



Fire Suppression Systems



Vehicle Fire Suppression Systems:

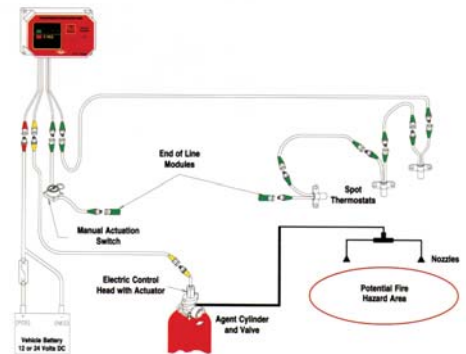
Fire destroys billions of dollars of industrial equipment every year. It causes manpower losses, decreased property value, and, in many cases, human lives. Yet, companies fail to properly protect their workers and industrial equipment from its damaging effects. That's why there is Amerex.

Amerex is one of the nation's leading manufacturers of fire fighting equipment with more engineering, manufacturing and quality control experience than anyone else in the industry. We can protect your equipment from fire with a suppression system designed specifically for you.

Amerex Vehicle Fire Suppression Systems may make it easier to obtain insurance and also help you qualify for lower premiums. As the costs of heavy duty vehicles rise, insurance rates escalate accordingly. Many insurance companies have recognized a reduction in claims paid out due to the presence of a fixed vehicle fire suppression system. The Amerex Fire Suppression System will lower your fire risk, which can lower your insurance premiums. The key phrase is "material change of risk." Ask your insurance agent.

AMGADS III:

(Amerex Mobile Gas Detection System - 3rd Generation) gas monitoring system is a pre-engineered system designed to be utilized on any type of alternately fueled vehicle. The system can be installed by the vehicle OEM or retrofitted. Its advanced technology can detect: Compressed Natural Gas (CNG), Liquefied Natural Gas (LNG), Propane (LPG), Hydrogen and any other hydrocarbon fuel vapors.



SMALL BUS SYSTEM:

Amerex has once again revolutionized the industry with the development of a cost efficient fire suppression system specifically designed for small - front engine transit vehicles. The Amerex Small Vehicle System (SMVS) is designed specifically for use with front engine vehicles such as Para-Transit, Airport Shuttle and other small front engine applications. The SMVS kit includes all hardware components required for a complete turn-key Automatic Fire Suppression System. The electronics portion of the system is made up of a Vehicle Operator Display with Manual Release Push Button, a wiring Interface Module, and two Solid State Heat Detectors. The system is continuously supervised for proper operation. If a trouble condition is present, the Operator Display indicates a diagnostic Service System LED. In the event of a Fire condition, Automatic Fire System actuation occurs, an audible alarm sounds, a Fire LED illuminates and an internal relay is energized. The Control Panel features visual LED system status indicators, a silence-able audible alarm. Backup power is supplied by a standard 9 volt alkaline battery. The Fire Suppression System is FM approved. The electronics also carry CE Type approval.

SYSTEM COMPONENTS:



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KP RESTAURANT SYSTEM:

The Amerex KP Restaurant System is a pre-engineered, wet chemical, stored-pressure type with a fixed nozzle agent distribution network. The system is listed by Underwriter's Laboratories, Inc., ULC and tested to U.L. Standard 300. The system shall be designed, installed and maintained in accordance with: Amerex Part No. 20150 "Design, Installation and Maintenance Manual", N.F.P.A. 96, N.F.P.A. 17A, local codes and ordinances by an Authorized Amerex KP Systems Distributor using factory trained personnel.



AGENT:

The system agent is Amerex KP liquid fire suppressant, a potassium acetate based solution that suppresses cooking grease fires both through saponification and cooling. The agent has a pH of 9 or less and does not harm stainless steel surfaces.

AGENT CYLINDER :

The agent cylinders are mild steel DOT 4BW 240 specification cylinders, tested to 480 PSI (3309 kPa). The agent cylinder/discharge valve assembly is fully factory charged with Amerex KP liquid agent and pressurized to 240 PSI (1655 kPa).

MRM DETECTION:

The detection network uses a continuous cable run with detectors specifically listed for use with the Amerex KP System.

MECHANICAL RELEASE MODULE (MRM):

The mechanical release module is the spring-loaded type using a mechanical input and electrical, mechanical or pneumatic outputs. It is capable of actuating from one to ten agent cylinder/valve assemblies using one nitrogen cylinder and is operated either automatically by the detection network or manually by a remote manual pull station.

MRM LINEAR FUSIBLE LINK DETECTION:

The link to link system consists of four major components - conduit connector, cable segment beginning and end, conduit box, and link to link cable segment. The link to link cable segment ensures that the links are equally spaced at 24" center to center and yields continuous linear detection from end to end of the hood.

