

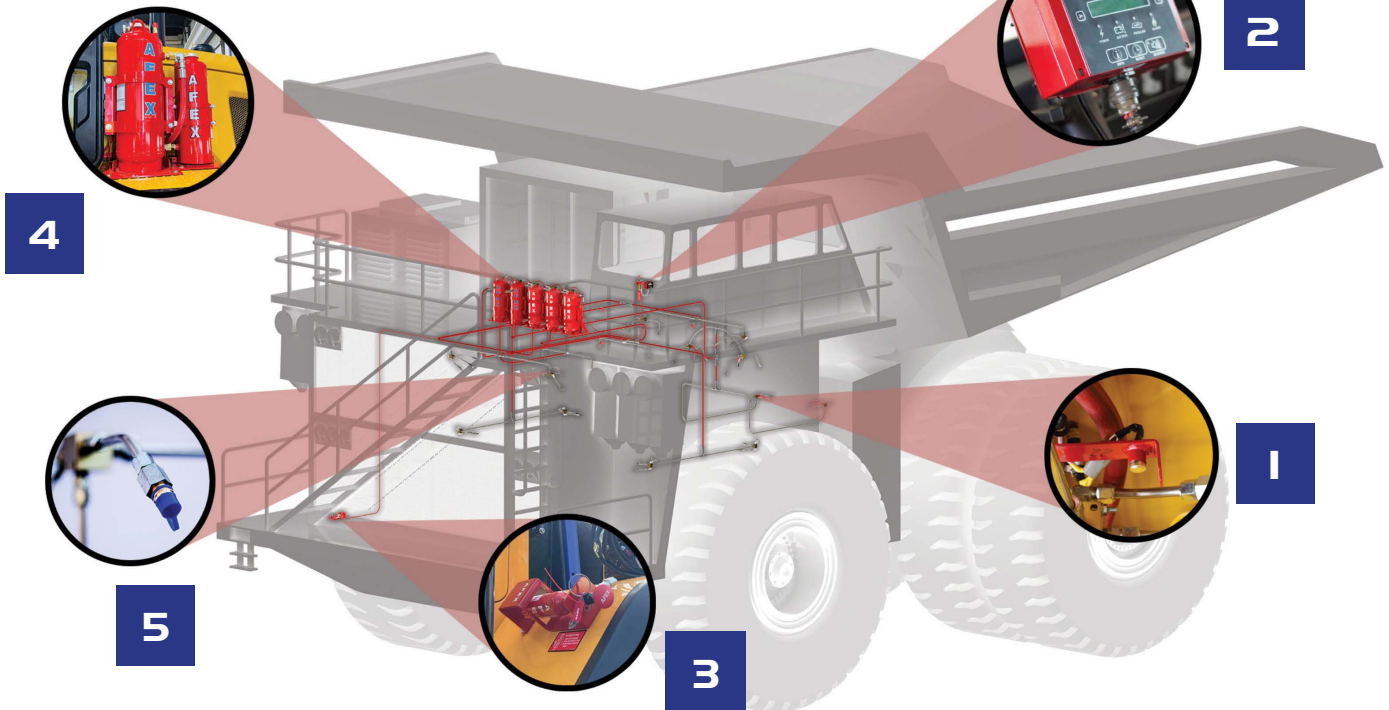
Protect Your Equipment with a Vehicle Fire Suppression System

WHAT IS A VEHICLE FIRE SUPPRESSION SYSTEM?

Heavy duty equipment fires can be devastating to an operation. A single downed machine can cost thousands of dollars a day in lost production. Fire is a real threat to operators, assets and productivity. To combat this risk, organizations across the globe are using fire suppression systems - the only reliable method to quickly and efficiently extinguish a fire when it does inevitably occur.

