

# AFEX

## Surface Mining

### Fire Suppression Systems

## Automatic & Manual Fire Suppression Systems for Mining Equipment



Many of the world's largest mines rely on AFEX to protect their equipment. We are *specialists* in the manufacture of fire protection systems for mobile heavy equipment. Our 35 years of innovation, manufacture, and testing of fire suppression systems ensures that your equipment is protected with a reliable proven system.

AFEX is fulfilling the need for a reliable low maintenance fire suppression system in the mining industry. We recognize that any "down-time" of valuable equipment results in

lost productivity and earnings. Our state of the art detection package and our rigid distribution network have caught the attention of mine operators who need a reliable, durable and low maintenance fire suppression system. The "Stainless Steel Tube System" is the system of choice for their haul trucks, wheel loaders, excavators, drills and dozers.

As a company, our distribution, service, and support network is international in scope, but personalized and responsive to your specific requirements.

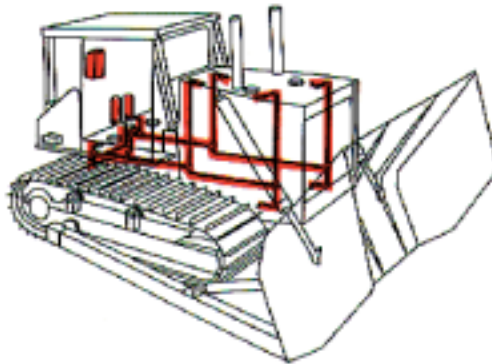
# AFEX — *Reliable, Durable, Low Maintenance*

## The Stainless Steel Tube System



The AFEX System is typically installed using stainless steel tubing in the distribution network. Once installed, the tubing is nearly maintenance free. Maintenance crews avoid time consuming hose replacements resulting from dry rot.

The tubing, unlike hose, does not tangle or intertwine among the many existing machinery 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.



## The Circuit Monitor

Used with automatic systems, the Circuit Monitor employs solid state electronics, not a microprocessor. Its functions are simple and do not



require complex switching capacity. This design makes the monitor resistant to false alarms and interference from EMI, RF or potential unregulated voltage that may reach the equipment's electrical system.

The monitor uses both audible and visual alarms to alert the operator and features an operator controlled delay feature. Engine shutdown is available through the use of a pressure switch or the monitor's optional relay module. The module can also activate external alarm devices.

The monitor does not require a separate battery. Power is accessed from the equipment's battery.

## The Nozzle



The AFEX Nozzle delivers a conical discharge pattern for broad distribution of the dry chemical agent, creating a "total flooding" system. The nozzle is protected by a spring-loaded hinged cap that prevents clogging and makes old style "blow-off" caps obsolete.

## The Sensor

Used with automatic systems, the Sensor is manufactured to meet or exceed critical commercial and industrial specifications as well as UL and/or CSA ratings.



The sensor is a single-pole single-throw switch activated by a snap-action bimetal disc. Temperature calibrations are pre-set and each unit is 100% thermally and mechanically inspected. The case is laser welded to form a hermetically sealed housing. The sensor can be encased in various types of brackets or enclosures for mounting.

