



**Quality is Behind the Diamond**

**School Bus Fire Suppression**

## The AMEREX Advantage - Quality • Experience • Innovation



### Because it Absolutely Matters

Children's lives are precious and protecting them from fire hazards has been an Amerex initiative for years. Fire suppression systems can be the difference between life and death. The Amerex Advantage stands out when choosing a fire suppression system for your school bus fleet. When making this choice, consider the Amerex Advantage. Our experienced team has equipped vehicles with quality fire safety solutions for three decades.

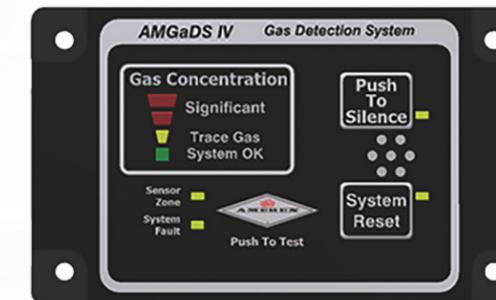
Quality **cannot** be sacrificed, so choose Amerex.

## The AMEREX Advantage - Flexibility - Suppression and Gas Detection



Dry Agent Cylinders

### AMGaDS IV Gas Detection



### Quality without Compromise

The best school bus fleet operations are uncompromising when it comes to the quality and reliability of their buses. At Amerex, we believe the same should be true when it comes to protecting our children. With the experience of over 100,000 vehicles protected, the Amerex vehicle fire suppression team has developed the most reliable fire suppression systems in the industry. AMEREX Fire Suppression Systems provide Fast and Reliable Fire Protection.

### Why Amerex?

- Quality As a product of the USA, we provide higher quality products and ship them to you quickly
- Experience At Amerex, our focus is on protecting buses and the people who travel in them. We protect more buses in North America than all of the other manufacturers combined. You want an experienced driver, choose the most experienced fire suppression manufacturer.
- Innovation Our dedicated vehicle systems engineering team uses advancements in technology to develop customized solutions for your school bus fleet. We continually invest back into our products to progress our products and the industry as a whole.



Quality is Behind the Diamond



Amerex manufactures a complete line of fire extinguishers and vehicle brackets designed for variety of school buses.

We know that not all school buses and their requirements are the same, so we offer multiple fire suppression agents in a variety of sizes to meet your needs. In addition, we can equip propane, hydrogen, and natural gas powered buses with early detection systems.

- **Dry Agent Systems** - not only does dry agent provide the fastest fire knockdown by far, dry agent gets into the hard to reach areas where fire can exist.
- **Amerex AMGaDS IV Gas Detection System** – Propane and natural gas (LPG/LNG/CNG) powered buses present unique hazards for our children. Amerex AMGaDS IV system detects dangerous leaks and notifies the operator, allowing them to evacuate the children before an explosive concentration of gas is present.

## The AMEREX Advantage - Flexibility - Control Panel Options



### Features of the 17 Series panel

- Cost-effective
- Single detection and releasing zone
- 24 hour protection with battery backup
- Diagnostic flash code for easy troubleshooting
- Programmable discharge and alarm relays



### Features of the SafetyNet panel

- Supports gas detection and infrared flame detectors for a combination of fire and gas detection systems
- Event log records 4000 events - time and date stamped, down-loadable log for easy troubleshooting and incident investigation
- Automatic Maintenance Testing (AMT) mode to significantly reduce maintenance time
- Full network ability to add additional detection and releasing zones
- 24-hour battery backup protection



### Features of the SMVS panel

- Integrated manual release on panel
- One hour battery backup if power is lost
- Diagnostic flash code for easy troubleshooting
- Programmable discharge and alarm relays

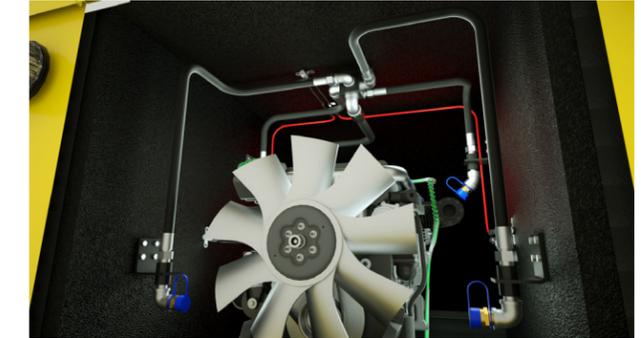
### Did you know?

