

**STUVEX**FIRE & EXPLOSION SAFETY  
ENGINEERING

EXPLOSION ISOLATION

# FLASH™ CHEMICAL BARRIER

## Application

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.

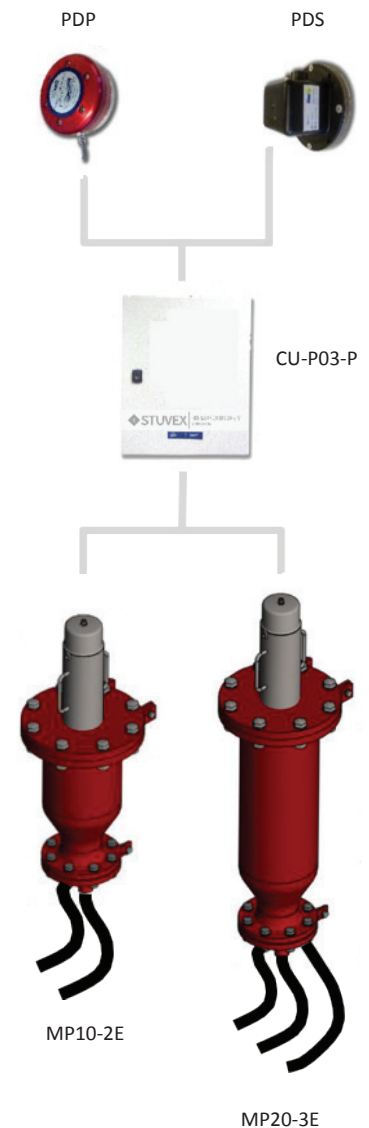
- ◆ Explosion detector(s) for the rapid detection of static pressure, dynamic pressure or light intensity (flame) increase
- ◆ Control unit directing the operation between detector and suppressor bottle
- ◆ Gas generator and suppressor bottle containing suppressant powder kit with single or multiple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