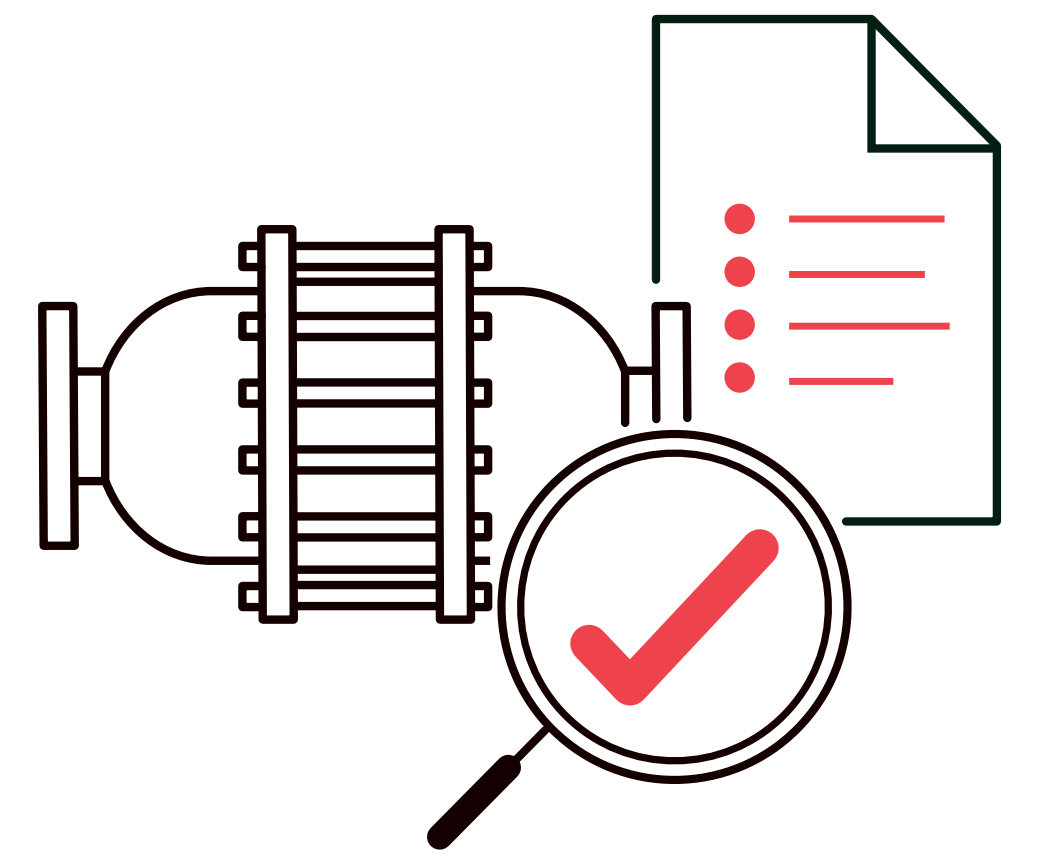


A Guide to Flame Arresters

Safety Without Compromise...



What is a Flame Arrester?

A flame arrester is a safety device designed to prevent fire or explosions by extinguishing or suppressing flames as they pass through a pipe or vessel.

How Do They Work?

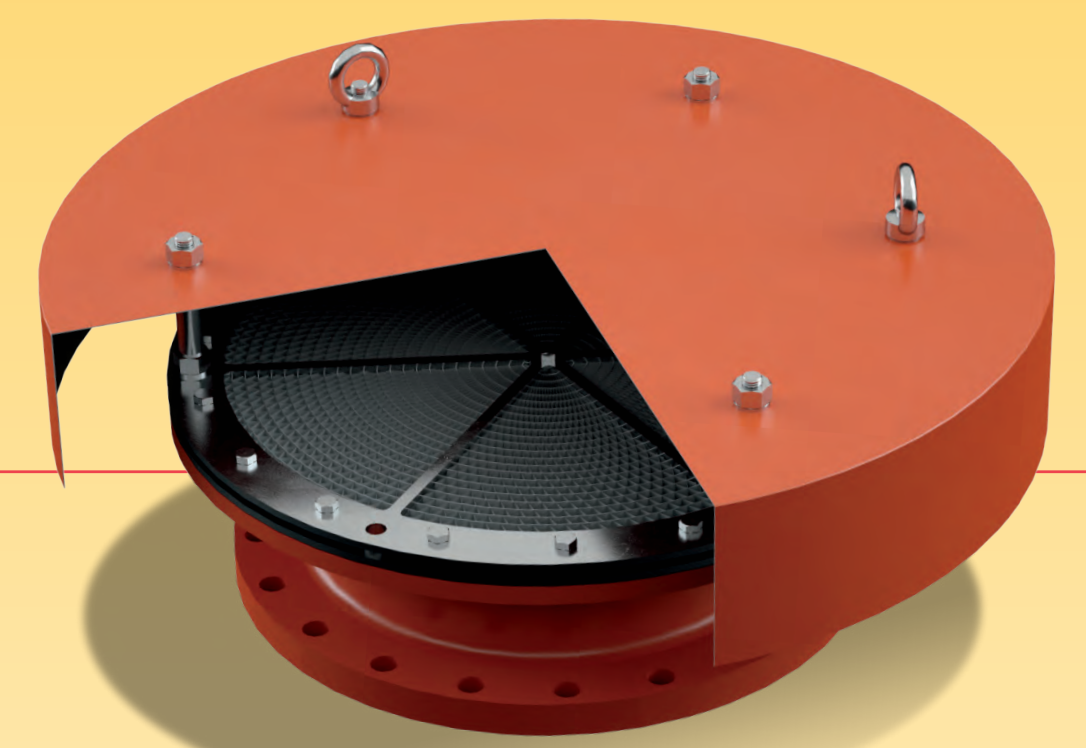
Flame arresters work by interrupting and quenching flames that attempt to propagate through piping or vessels containing flammable gases, vapors, or dust.

