



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 indoor explosion venting in the operating area. An escape of the flames as well as pressure effects as a result of the explosion are prevented inside the Q-Ball® S by efficient cooling.

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

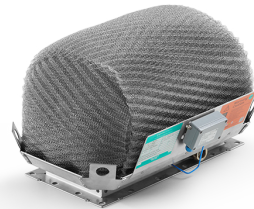
A specially designed substructure and minimal power-to-weight ratio allow the Q-Ball® S to be attached directly to the oscillating system. There are no costs for extensions or conversions with the application of the newly developed spherical quenching factor, the Q-Ball® S ensures maximum venting efficiency. The required venting area can thus 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** due to spherical quenching factor.
- **Easy maintenance** due to integrated inspection opening.
- **Integrated signalling** for reliable monitoring.
- **Can be used flexibly indoors and outdoors.**
- **Simple retrofitting of existing explosion vent 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® S against dust from outside sources.

### Technical Data

$K_{St}$ -Value	≤ 265 bar × m/s
$P_{max}$	≤ 9.6 bar
Minimum ignition energy	≥ 19 mJ
Minimum ignition temperature	≥ 380 °C
Static response pressure	0.1 bar
Max. red. explosion pressure $P_{red}$	0.59 bar
Ambient Temperature	-40 to +85 °C

### Dimensions and Weight

Nominal size [mm]	Height [mm]	Width [mm]	Length [mm]	Weight [kg]
305 x 610	510	580	720	33
586 x 920	750	800	1000	68.5



ATEX  
EC type examination  
certificate no.  
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Meets the requirements of NFPA 68

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