

NEW



CLEAN-GAS SIDE
PRESSURE RELIEF

PROTECTION SYSTEM
ACCORDING TO ATEX

APPROVED
FLAME BARRIER

SMOKE-FREE RELIEF

Herding® FLAMELESS

The clean-gas side, smoke-free explosion pressure relief with proven flame barrier



Explosion pressure relief with pressure and flame (rupture disc)



Explosion pressure relief, flameless with smoke discharge (flameless relief)



Explosion pressure relief, flameless and smoke-free Herding® FLAMELESS

THE PRECONDITION



- » Herding® FLAMESTOP is the proven and certified flame barrier following the standard from ISO 16852
- » This flame barrier characteristic of the Herding® Sinter-Plate Filter is a unique feature in filter technology
- » This feature was proven at full flow of the suddenly expanding gas through the filter elements in more than 200 dust and gas explosion tests
- » Recognition as protection system according to ATEX with EU type examination certificate (module B) and quality assurance in the production (module D)
- » The scope of application is the clean-gas side, flameless explosion pressure relief for organic dusts with proven installation in filter systems of the Herding® FLEX series

THE CLEAN-GAS SIDE FLAMELESS PRESSURE RELIEF

With Herding® FLAMELESS, the raw-gas side explosion is completely relieved through the filter elements to the clean gas side. With the protection system Herding® FLAMESTOP, only the reduced pressure is relieved via the rupture disc installed on the clean gas side. The filter elements and the secured installation sustainably stop the flame.

There will be no flame spreading to the clean gas side and no smoke discharge during the explosion pressure relief. The clean gas concentration of the filtration is not affected during the relief through the filter elements. The effect of the flame barrier remains unaffected by the temperature impact due to the explosion. The protection system according to ATEX is sustainably maintained by periodic inspections.

Herding® is a registered trade mark // VI.1

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