

SPARK ARRESTOR FAQ

Spark arrestors (also called spark traps) are a critical part of fire prevention in a dust collection system. They help block sparks before they can start a fire. We hope to answer some of your most frequently asked questions about our spark arrestors here. You can also watch the video below. If you need more information, please feel free to contact us.

1) How does a spark arrestor work?

Our spark arrestors have impingement plates that cause turbulence and direct sparks and embers toward the walls of the spark arrestor, which knocks them around and causes them to lose heat.

2) Why do I need a spark arrestor?

If there's a danger that a spark could travel through your ductwork and ignite combustible dust or other materials, a spark arrestor may be an important part of your fire prevention system. If you need to know whether a spark arrestor will work for your application, contact us and we'll help you find out.

3) What size spark arrestor do I need?

This depends on the size of your ductwork. We manufacture to fit almost all diameters. Our standard sizes are 6 inches to 40 inches but larger ones are available.

4) How do I connect the spark arrestor to my ductwork?

To make it easy to install your spark arrestor, you can choose from three end types. We manufacture them with a raw end, a flanged end, and a quick connect end for clamping. Larger models can be heavy and may need hangers or other support.

5) Where in the ductwork does a spark arrestor go?

A spark arrestor can be installed vertically or horizontally. For proper functioning of the spark arrestor, the length of duct between the spark source and the spark arrestor should be at least one duct diameter, and between the spark arrestor and the dust collector should be at least ten times the duct diameter. A shorter distance will prevent the spark arrestor from working correctly and is not recommended. If you have a question about the length of ductwork, we suggest that you contact us for assistance.

6) What kind of maintenance does a spark arrestor need?

Our spark arrestors come with a drop-down cleanout door that removes easily. This allows you to clean out debris and dust. There are no moving parts that need to be maintained.

7) Can the spark arrestor be used for high temperature applications?

If the temperature of air going through the spark arrestor will be higher than 200 degrees F, please contact us with details. There are options for higher temperature applications.

8) Does a spark arrestor work for every application?

There are some applications where a spark arrestor will not be able to function properly. They do not usually work well for applications with wood chips or sawdust, or applications with sticky or fibrous material. We can help you determine whether a spark arrestor will work in your system.

9) Is your spark arrestor guaranteed to stop all sparks?

No spark arrestor is guaranteed to stop all sparks. Our design is as effective as a spark arrestor can be. A spark arrestor is an important part of a fire prevention system, but it should not be the only part. Our model meets all NFPA standards. We will take the time to help you decide what equipment will best meet your needs.