



Safety is for life.™

PRODUCT INFORMATION



MAXIMUM VENTING EFFICIENCY – MINIMUM WEIGHT

Flameless Venting for Elevators

The Q-Ball® E guarantees safe explosion pressure relief in the operating area. Efficient cooling inside the Q-Ball® E prevents the flames from escaping and eliminates pressure effects as a result of the explosion.

The Q-Ball® E is suitable for flameless venting of mechanical conveyors with low design strength such as elevators. Explosions with K_{St} values up to 200 bar × m/s can be handled.

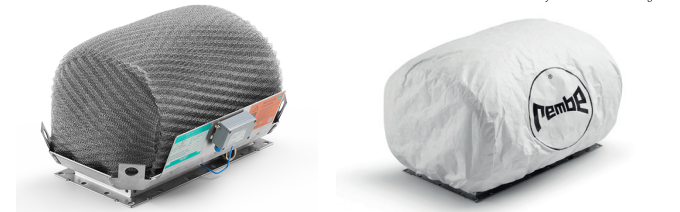
The connecting dimensions of the Q-Ball® E perfectly complement the standard sizes of mechanical conveyors such as elevators. This avoids the need for work-intensive adjustments of the flanges. Due to the low weight of the Q-Ball® E, any reinforcements of the conveyor's shaft also become unnecessary. With the newly developed principle of full body flameless venting, the Q-Ball® E ensures maximum relief efficiency. The necessary relief area can thus be reduced to a minimum.

Your Advantages

- **Maximum venting efficiency** through a full body flameless venting.
- **Easy maintenance** through an integrated inspection opening.
- **Integrated signalling** for a reliable monitoring.
- **Can be utilized flexibly indoors and outdoors.**
- **Easy retrofitting of existing vent panels installations possible.**

Made in Germany

Supported by:
Federal Ministry for Economic Affairs and Energy
on the basis of a decision by the German Bundestag



The sanitary cover protects the Q-Ball® E against dust from outside sources.

Technical Data

K_{St} -Value	≤ 200 bar × m/s
P_{max}	≤ 9 bar
Minimum ignition energy	≥ 3 mJ
Minimum ignition temperature	≥ 380°C
Static response pressure	0.1 bar
Max. red. explosion pressure P_{red}	1.95 bar
Ambient temperature	-40 to +60°C
Process temperature	-30 to +85°C (higher temperatures available on request)

Dimensions and Weight

Diameter nominal [mm]	Height [mm]	Width [mm]	Length [mm]	Weight [kg]
180 × 420	400	400	570	15
205 × 610	480	420	780	20
305 × 610	500	520	780	25



ATEX EC type examination certificate no. DNV 25 ATEX 68991X



Meets the requirements of NFPA 68

Consulting. Engineering. Products. Service.

REMBE® GmbH Safety+Control

Gallbergweg 21 | 59929 Brilon, Germany | T +49 2961 7405-0 | F +49 2961 50714
info@rembe.de | www.rembe.de