

Guide Specification

Ph: (800) 267-5585

WWW.QAMANAGE.COM

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Spark Arrestor

The spark arrestor shall be a static device, with no moving parts and electrical controls. The fixed overlapping curved blade assembly is designed to agitate the gas flow in a dust collection ducted system producing turbulent flow which strips oxygen away from and cools a spark or ember to within 50°F of the temperature in the process gas stream. It shall be constructed of hot rolled steel according to SMACNA "round industrial duct construction standards" or better.

The spark arrestor shall be an in-line device, requiring no dropout or collection recipient, inserted into the ducted system, attached by flanges (or slip connections).

The spark arrestor must be designed specifically as a spark arrestor, not just a converted air mixing or air blending device, and, be equipped with an automatic electro-pneumatically operated integral booster-cleaner.

The spark arrestor shall condition the process gas stream without relying on injection of water, chemicals, or other retardants.

The spark arrestor must be rate for _____ ACFM (actual cubic feet per minute) at an air stream temperature of _____ degrees F, for a _____ inch(OD) duct connection, and a minimum pressure drop of 0.75 inches WC.

Acceptable product: **QUENCHER**[™] by Quality Air Management, T; 1-800-267-5585, W; www.qamanage.com.