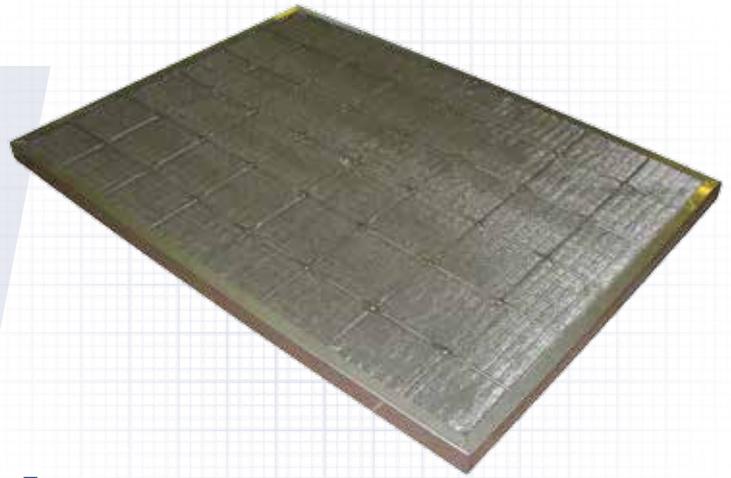


ETL Flashback Guards and Spark Arresting Panels

A conventional flame arrester is not usually a cost-effective way of protecting air intakes or fuel/air intakes on larger burners and oxidizers from the risk of flashback into flammable atmospheres.

Flashback guards are normally used for these duties. Spark arresting panels behave as filters to remove incandescent particles from the process gas stream.



Principle of operation

A knitted mesh panel placed in an air stream allows a continuous flow of air, with a much lower pressure drop than that afforded by a flame arrester, but restricts the passage of particles (including sparks), from one part of a plant, system or process into another.

Benefits

Fitting a flashback guard or spark arresting panel provides an extra layer of protection to plant personnel working on or near to equipment which releases incandescent particles such as burners and oxidisers.

The panels also offer a physical barrier which can prevent unwanted items such as rubbish, dropped tools, or animals and birds from entering the protected equipment.

The guards are manufactured from stainless steel and custom-designed in modular or single-piece units for each individual application, allowing for ease of installation and retro-fitting.

Features

Corrosion resistant stainless steel materials

Single piece or modular designs

Standard circular or rectangular designs

Alternative geometries/arrangements on request

Sizes to order, available in 1mm increments

Frames and mounting tailored to customer requirements

Panels use KnitMesh Technologies® knitted wire mesh

Simple method of reducing hot particle emissions

Very low air-flow resistance

Elmac expertise

Elmac have been manufacturing protection equipment since 1948, and bring enhanced levels of flame and explosion protection to a diverse range of applications.

Elmac offers considerable technical leadership and using test facilities along with CFD capabilities, employs research teams renowned for developing solutions for the most challenging of industrial applications.

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All specifications are correct at time of print, are for guidance purposes only and subject to change without prior notice.

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