Event logs can be downloaded and provided to the fleet Maintenance Manager to verify testing has been completed and kept as part of that units permanent record.

## The AMEREX Advantage - Flexibility - Fire Detection Options



Linear Heat Detection cables have long been the industry standard and provide a continuous heat detection cable run inside the hazard area. Amerex has raised the bar for traditional cable with a more robust abrasion resistant outer jacket and factory installed connectors for reliability and ease of service. The cable is also available with a stainless steel wire protective covering for extreme environments.



Spot Heat Detectors are available in three different preset temperature settings for flexibility and provide rapid heat detection and system activation. Spot Heat Detectors have factory installed connectors for reliability and ease of installation and service.



A combination of Linear Heat Detection cable and Spot Heat Detectors provides flexibility in your installs. It also provides rapid heat detection and system activation, which means less damage and less downtime.



**FM**  
APPROVED

### Fast Fact

Multiple types of detectors can be used on the same vehicle to provide faster response in high risk areas.

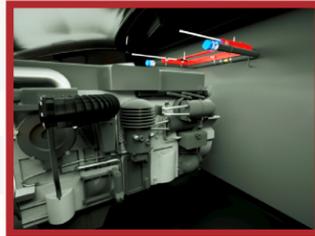


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## The AMEREX Advantage - Small Bus System Kit

### Amerex Small Bus Suppression Systems

- Designed specifically for small buses - a cost-effective option for A, B, and most C style buses
- Designed and sold as a kit to reduce costs and simplify installation
- FM Approved
- Integrated manual release on the control panel for a compact installation
- Each system can operate within temperature ranges from: -40°F to 150°F (-40C to 65C)



Nozzles and Detection



SMVS Control Panel



"Type A and B" Bus



SMVS Cylinder

### Did you know?

All Amerex fire suppression system control panels have a battery backup integrated into the panel to provide power in the event of vehicle power loss



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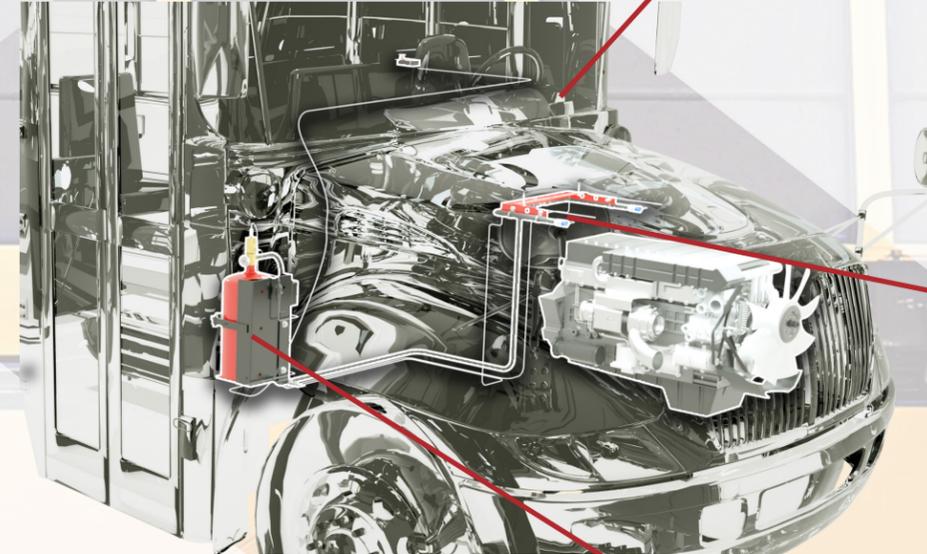
## The AMEREX Advantage - Small Bus System Kit

