

## FIRE PROTECTION FOR MINING EQUIPMENT.

The machines used in the mining industry are some of the largest and most expensive pieces of heavy equipment available. To protect their capital equipment, mine operators want a fire suppression system that is effective and automatic. Since a down machine can cost thousands of dollars a day in lost production, they want a system that is low maintenance and easily serviced.

**AFEX** knows the mining industry and understands the demands of your operation. Our fire suppression systems are purpose built to withstand the everyday abuse your machines experience. They are rugged, reliable, and easily serviced in the field with common hand tools. In the event of a fire the system discharges automatically, saving valuable seconds crucial to limiting the damage to your machine.

**AFEX** supplies many of the largest mines in North and South America with our reliable, low maintenance, fire suppression systems. The systems are commonly installed on loaders, dozers, drills, graders, trucks, and excavators. They are available in many sizes and configurations to meet your needs, including our 125 lb. tanks and dual agent (dry and wet chemical) systems, perfect for larger machines such as haul trucks and hydraulic shovels.

If you are serious about protecting your equipment against fires, then you can rely on **AFEX**, as a specialist, to offer you the best solution.



# SYSTEM FEATURES

## Stainless Steel Tubing Distribution

The **AFEX** system is widely known for its rugged stainless steel construction, designed to be as sturdy as the machine it's installed upon. The tubing is nearly maintenance free and avoids costly and time consuming hose replacements.

Tubing, unlike hose, does not twist or tangle among the many existing hydraulic lines. It provides a clean and organized appearance that places the nozzles in fixed positions to best reach fire hazards without interfering with routine maintenance and operation of the machine.

## Conical Discharge Nozzle

The **AFEX** nozzle delivers a conical discharge pattern for broad distribution of the dry chemical agent, creating a "total flooding" system and maximizing area coverage. The integrated spring-loaded hinge keeps the nozzle clear of debris (without the need to constantly replace blow-off caps) and directs the dispersion of the agent towards the hazard.

## Automatic Detection System

The **AFEX** sensor is a single-pole, single-throw, switch that activates automatically when the sensor reaches the pre-set temperature. The case is laser welded to form a hermetically sealed housing and can be encased in various types of brackets or enclosures for ease of mounting.

Each unit is manufactured to meet or exceed critical commercial, industrial, and military specifications and then inspected by hand to ensure proper operation.

## Circuit Monitor Panel

The **AFEX** CMP uses both audible and visual alarms to alert the operator to system conditions and can also activate external alarm devices. An operator controlled delay function is provided to prevent unwanted system discharges and an optional engine shutdown switch is available to reduce the risk of fire reignition.

The design uses solid state electronics rather than microprocessors to make the monitor resistant to false alarms and interference from EMI, RF, and unregulated voltage. Power is accessed from the equipment's battery, so no additional batteries are necessary.



A vehicle fire suppression system is not a finished product until it is installed. Therefore, proper installation and maintenance are crucial to ensure long-term reliability and effectiveness of the system.

AFEX knows heavy equipment and the hazards that put it at risk. AFEX distributors share the same special knowledge required to effectively protect heavy equipment against fire risks. Unlike our competitors, all AFEX distributors are experienced with vehicle fire suppression systems and heavy equipment.

When choosing a vehicle fire suppression system, choose AFEX for the quality of design and choose AFEX distributors for the quality and reliability of their service.

Let us introduce you to your local AFEX service provider. Call us at (919) 781-6610 or email [info@afexsystems.com](mailto:info@afexsystems.com).