Types of Flame Arresters

Protectoseal offers three primary categories of flame arresters.

End-of-Line Deflagration Flame Arresters

These flame arresters are intended to be installed at the end of a pipeline or on a vessel's exit vent. They offer protection against atmospheric deflagrations when the ignition source is external.



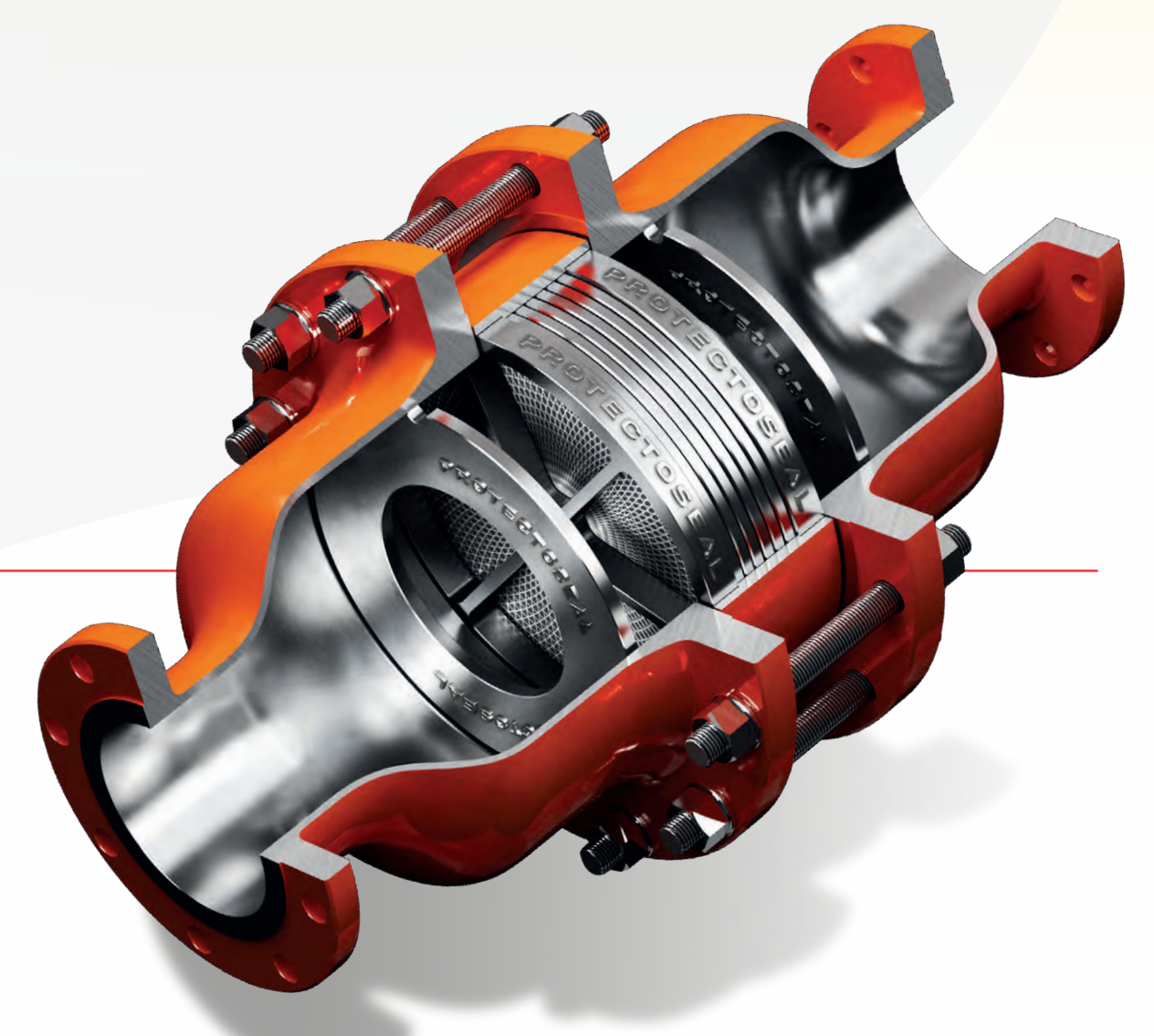
In-Line Deflagration Flame Arresters

These flame arresters are intended to prevent flame propagation in piping systems. By placing the flame arrester near the potential source of ignition, any flame or explosion is contained to the immediate area.



In-Line Detonation Flame Arresters

These flame arresters are intended to prevent the spread of gas or vapor explosions in pipelines during the most severe conditions of unstable detonation.



Business contact details:

 info@protectoseal.com
 1.630.595.0800
 www.protectoseal.com

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