### Amerex Small Bus Suppression Systems

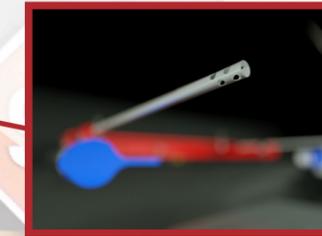
- Can be used on traditional Type C style buses to provide a cost effective option
- Designed and sold as a kit to reduce costs and simplify installation
- FM Approved
- Integrated manual release on the control panel for a compact installation



SMVS Control Panel



"Type C" Bus



Nozzles and Detection



SMVS Cylinder



### Fast Fact?

Amerex small bus systems are sold as a kit to reduce costs and delivery time

## The AMEREX Advantage - Rear Engine Bus Dry Chemical Systems

## The AMEREX Advantage - Rear Engine Bus Dry Chemical Systems

### Amerex Dry Chemical Suppression Systems

- Amerex Dry Chemical Systems are a FM Approved, pre-engineered fire suppression system designed specifically for the protection of buses
- Each system uses vertical or horizontal stored pressure agent cylinders, discharging dry chemical agent into the engine compartment
- Each system provides rapid fire knockdown to mitigate damage and allow time to evacuate the bus
- Each system can operate within temperature ranges from: -65°F to 150°F (-54C to 65C)



