

## Explosion Isolation

# FLASH™ CHEMICAL BARRIER

### Applications

Based on the Flash explosion suppression system and operating in a similar manner, Flash chemical barriers are capable of detecting an explosion in an early stage by means of pressure or flame detectors. Suppressant powder is injected at multiple locations forming a barrier preventing flame propagation. Flash chemical barriers are typically used to protect in- and outlets of e.g. bucket elevators, chain conveyors, dryers, filters, mills, etc.

### Robust, easy to mount modular architecture

The Flash chemical barrier is modular in design and consists of three major building blocks.

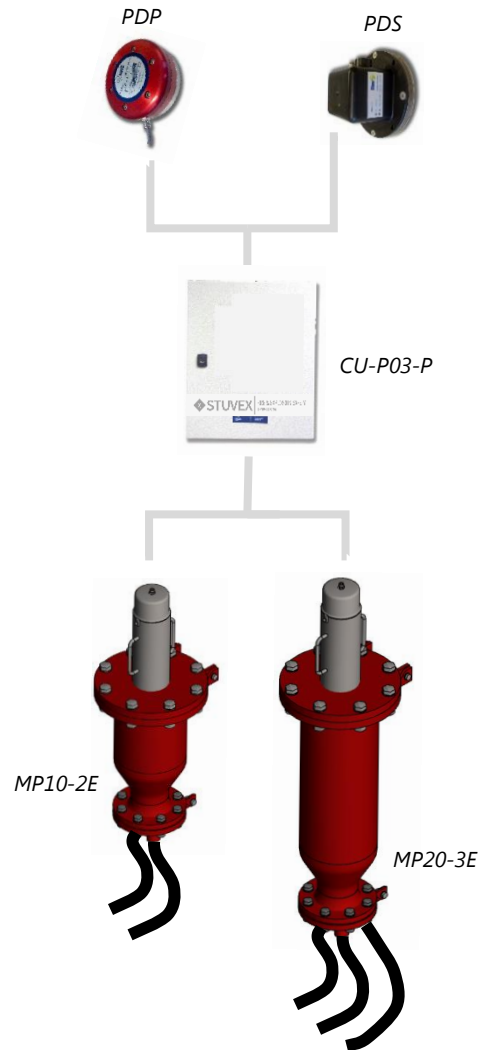
- Explosion detector(s) for the rapid detection of static pressure, dynamic pressure or light intensity (flame) increase
- Control unit directing the operation between detector and suppressor bottle
- Gas generator and suppressor bottle containing suppressant powder kit with single or multiple exit points

### Flash chemical barrier features

- ATEX certified chemical barrier
- Food compliant sodium bicarbonate suppressant powder
- Not subject to PED (Pressure Equipment Directive) requirements
- Up to 4 exits per bottle
- Easy mounting onto existing process equipment
- Easy to operate and maintain
- Robust modular design
- 20+ years of experience in a wide variety of industries and environments

### Maintenance and revision

Contact Stuvex for regular maintenance of your Flash chemical isolation barrier.



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