



Safety is for life.™

PRODUCT INFORMATION



MAXIMUM VENTING EFFICIENCY - MINIMUM WEIGHT

Dynamic flameless explosion venting for oscillating machines such as vibrating screens

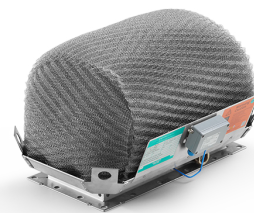
The Q-Ball® S guarantees safe relief of a combustible dust explosion. Efficient cooling inside the Q-Ball® S prevents the flames from escaping and minimizes the effects of the explosion pressure to an insignificant level.

The Q-Ball® S, unlike conventional flameless explosion venting devices, was specifically developed and customized for oscillating and vibrating plant components with additional high dynamic requirements and K_{St} values up to 265 bar*m/s.

A uniquely designed substructure, coupled with a minimal power-to-weight ratio, allows the Q-Ball® S to be attached directly to the oscillating system without costly extensions or conversions. The Q-Ball® S ensures maximum venting efficiency so the required venting area can be reduced to a minimum.

Your advantages

- The only approved **flameless explosion venting for oscillating and vibrating systems** with high dynamic requirements.
- **Maximum venting efficiency** through full body flameless venting.
- **Easy maintenance** through an integrated inspection opening.
- **Integrated signaling** for reliable monitoring.
- **Can be utilized indoors and outdoors.**
- **Simple retrofitting of existing REMBE® explosion vent panels possible.**



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

Technical Data

K_{St} -Value	$\leq 265 \text{ bar} \times \text{m/s}$
P_{max}	$\leq 9.6 \text{ bar}$
Minimum ignition energy	$\geq 19 \text{ mJ}$
Minimum ignition temperature	$\geq 380 \text{ °C}$
Static response pressure	0.1 bar
Max. red. explosion pressure P_{red}	0.59 bar
Ambient Temperature	-40 to +185 °F (-40 to 85 °C)

Dimensions and Weight

Nominal size [mm]	Height in [mm]	Width in [mm]	Length in [mm]	Weight lb [kg]
305 x 610	20.08 [510]	22.83 [580]	28.35 [720]	72.75 [33]
586 x 920	29.53 [750]	31.50 [800]	39.37 [1000]	151.01 [68.5]



Certified in accordance with EN 16009 EN 14797



ATEX
EC type examination
certificate no.
DNV 25 ATEX 63910X



Meets the requirements of NFPA 68

Consulting. Engineering. Products. Service.

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