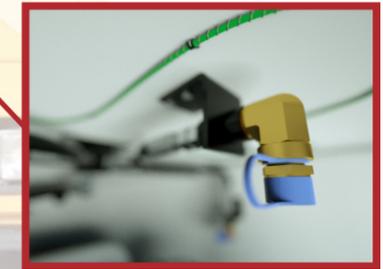
Control Panel



Detection



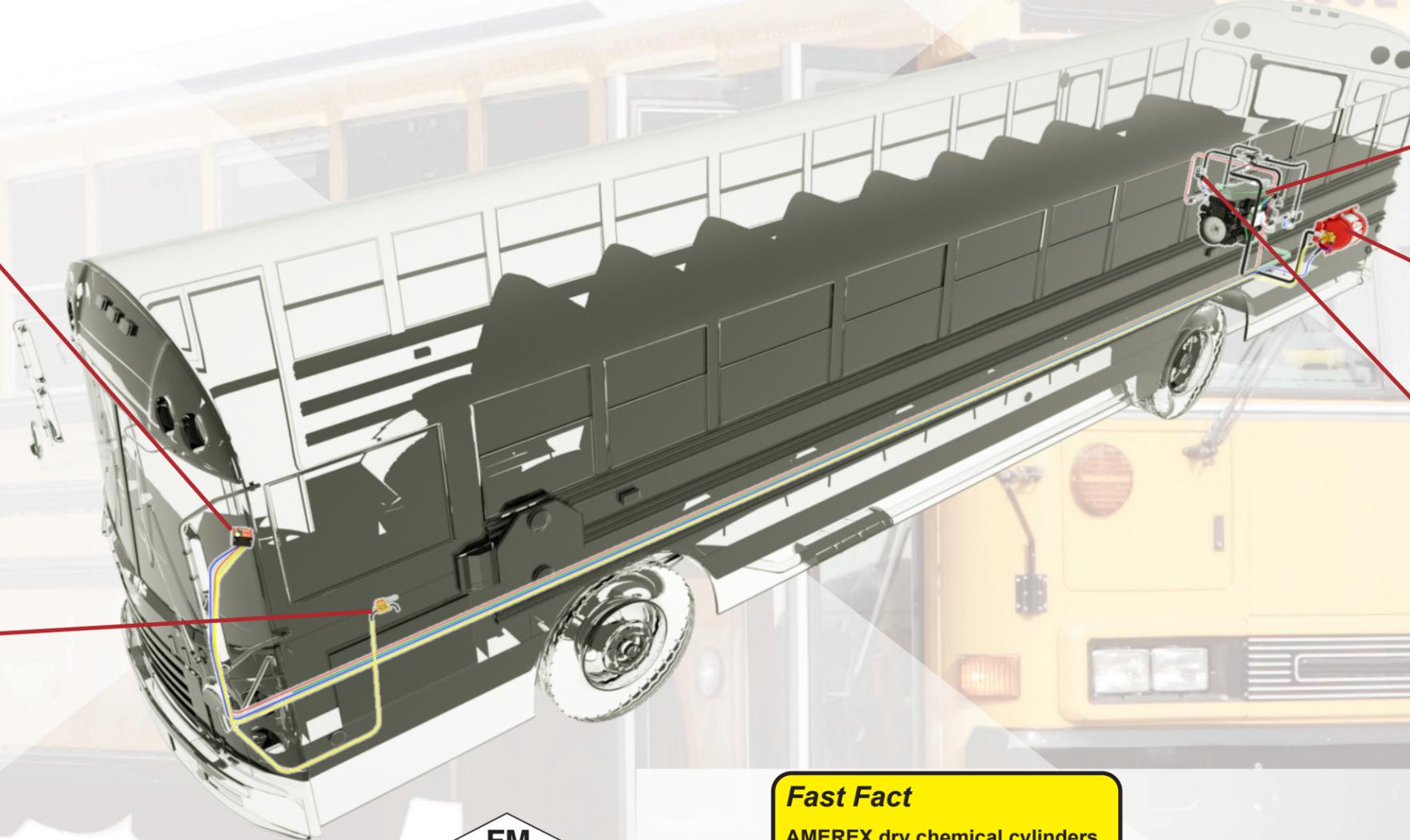
Agent Cylinder



Discharge Nozzle



Manual Release



### Did you know?

Dry chemical is the most effective agent for knocking down a fire and getting into the hard to reach areas in the engine compartment where fire can still exist

### Fast Fact

AMEREX dry chemical cylinders equipped with a pressure switch will send a notification to the operator if there is a loss of pressure



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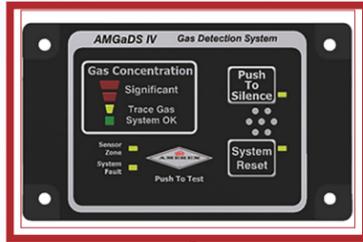
# The AMEREX Advantage - Combustible Gas Detection System

## Amerex AMGaDS IV Natural Gas Detection System

- AMGaDS gas sensors provide detection of combustible gas in concentrations below their Lower Flammability Limit (LFL)
- Identifies wasteful leaks - saves money
- Easy installation and maintenance
- Provides 24/7 Detection for CNG/ LNG/, Propane, and Hydrogen Combustible Gases
- Rugged compact design operates at 12 to 24 volts and is resistant to pressure washing and steam cleaning
- Integrates into Amerex fire suppression systems

### Did you know?

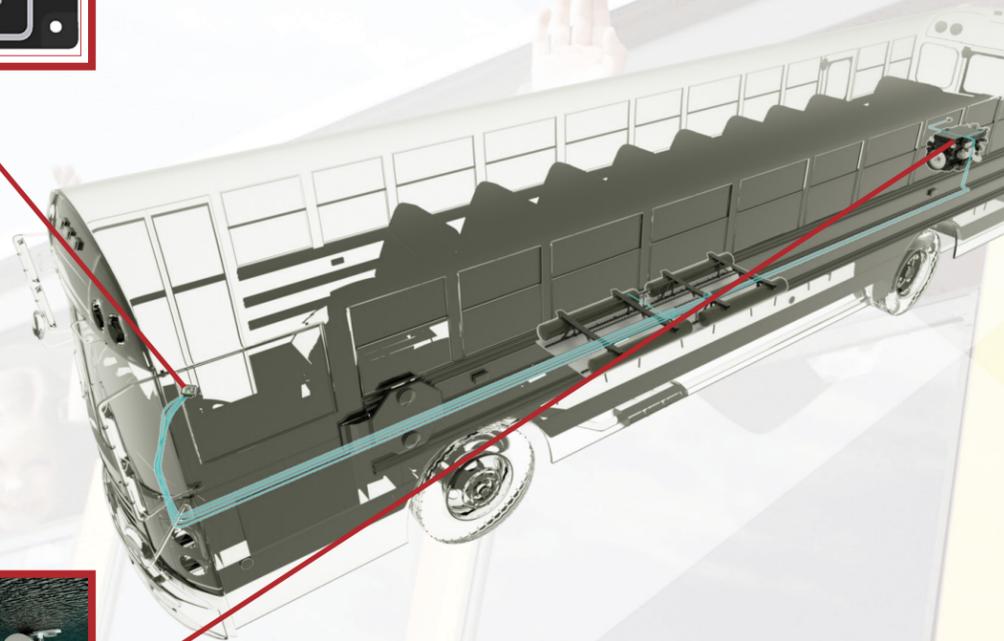
Amerex offers AMGaDS testing kits which utilize regulated gases to verify the sensors have maintained proper calibration.



