

MOTT SINTERED FLAME ARRESTORS



Mott sintered flame arrestors protect people and equipment by preventing a flame from entering or leaving equipment. These customized flame arrestors allow precise gas flow control while providing mechanically sound media to quench the flame front.

DESCRIPTION

Flame Arrestors are safety devices that allow flow of combustible gases while preventing ignition. The Flame Arrestor prevents the flame from transferring to a different area of a device by cooling or quenching a flame front or by dampening a combustion wave. It is designed to absorb and dissipate the heat of a flame for specific operating and flow conditions. Integrating Mott's sintered media provides high strength and durability allowing these critical devices to perform precisely.

APPLICATIONS

Process and Analytical Gas Applications:

- Venting for Explosion Proof Enclosures
- Pressure Equalization for Combustible Gas Pressure Regulators
- Handling of Combustible Sample Gas for Analyzers and Monitors
- Flashback Prevention for Welding Torches
- Ignition Prevention in Gas Stacks and Storage Tank Vents
- Inhibit Spread of Fire or Explosions in Ductwork and Process Piping
- Backfire Flame Arrestor for Marine Engines and Motors
- Oxygen Service – Special Processing Available



ATEX DIRECTIVE

For devices destined to European markets, Mott offers a Declaration of Conformity Appendix B1 to the European Community's ATEX DIRECTIVE 94/9/EC. This must be specified at time of order placement.

AGENCIES AND SPECS

International Standards:	ISO Specifications:
UL - Underwriters Laboratories	ISO 2738 - Wet Density
FM - Factory Mutual	ISO 4003 - Max Pore Size / Bubble Point
CSA - Canadian Standards Association	ISO 4022 - Permeability

