

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. .

