



For more information on American Transit Fire Suppression Systems and Equipment please call or visit our web site:

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# AMERICAN TRANSIT MODEL APG™ AEROSOL

VEHICLE FIRE SUPPRESSION SYSTEMS





# AMERICAN TRANSIT SAFETY SYSTEMS, INC.

Design - Engineer - Manufacture

## MODEL APG™ AEROSOL FIRE SUPPRESSION SYSTEM VEHICLE FIRE SUPPRESSION

### The Need for Automatic Vehicle Fire Protection

The most important consideration in the selection and installation of automatic vehicle fire protection is the safety of the passengers and the operator of the vehicle. Industrial and commercial vehicles are plagued with potential fire hazards. Therefore, the danger of vehicle fire is constant. Since all vehicles carry a combination of highly combustible fluids including fuel, oils, grease, lubricants, hydraulic fluid, and ignition sources such as turbochargers, exhaust manifolds, electrical circuits, and batteries – **fire can start quickly.**

#### PRIMARY SOURCES OF VEHICLE FIRE:

- Short circuits, broken or worn electrical wires
- Vehicle Alternator/Generator Failure
- Turbocharger Failure
- Build-up of Class A Debris on engine, exhaust or other hot surfaces
- Hydraulic system leak can atomize fluid onto hot turbochargers

#### ONCE A VEHICLE FIRE IS ESTABLISHED, THE FOLLOWING RESULTS ARE ALMOST A CERTAINTY:

- Equipment Damage
- Vehicle Downtime for Repair
- Personal Injury Liability
- Loss of a Revenue Producing Vehicle
- Damage to Adjacent Vehicles, Equipment, or Buildings

#### AMERICAN TRANSIT VEHICLE FIRE SUPPRESSION SYSTEMS

American Transit Safety Systems, Inc. specializes in pre-engineered automatic fire detection and suppression systems for heavy duty commercial, industrial, municipal, and military vehicle applications including on-road and off-road vehicles in rough service environments. The ATSSI Model APG Aerosol Fire Suppression Systems are site specific and designed to protect hazard areas common to vehicle and mobile equipment.

#### COMMON VEHICLE FIRE HAZARD AREAS:

- |                              |  |
|------------------------------|--|
| ■ Vehicle Engine Compartment | ■ AC Condenser Areas                     |
| ■ Coolant Heater Compartment | ■ Electrical Cabinets                    |
| ■ Particulate Trap Areas     | ■ Generator Areas                        |
| ■ Battery Boxes              | ■ Refrigeration Units                    |
| ■ Aviation GPU               | ■ Fuel Filler/Tank Area                  |
| ■ Cargo Areas                | ■ Wherever Potential Fire Hazard Exists! |
| ■ Hydraulic Pump Areas       |  |

#### VEHICLE APPLICATIONS INCLUDE:

- |                                  |                            |
|----------------------------------|----------------------------|
| ■ Sanitation Trash Trucks        | ■ Agriculture Equipment    |
| ■ Municipal Maintenance Vehicles | ■ Parcel Delivery Vehicles |
| ■ Truck Tractor                  | ■ Military Transport       |
| ■ Intercity Coach Bus            | ■ Construction Vehicles    |
| ■ Aviation Support Equipment     | ■ Paratransit Vehicles     |
| ■ Rail Subway Vehicles           |                            |



We also custom design automatic fire suppression systems for specific vehicle applications.

Through years of scientific research, ATSSI Model APG Aerosol Systems represent significant advancement in fire suppression technology: an aerosol forming solid compound.

Upon activation, the solid compound is transformed into a rapidly expanding, highly efficient, and extremely effective fire extinguishing potassium aerosol. The ATSSI APG System extinguishes fire by inhibiting the chain chemical reactions present in combustion on a molecular level — without depleting oxygen!

The effectiveness of the APG System is a function of its patented design, unique chemical composition, and the ultra-fine particles produced. The APG extinguishing systems act volumetrically. This means that a compartment is filled with a minimum quantity of extinguishing material which acts directly on the ignition mechanism of the flame.

#### Features:

- Rapid discharge and suppression time
- Produces gas-like aerosol with 3 dimensional distribution
- Extended Suspension Time
- Environmentally friendly — Zero Ozone Depletion Potential
- Increased effectiveness on a weight/volume basis
- Non-toxic
- EPA Approved
- High Efficiency Operation at Extreme Temperatures
- Compact — up to 90% reduction in space and weight of conventional systems
- Absolute Minimum Maintenance
- Ease of Installation — No piping or pressure vessels
- Minimal post fire clean-up — Easily vented after discharge
- Non-corrosive and Non-conductive
- Will not harm engine or sensitive electronic equipment
- 15 Year Shelf Life



COMMERCIAL - INDUSTRIAL - MUNICIPAL - OFF-ROAD - MILITARY  
AUTOMATIC VEHICLE FIRE SUPPRESSION