	1600	1600
Weight [max. kg] in accordance with EN 1092-1 und DIN 86044	23	40	55	72	117	130	170	200	260	245	340	335	390
Weight [max. kg] angle rings	16	30	37	50	90	105	135	160	195	225	275	310	355

Flange dimensions according to the respective standard.

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