porvair filtration group

Flame Arrestors

For Process and Analytical Instrument Applications

A wide range of flame arrestors are manufactured from sintered metal powder and porous plastics.

Used in many process and analytical instrument applications as safety devices for handling combustible gases for gas analysers.

The high thermal conductivity of these flame arrestor cools the flame front or combustion wave by absorbing and dissipating the heat of the flame.

Sintered Metal Flame Arrestors

Comply with the ATEX Directive and the associated International Standards Organisation (ISO) testing guidelines:

- ISO 4003 Æ Determination of Bubble Point Pore Size in Porous Sintered Metal
- ISO 4022 Æ Determination of Permeability
- ISO 2738 Æ Determination of Density in Porous Materials

Typical Applications

- Flame arresting
- Ignition prevention in flue gas stacks
- Explosion proof enclosure venting
- Flashback prevention for welding torches
- Battery vents
- Sensor protection

Features and Benefits

- Excellent flame-arresting properties due to tortuous path within the sintered porous materials
- For sound systems such as loudspeakers, the stainless steel mesh has excellent flame-arresting properties, but with reduced sound attenuation
- Robust and easy to assemble
- Our products undergo SPC inspection and conform to all the leading test authorities such as EECS, UL, FM, CAS and BASEEFA

Ordering Information

For ordering information please contact a member of the sales team.