AMGaDS IV Panel



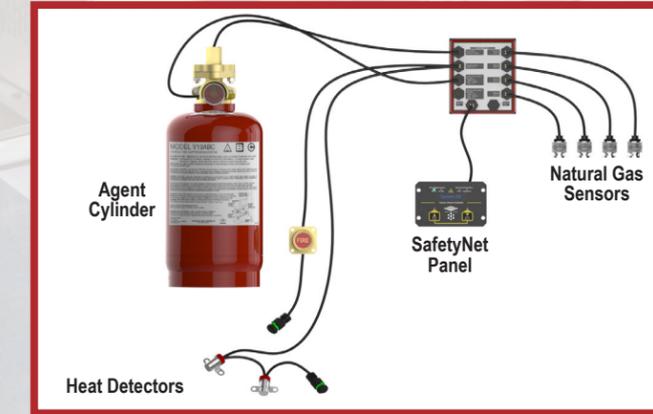
Gas Sensors



# Combustible Gas Detection System and Fire Suppression System

## SafetyNet

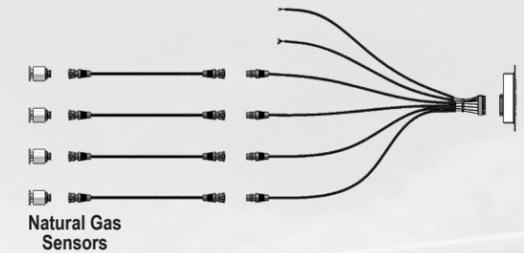
### Fire Suppression and Natural Gas Detection



## AMGaDS IV Natural Gas Detection System



AMGaDS IV Panel



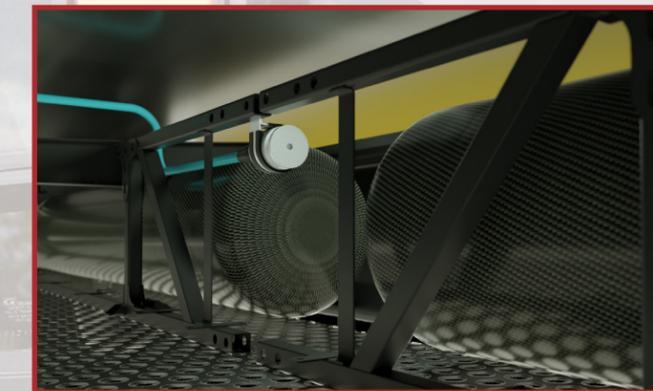
Natural Gas Sensors



Natural Gas Engine



Natural Gas Sensor



Amerex has been the leader in gas detection for over 20 years. The AMGaDS IV is a gas detection system designed to notify the operator of a gas leak.

The Amerex SafetyNet system integrates gas detection and fire suppression.

### Fast Fact

AMEREX was the first manufacturer to introduce gas detection for buses.



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CNG

LNG



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**AMEREX CORPORATION**

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