



# Vehicle

## **FIRE SUPPRESSION**

# System Overview...

## The Amerex Advantage

Fire destroys millions of pounds worth of plant and transit equipment every year. It causes manpower losses, decreased property value, and, in many cases, loss of human lives.

Amerex is one of the nation's leading manufacturers of fire fighting equipment with more engineering, manufacturing and quality control experience than anyone else in the industry. We can protect your equipment from fire with a suppression system designed specifically for you.

## The Risk Of Fire Is High

- ◆ Abrasion against a high pressure hydraulic line causes a pin-hole and leaks atomized hydraulic fluid onto a hot manifold.
- ◆ Cardboard, paper and other combustible materials gather behind the hot exhaust manifold in the engine compartment.
- ◆ A short occurs in one of the machine's electrical cables, setting the cable insulator on fire.
- ◆ Coal dust, wood shavings, debris build up ignites from a metal spark.
- ◆ A wire harness near the battery shorts against the vehicle's chassis, melts, then ignites.

## Reduce Damage and Down Time

Amerex Vehicle Fire Suppression Systems are designed to warn the operator and suppress the fire, protecting both equipment and people. Our automatic systems suppress the fire in its earliest stages, before it becomes fully established and spreads into highly combustible areas. As a result, damage is limited and equipment down time is held to a minimum.

## Reduce Insurance Cost

Amerex Vehicle Fire Suppression Systems may make it easier to obtain insurance and also help you qualify for lower premiums. As the costs of heavy duty vehicles rise, insurance rates escalate accordingly. Many insurance companies have recognized a reduction in claims paid out due to the presence of a fixed vehicle fire suppression system. The Amerex Fire Suppression System will lower your fire risk, which can lower your insurance premiums.

## Mining Operations



## Waste/Recycling Industry



## Forestry Industry



## Mass Transit Vehicles



## Ports





# Vehicle Fire Suppression Systems...

## Amerex Vehicle System Components

### Cylinders (Stored Pressure)

Amerex Vehicle System cylinders are manufactured from the highest quality materials. The cylinders are constructed of steel and coated with an epoxy primer and a polyurethane top coat for excellent resistance to corrosion. The valve is brass and features a brass gauge guard to protect the pressure gauge in rugged environments. Cylinders are shipped filled with ABC or Purple K dry chemical and pressurized.



### Available Cylinder Sizes

- 13 lb. (Vertical Mount)
- 25 lb. (Vertical Mount)
- 25 lb. (Horizontal Mount)
- 50 lb. (Vertical Mount)
- 50 lb. (Vertical Mount - Short Cylinder)

### Control Panel

System status is constantly monitored by the Control Panel and communicated to the vehicle operator by visual LED indicators and audible alarm. Control Panel connects to system wiring by click lock connectors. Rugged anti-vibration enclosure works in temperatures -40F - +165F. Low power consumption and back up battery guarantee 24/7 fire detection and suppression.



### Detection Network

Fire detection can be provided by fixed temperature thermostats, linear or Safe-IR detectors. Any combination can be used as necessary.



Fixed Temperature  
Thermostats



Safe-IR



Linear Detection  
Electronic and Pneumatic

### Nozzles and Distribution

Fire suppression agent is delivered to hazard areas by fixed high capacity fast flow machined brass nozzles.





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