AFEX
FIRE SUPPRESSION SYSTEMS

FM APPROVED

YOUR INDUSTRY HAS UNIQUE EQUIPMENT.
YOUR EQUIPMENT HAS UNIQUE FIRE RISKS.
AFEX KNOWS.

WE KNOW DUAL AGENT SYSTEMS.

Effective fire fighting on heavy equipment requires fast action. For this reason, the fast knockdown properties of A:B:C dry chemical powder remains the industry standard, however, modern machinery relies increasingly on hydraulic systems.

The **AFEX** dual agent system combines our FM approved dry chemical fire suppression system with a secondary liquid cooling agent to target engine hot spots such as turbos and exhaust manifolds and reduce the risk of reignition.

When a hydraulic line fails it spreads highly combustible, atomized, hydraulic fluid throughout the engine compartment creating additional fire hazards and the potential for reignition. Reignition impedes fire fighting efforts and can cause significantly greater damage to the machine.

To maximize fire fighting effectiveness and minimize a fire's impact on the profitability of your equipment, you need a dual agent system that will suppress the fire quickly and cool the high risk components.

Unlike many other liquid systems, the **AFEX** liquid agent is environmentally friendly, non-toxic, non-hazardous, non-corrosive, and retains fluidity at temperatures as low as –40° C. It is effective against class A&B fires, and specially formulated for its cooling properties.

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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

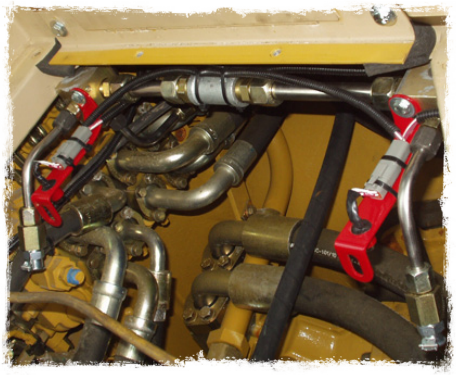
The **AFEX** sensor is a single-pole, single-throw, switch that activates automatically when the sensor reaches the pre-set temperature. The case is laser welded to form a hermetically sealed housing and can be encased in various types of brackets or enclosures for ease of mounting.

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