



Safety is for life.™

## PRODUCT INFORMATION



## ISOLATION WITH CHEMICAL BARRIERS

### Applications

The explosion isolation system Q-Bic™ is specifically suitable for large pipes or complex shafts geometrics for example in conveyors or bucket elevators in various industry applications.

### Mechanism

The Q-Bic™ explosion isolation system detects an explosion in its very earliest stages in a protected vessel and extinguishes the explosion flames within milliseconds by discharging the extinguishing powder QXP™ into the pipes to be isolated.

The special nozzle system SJX™ ensures optimum distribution of the extinguishing powder in the pipe. Thus, a safe explosion isolation is provided.

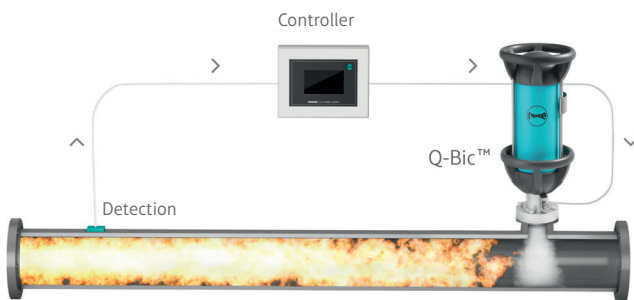


Diagram of a chemical barrier.

### Your advantages

- **Smart actuator without explosives simplifies import.**
- **Effective discharge** of the QXP™ via the spin jet extinguish nozzle SJX™.
- **Blue-green extinguishing powder QXP™ prevents cross contamination after activation.**
- Monitored manometer.
- Easy handling due to integrated transport holder.
- **Most cost-effective way** to isolate large pipes.
- **Flexible use** due to variable mounting distances.
- Suitable for use at ambient **temperatures from -20 °C to +50 °C.**
- **Mounting material comply with hygienic standards in the food industry.**

**Made in Germany**



reddot winner 2020



ATEX  
EU type examination  
certificate no.  
GEX 19 ATEX 1002 X

You can find detailed information and contact details for enquiries relating to Q-Bic™ at [www.rembe.de](http://www.rembe.de).  
Give us a call on: T +49 2961 7405-0 or contact us via email: [hello@rembe.de](mailto:hello@rembe.de)





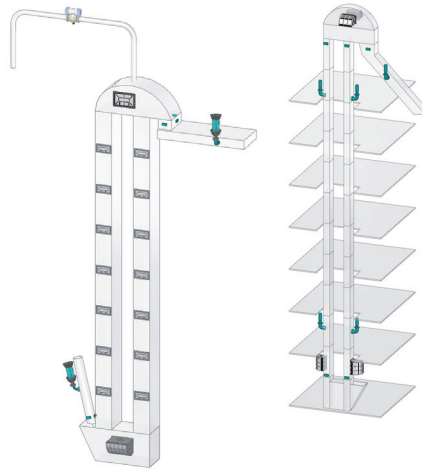
Safety is for life.™

## PRODUCT INFORMATION

### Typical applications

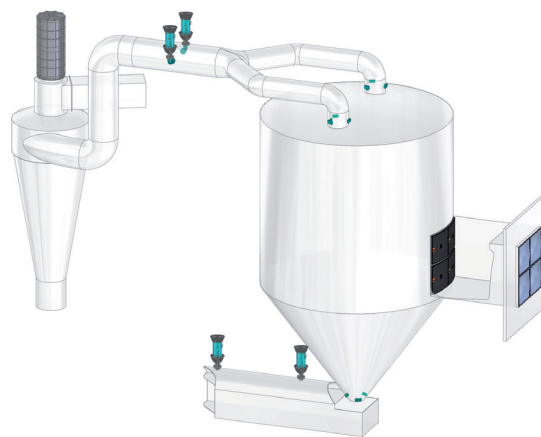
#### Elevators

Elevators convey large amounts of (combustible) bulk materials, and thus pose a high risk for an explosion. The size and mechanical strength of the bucket elevator determine the number and mounting distance for the required extinguishing bottles, depending on the bulk material handled. The explosion isolation of the up/down stream conveyors is usually performed with rotary valves or Q-Bic™ chemical barriers.



#### Spray dryer

Usually, spray dryers are protected with a combination of explosion isolation system and vent panels. If a free and safe pressure relief is not possible, the vent panels are replaced by flameless venting devices. To prevent explosion propagation, the connecting pipes are usually isolated with Q-Bic™ chemical barriers.



#### Sustainability

Not only do we provide professional protection 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 [www.rembe-green.de](http://www.rembe-green.de).

Consulting. Engineering. Products. Service.

REMBE® GmbH Safety+Control

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

Distributed by: Bulk Process Equipment, Inc.

763-444-8333 • info@bpeinc.net

www.bpeinc.net