

FIRE PROTECTION FOR FORESTRY EQUIPMENT.

The number one cause of preventable forestry equipment loss is fire.

In response to their losses, insurers raise rates, increasing the overhead burden for loggers. Equipment losses are not only losses in capital, but also losses in production.

AFEX knows the forestry industry, in fact, the first systems we built over 45 years ago were for forestry machines in North Carolina. Technological advances have since created machines of greater size and strength, however, these bigger and stronger machines have even greater fire risks.

The large volume of hydraulic fluids operating under high pressure creates potential fire hazards when hoses leak or rupture. Engine compartments designed to prevent the accumulation of debris inhibit access for routine cleaning and restrict the effectiveness of handheld fire extinguishers.

Engines located in the rear of the machine, such as on feller bunchers, hide fires from sight and make early detection difficult. Water tanks are simply ineffective against the fires experienced on today's machines, especially oil (class B) and electrical (class C) fires.

Only an A:B:C dry chemical fire suppression system like the **AFEX** system will meet the industry's needs for dependable automatic fire protection.

Our fire suppression systems are purpose built to withstand the everyday abuse your machines experience. In the event of a fire the system discharges automatically, saving valuable seconds crucial to limiting the damage to your machine.



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.

Control Unit

The Control Unit combines micro-processor technology with **AFEX** durability for the ultimate fire suppression system control and performance. To ensure your machine is protected in the event of a fire, audible and visual signals alert the operator to any problem or alarm conditions. These alerts are also stored on the Control Unit's internal log for troubleshooting and are displayed on the LCD display, which can be programmed to your local language. In the event the battery connection is severed during a fire, or if no vehicle battery connection is available, the Control Unit's internal battery provides up to one year of standalone power.



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 780-948-9955 or email parts@tomahawkind.ca