



GEA CERTEX® – ATEX certified explosion vent doors

Robust self-closing explosion vent doors specifically designed for drying systems

GEA's CERTEX® – ATEX Certified explosion vent doors offer robust, re-sealable, flush-fitting and self-insulated features. The self-closing explosion venting doors are specifically designed for agrifood drying systems and can be installed on new build and as retro-fitting to existing systems.

Certified as a protective system under directive 2014/34/EU and compliant with EN14797. CERTEX® explosion vents are robust and therefore not liable to the process thermal cycling and pressure fluctuations that regularly cause standard venting panels to fail.

This results in reliable dryer protection without the burdensome maintenance and replacement needs often found with standard venting panels. If activated the doors do not need replacing, as with standard vents, but can be reset using a relatively simple sacrificial tab.

In addition to the CERTEX® vent doors, GEA can offer an auditing service, which is essential when retro-fitting and upgrading existing installations.

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Features and benefits

- Robust and re-usable design
- Non fragmenting
- Low maintenance
- Compliant with EN14797
- Certified as a protective system under the ATEX directive 2014/34/EU
- Explosion tested
- Insulated door and frame
- Flush with inside of duct or vessel
- Self closing – limiting effects of fire after an explosion
- Reliable protection for industrial drying equipment

Technical data

Available sizes	920mm x 920mm & 400mm x 400mm
Materials of Construction	Food grade materials: 304 stainless steel, silicone rubber seals
Opening pressure	<100mBar
Operating pressure	200 mBar vacuum to 20 mBar pressure
Operating temperature range	-40 °C up to 200 °C
Dust Kst range	50 to 200 Bar m/s
Dust Pmax range	Up to 10 Bar
Maximum reduced explosion pressure Predmax	1.5 Bar



A test explosion underway

GEA Denmark

GEA Process Engineering A/S

Gladsaxevej 305

DK – 2860 Soeborg

Tel +45 3954 5454

Fax +45 3954 5800

gea.com/contact

gea.com/drying