

# Firetrace Application Briefs

AB002

## AFFF - 3rd Layer of Protection

A distributor in the Southeast has proposed the use of a 2 ½ gallon Indirect Low-Pressure Firetrace system utilizing AFFF as a third layer of protection for molding machines where hydraulic fluid reservoirs present the fire hazard. The systems will also employ pressure switches for notification, and manual releases will also be installed. The business owner's insurance company has required the additional protection—in addition to the existing systems: dry chemical, sprinkler, and now, Firetrace AFFF.

## Grinding Machines

A company in the Northeast had a fire inside a grinding machine critical to their production process. Oil used for cooling the grinding process was ignited by hot metal inside a small enclosure on the machine. The fire caused production delays. As a result, a Firetrace distributor installed a 3 lb. Direct Low-Pressure system on the machine utilizing FM-200®. The Firetrace tubing was installed directly above the risk area inside the enclosure. A pressure switch was connected to machine's power shutdown for immediate power shutoff. Firetrace was selected based on the compact system size compared to traditional systems, the ease of installation and the rapid detection and suppression capability.

## Telecommunications Room Applications

A distributor in the Midwest introduced the Firetrace technology to a worldwide producer of beer. This company has used the CeaseFire product in the past for small telecommunications room applications. Because of the flexibility in installation (leading to faster, more accurate detection), the Firetrace 12 lb. Indirect Low-Pressure system utilizing FM-200® has been proposed. The distributor hopes to replace CeaseFire with Firetrace units.

## Unique UPS Systems

A distributor in the Northwest is working with a manufacturer of a unique UPS system. The system uses a combination of Hydrogen and Nitrogen to create power. The application of Firetrace to protect the UPS electronics as well as the fuel cell is an obvious fit. The system would consist of a 3 lb. Direct Low-Pressure system utilizing FM-200®. A pressure switch would be used to shutdown the power. The customer has shown great interest since the Firetrace system price is only a small amount more than the fire alarm system the distributor is quoting, and the Firetrace system can actually suppress the fire as well!

## Filling Tables of Industrial Alcohol Bags in Clean Rooms

A distributor in the Southeast has a Firetrace application for stand-alone filling tables. These tables are used for the insertion of industrial alcohol into bags of medical supplies prior to sealing for shipment to the military. A recent fire caused by static electricity led to the consideration of linear fire detection / suppression system surrounding the bag filling area. No other fire suppression provider had a system flexible enough to bring a solution to the customer. We have proposed using 12 lb. Direct Low-Pressure systems utilizing FM-200®.



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## Natural Gas Distribution Cabinet

A Midwest distributor has proposed a Firetrace 12 lb. Indirect Low-Pressure system to a power company to protect a 200 cubic Foot cabinet. The cabinet houses gauges and metering devices for the natural gas input to the turbine generators, and it poses a significant fire risk. The Firetrace system would be a first line of defense to prevent a potential fire from spreading.

## Mainframe Computer Protection

A distributor on the west coast has a Firetrace application at a state university. The customer recently had a Halon 1301 dump in their computer room. There was actually a small electrical fire in proximity of the cooling system for their mainframe computer. The Safety and Security Director is interested in installing a Firetrace 6 lb. Direct Low-pressure system that utilizes FM-200<sup>®</sup> for early warning and suppression of fires prior to the discharging the total flooding system. This type of system is extremely important not only from an environmental standpoint but from a cost standpoint for the school. Apparently, even though Halon is a "clean" agent, when the system discharged, the joint grease and lubricants that were used when installing the total flood system blew out of the ports and all over the computer room causing over a \$100,000 in cleanup and replacement costs.

## Network Servers

A distributor in the Carolinas has a perfect Firetrace application at a major computer company, and they are proposing Firetrace 10 lb. Indirect High-Pressure CO<sub>2</sub> systems. Although there are other CO<sub>2</sub> systems out there, the compact size of the Firetrace system, plus its inherent flexibility with our detection tubing, will allow for future server expansion and modifications.

## 911 Radio Towers

A distributor in the Northwest has a customer looking to protect their remote radio towers used with 911 service. The radio towers are used for police and fire department communications and are critical to their operations. Each tower has a control room in which the equipment (approx. 250 cubic feet) is housed. The newly FM Approved Firetrace 12 lb. Indirect Low-Pressure system utilizing FM-200<sup>®</sup> has been proposed. A pressure switch will tie directly into the digital communicator for monitoring back at the 911 center itself.

## Fume Cabinets

A distributor in the Southwest called on a laboratory that makes bonding agents for the semi-conductor and electronics industry. They are looking for Fume Hood Cabinet protection. The original call was for two specific cabinets where flammable liquids are used, but once the distributor quoted the price for each system, the number grew to all 40 hoods in their labs! The customer indicated that they want to move forward on this the first of the year.