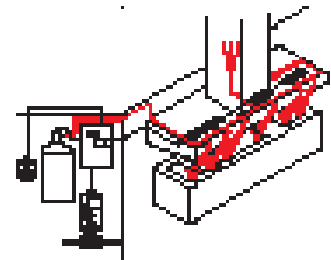
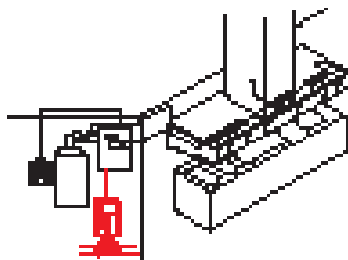
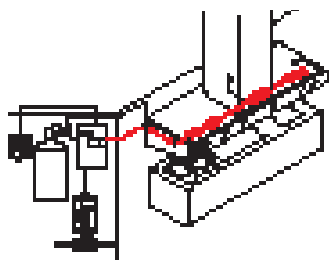
PNEUMATIC RELEASE MODULE (PRM):

The PRM offers superior detection by using a linear pneumatic detection system. The PRM detection system consists of the PRM, tubing and end of line fitting. The tubing is pressurized through a small "accumulator" inside the enclosure, routed throughout the hazard area. When exposed to a fire condition, the tubing ruptures, relieving all of the pressure in the tubing and accumulator thus firing the system using a nitrogen cylinder. The PRM comes complete with enclosure, accumulator, end of line fitting, connector for mechanical manual pull, two SPDT microswitches, and "knock-outs". It is capable of actuating up to 10 cylinders and releasing 2 gas valves. Available in stainless or red enclosure.

ZONE DEFENSE RESTAURANT SYSTEM:

The Zone Defense Restaurant Fire Suppression System is a pre-engineered, wet chemical, stored-pressure type with a fixed nozzle agent distribution network manufactured by Amerex Corporation. The system is listed by Underwriter's Laboratories, Inc., ULC and tested to UL Standard 300. The system shall be designed, installed and maintained in accordance with: Amerex Part No. 20150 "Design, Installation and Maintenance Manual", N.F.P.A. 96, N.F.P.A. 17A, local codes and ordinances by an Authorized Amerex Zone Defense Systems Distributor using factory trained personnel. The Zone Defense system is fully self-contained and does not require electrical power or connection to either domestic water supply or fire sprinkler supply lines.

1. When a fire starts, either detection network will automatically detect the fire or the manual pull station can be used, releasing a low pH agent throughout the hood, duct and onto the appliances.
2. Either method of actuation will interrupt gas or electrical power to the appliances preceding system discharge.
3. The Amerex KP agent quickly extinguishes the fire and cools the fuel while securing the vapors with a smothering foam reaction.



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AUTOMATIC INDUSTRIAL DRY CHEMICAL SYSTEM:

Our innovative fire extinguisher and automatic system designs have prevented damage and loss that would have been caused by the ravages of fire. Costs associated with lost production time, equipment replacement and "business interruption" are a concern for any industry. In keeping with the Amerex tradition of concern for the customer, the

Amerex "IS" has been designed to offer the best fire protection available and we do it with less. Less equipment means less time to install, less time to service and fewer nozzles to locate (and get in your way). All of this could translate into lower initial cost and lower maintenance cost over the life of the system.

The Amerex "IS" system uses our exclusive ABC (Model 555) dry chemical. ABC dry chemical suppresses more fire, by volume, than any other agent. ABC dry chemical has quick flame "knock-down" and can help to secure Class A fires against re-ignition. Since many hazards involve a variety of fuel sources, our ABC dry chemical, with protection against Class A (wood, paper, pulp), Class B (flammable liquids) and Class C (live electrical equipment) is the agent that is best suited for most industrial hazards.



Vehicle Paint Spray Booth v Total Flood v Open Front Paint Spray Booth v Local Application



DETECTION:

The Amerex "IS" industrial system incorporates an automatic detection system that will operate in case of a fire anytime, 24/7, even if no one is present. As with the rest of the "IS" system design and philosophy, the automatic fire detection system uses fewer components which saves on installation and maintenance costs.



Pneumatic Tubing



Electric Thermal Detectors



Thermal Bulb Detectors



Fusible Link Detectors



PRE-ENGINEERED CLEAN AGENT SYSTEM:

Utilizing an industry recognized fire suppression agent, Amerex has developed an affordable pre-engineered clean agent fire suppression system to protect areas with sensitive electrical equipment and valuable data. As an industry leader in innovative design of products that provide the quality and performance you expect, Amerex has developed the CPS system to be the most cost efficient clean

agent system available. The modular design incorporates pre-assembled wiring harnesses and keyed locking connectors on all electrical components to assist you in a simple and confident installation. Agent tanks are available in two sizes having a diameter of ten inches making tank location in confined spaces easier. Tanks are charged with FM-200 in increments of two pounds in a small tank or three pounds in a larger tank for a custom installation without unnecessary expense. Electrical actuators are used for system actuation and can be reset, reducing the number of components to be replaced during service after discharge. The CPS system is designed to use schedule 40 pipe, giving you easy access to the materials you need to complete the installation. Nozzles are available in three designs; corner, side wall, and center room for flexibility in system installation to protect those "challenging" areas. The Amerex CPS is monitored by an electrical control panel that has a battery back-up for 24 hour protection during power failure. Photoelectric smoke detectors are used for detection and are cross zoned to reduce the potential for unwanted system discharge. A bell and horn/strobe device alarm when fire conditions are present. All electrical circuits are supervised and factory terminated.



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