A fire suppression system is a safety accessory permanently mounted to a piece of heavy-duty mobile equipment to serve as protection in the event of a fire. Organizations consider these systems their first line of defense against total equipment loss, raised insurance rates, and the other impacts of fire. A Typical System is Comprised of Five Key Components:

1. Fire-detecting linear wire or spot sensors
2. A control panel to detect a fire and alert the operator
3. Actuators discharge automatically or manually to activate system
4. Tanks filled with fire-fighting agent
5. A distribution network of tubes, hoses, and nozzles



FLO INSTALLED AFEX VEHICLE FIRE SUPPRESSION SYSTEM

AFEX fire suppression systems are purpose-built to withstand the everyday abuse heavy duty machines experience; they're rugged, reliable and easy to service. To mitigate a fire as soon as it happens, fire-detecting linear wire or sensors are strategically placed around the machine. When the high heat of a fire penetrates the linear wire or is detected by the sensors, a signal is sent to the control panel in the vehicle cab. The control panel alarms and alerts the driver to quickly evacuate the machine. At the same time, the panel automatically initiates the actuator, which discharges the fire-fighting agent inside the onboard tanks and sends it through a distribution network comprised of stainless steel tubing and/or hydraulic hosing. An actuator can also activate the system when pressed manually by the operator. At the end of the distribution network, the agent is disbursed into the equipment's protected areas via nozzles aimed at the machine's high-hazard components, like turbochargers, starters, fuel filters, batteries, alternators, and transmissions to extinguish the fire quickly and efficiently.

COMPONENT FEATURES



SS Tubing Distribution

- Rugged construction
- Less costly and timely than replacing hoses
- Clean, organized appearance once installed for easy maintenance
- Virtually maintenance free



Conical Discharge Nozzle

- Broad distribution of dry chemical agent
- Total flooding to maximize coverage
- Spring-loaded hinges keep nozzles clear of debris
- Less maintenance than blow-off caps



Automatic Detection System

- Linear wire detects fire anywhere along length of cable
- Sensors activate automatically when they reach a preset temperature
- Manufactured to meet or exceed commercial, industrial and military specs



Control Unit

- Microprocessor technology with LCD display
- Audible and visual signals alert to problem or alarm conditions
- Internal log for troubleshooting
- Battery and stand-alone power

SYSTEM FEATURES

Features & accessories you can choose from when selecting FLO installed fire suppression from AFEX:

System type - Automatic or manual (requires human action to discharge system)

Detection method - Linear detection wire or sensors

Control panel - Circuit Monitor Panel (basic) or Control Unit (advanced)

Distribution network - Stainless steel tubing or hydraulic hosing

Accessories - Fire sleeve, horn and strobe, engine shutdown package, linear coil guard, telematics integration, remote actuation, etc.

Telematics connectivity - For remote system monitoring (ideal for autonomous vehicles), real-time system statuses (via interface with your on board dispatch system) and manual system actuation (from a remote location)

SYSTEM TYPES AVAILABLE

Dry Chemical Systems

- Floods volume of space (e.g., vehicle engine compartment) with a fire-fighting agent that suffocates the flame

Liquid Chemical Systems

- Cools hot surfaces quickly (e.g., turbochargers & exhaust components) with a layer of foam
- Separates fuel hydrocarbon molecules to suppress fires, fighting reignition & pooled fuel fires

Dual Agent Systems

- Dry chemical agent floods, penetrates & protects engine and transmission compartments
- Liquid agent covers hot surfaces & open spaces to cool & suppress

WHY CHOOSE AFEX FIRE SUPPRESSION?

- Fire Risk Assessments, system design, installation & inspection conducted by factory trained FLO Components personnel.
- AFEX is the #1 manufacturer of off-road fire suppression systems in the Americas.
- For over 50 years AFEX has produced vehicle fire protection systems with hardware that is **designed exclusively for mobile heavy equipment** - the competitors' is not.
- AFEX fire suppression systems are rigorously tested to meet extreme conditions, pass specific fire tests designed to simulate real work risks of off-road equipment & meet standards that apply to off-road equipment, such as UL 1254, AS 5062, and FM HDME.
- AFEX systems feature more reliable "side-cartridge" technology vs. "stored pressure" technology used by some competitors. Side-cartridge systems contain the propellant in separate, sealed cartridges, ideal for heavy industries due to the excessive amount of vibration that can cause a less robust pressurized system to leak.
- Systems customized to meet your specific equipment & environmental requirements.
- Systems can be easily serviced and recharged in the field, decreasing downtime while protecting your valuable capital investment.
- Made in the USA, systems are also CE, NFPA & ACTIVFIRE approved.

For Fire Suppression Solutions,
GO WITH THE FLO!

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