



DATASHEET

IN LINE range of deflagration flame arresters



APPLICATION

These units are specially designed for installation in pipeline applications with close proximity to the possible source of ignition, thereby confining the flame to the immediate area. Wherever a flammable gas or vapour is transported a flame arrester should be fitted to prevent the transmission of ignited flames which could cause a major incident, whilst allowing the process gas to flow under normal conditions.

PRINCIPLE OF OPERATION

The 'in-line' model flame arrester is normally fitted within 50 x pipe diameter of the possible source of ignition (dependant upon gas application) which allows the arrester to quench the flame at sub-sonic flame speed. All ignited gases have a defined gap through which the flame would not pass; this is called the maximum experimental safe gap. To quench a flame the height of the cells in the element are below the MESG of the gas/vapour therefore stopping onward passage.

BENEFITS

- Suitable for pipe sizes up to 30"
- Available for application in gas groups IIA and IIB3
- Compliant with the European ATEX directive
- Removable / Replaceable element for easy maintenance

APPLICATION CONSIDERATIONS

- Flare stacks
- Flammable liquid storage tank vents
- Chemical and Petrochemical process plant
- Sewage digester plants

PRODUCT SUPPORT

We aim to provide a rapid response to both technical and commercial enquiries. We are committed to offer competitive pricing and short production lead times and pride ourselves on delivery reliability.

Motherwell Tank Protection

St Michaels Road
Lea Green Ind Est
St Helens
Merseyside

England WA9 4WZ

Tel : + 44 1744 815211

Fax : +44 1744 814497

sales@motherwelltankprotection.co.uk

www.motherwelltankprotection.co.uk



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