



Fire Suppression For Your Paint Booth Frequently Asked Questions

The safest decision you'll ever make.

What are some causes of fires in a paint booth? In a conventional system, leading causes of fire include using spark-producing equipment (cutting, welding or grinding), friction (overheated bearings on the exhaust fan), arcing electrical equipment; spontaneous combustion; and discharge of static electricity.

In electrostatic spray operations, the leading causes of fire include ungrounded or improperly grounded objects, failure to fully discharge equipment before cleaning, pinhole leaks in the paint tubing, smoking, cutting and welding.

What is a fire suppression system? Fire suppression systems are used to extinguish or prevent the spread of fire in a building or paint booths. We recommend installing a dry chemical fire suppression system in your booth to prevent the spread of fire should one happen in your booth.

How does the fire suppression work should there be a fire? The fire suppression system offers an automatic detection and actuation system that provides 24-hour protection. Should a fire break out in the spray booth, the dry chemical (just like the fire extinguishers in your home) are activated and will spray out through the nozzles in your paint booth and duct work. This will extinguish your fire, without it spreading and destroying your entire building.

Why a fire suppression system? NFPA 33, from The National Fire Protection Association, is intended for fire control for large-scale, indoor spray paint applications such as industrial spray paint booths. NFPA 33 is designed to specifically address fire safety. Additional codes are required to meet workers' health and safety guidelines and environmental regulation. Manufacturers who use a non-flammable coating are not required to abide by the standard.

There are some areas around the country that will require you to install some form of fire suppression in your spray booth in order to meet **local and/or federal regulations**. It is really important that you check with your local authorities to see if you will need fire suppression.

Who makes the fire suppression system? We have a partnership with Amerex to offer our customers a quality and safe system for our customers. Amerex Corporation is based in the USA and have been providing fire-fighting products since 1971. They are a worldwide leader of hand portable and wheeled fire extinguishers. The extinguishers in your home probably have the Amerex sticker on the front of them.

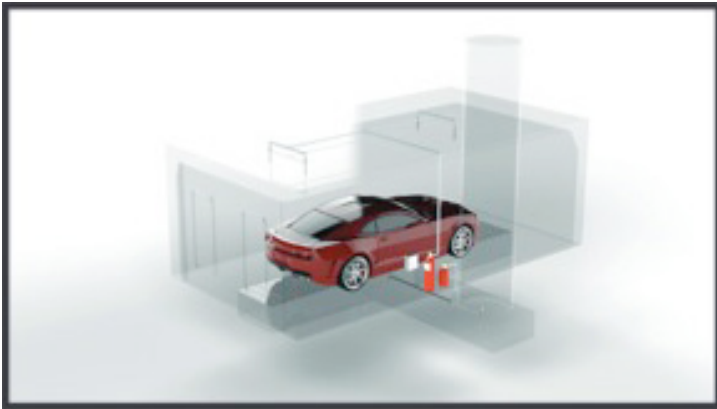
The Amerex Industrial System offers a three-way nozzle, total flood perimeter nozzle, UL listing with a nozzle height up to 23'4", and an option of placing nozzles in the center of a paint spray booth.

The Amerex Industrial Fire Suppression Systems are inherently more effective and use fewer nozzles. The Amerex industrial fire suppression systems meet all industry safety standards.

This should be done when you're ordering your booth.

This price includes the system being installed on site by local licensed installers after the booth is erected.

The system comes with the necessary cylinders, control heads, nozzles, fusible links/detectors, pulleys/tees, wire rope and alarm bells based on the size booth purchased. The price for the system is based on the exhaust stack going straight up through the roof. Price may vary if the booth or stack is modified and if there are obstructions noted by the installer.



Vehicle Paint Spray Booth (VPSB): Amerex IS Fire Suppression Systems have the best VPSB coverages on the market. The system protects a closed structure used for spray painting vehicles. There are numerous paint spray booths designs which can be protected with an Amerex IS Fire Suppression System. Amerex has the most efficient and economical fire protection available for VPSBs. A single Total Flood Perimeter (TFP) nozzle protects up to 2,720 ft³, larger than any other manufacturer. Amerex also offers a variety of nozzle

configurations - whether you are using TFP protection or standard protection.

Open Front Paint Spray Booth (OFPSB): The OFPSB consists of a work area separated by a filter bank and an exhaust duct. The Amerex IS Fire Suppression System coverage is a first in the industry offering protection for an OFPSB with a height of up to 18' 6" - far exceeding the capabilities of other manufacturers.

How is the system installed? Amerex has a nationwide network of professional installers who will safely and correctly install your fire suppression system. They have all been trained, on premise of the manufacturer, to install the system to provide complete coverage. When you are given a quote for fire suppression, you will be quoted for the system and then for the install and labor.



It is important to order your fire suppression system with your booth so that you can get scheduled with a local installer in a timely manner after your booth arrives. A local installer may decline to accept a job if there are safety concerns or unusually circumstances.

California, New York, Nevada, Texas, Alaska, and Hawaii seem to present problems with installation. For these states, we would be happy to reach out to the local installer before providing a quote. If we don't feel that we can provide a customer with the best fire suppression system and installation, we will recommend that they contract this system locally.

If you are looking for a Powder Coating Booth suppression system, Amerex does not have a proper system. We can go through another source to quote your system, just give us a call to get more information.

You need to have your fire suppression system installed within a year of purchase or the labor portion of your order is non-refundable. We are happy to provide all of our terms and conditions when we put together your quote.

How is fire suppression priced? Pricing is quoted based on the booth size, style and exhaust duct layout. It's important we know how you will be ducting the exhaust and any special circumstances that will affect your install. The more turns you have in your duct, the more nozzles you will need, for example.

There may be additional costs incurred in the fire suppression install if additional parts are needed or special circumstances for your location. Pricing for permitting also varies based on the area of the country and the local pricing for obtaining those permits. The installer will also handle all permitting, but the customer is responsible for the permit fees. The local installer will communicate with you about the needs and costs.

What does the system include? We try to include everything you will need for a fire suppression system. Our quoted systems include:

- Cylinders
- Control Heads
- Nozzles
- Fusible links/Detectors
- Pulleys/tees
- Wire Rope
- Alarm
- Installation of the Fire Suppression System
- Some Permits and Testing

*** The installed price does not include electrical and may require additional piping, nozzle and fittings, depending on-site construction. These additional costs are the responsibility of the customer and will be paid directly to the installer on location. Electrical or alarm connections to the system for shut down and alarm purposes, which must be completed by a licensed electrician or alarm company. These costs are not set by, nor are the responsibility of Standard Tools and Equipment Co. Additional permitting or testing needed by local authorities will also be the responsibility of the customer.*

