



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 and extinguishes the explosion flames within milliseconds by introducing the extinguishing powder QXP™. The special nozzle system SJX™ ensures optimum distribution of the extinguishing powder in the pipe. Thus ensured a secured isolation.

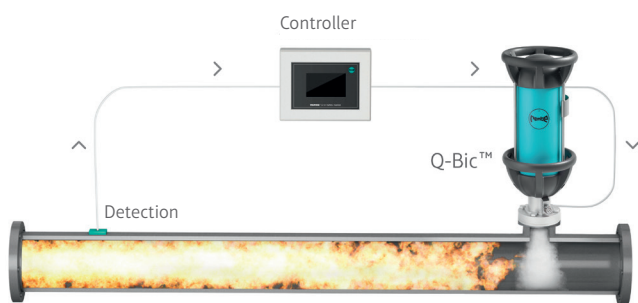


Diagram of a chemical barrier.

Your advantages

- **Smart triggering device without explosives simplifies import.**
- **Effective discharge** of the QXP™ via the spin jet extinguish nozzle SJX™.
- **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 +60 °C.**
- **Hygienic mounting material available.**

■ **Made**
■ **in**
■ **Germany**



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





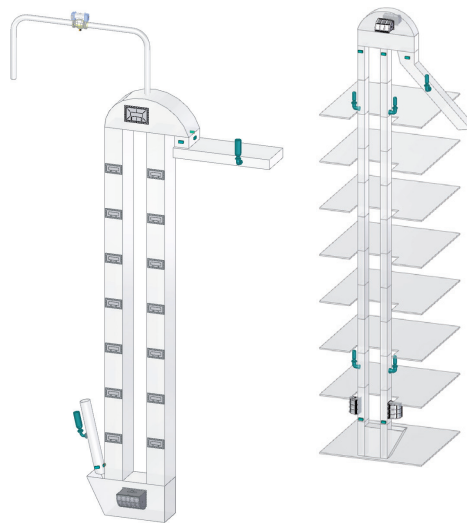
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Typical applications

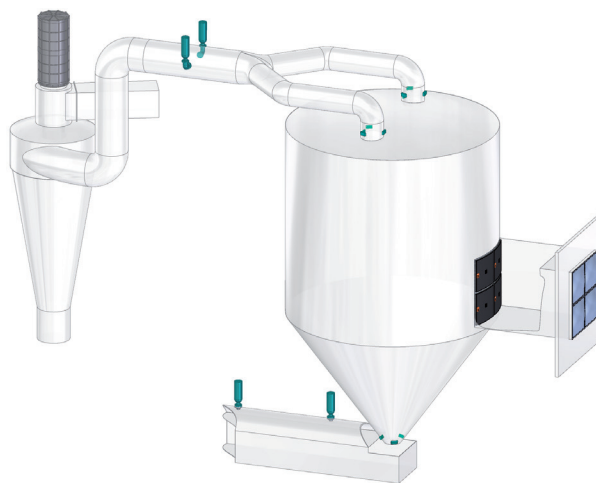
Elevators

Elevators convey large amounts of (combustible) bulk materials, and thus pose a high risk for an explosion. The size and strength of the bucket elevator determine the number and mounting distance for the required protective systems, depending on the bulk material involved. The 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 isolation systems and vent panels. If a free and safe relief is not possible, the vent panels are replaced by a flameless venting device. To prevent explosion propagation, the connecting pipes are usually isolated with Q-Bic™ chemical barriers.



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