



Quality is Behind the Diamond

The Amerex Advantage - Quality • Experienced Innovation • Made in the USA



Quality Without Compromise And Experienced Innovation

The best Transit Fleets are uncompromising when it comes to the quality and reliability of their vehicles. At Amerex, we believe the same should be true when it comes to protecting your most important assets, your passengers. With the experience of over 100,000 fire suppression systems sold, the Amerex vehicle fire suppression team has developed the most reliable fire suppression systems in the industry. The 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 ride 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 Transit Fleets



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Because It Absolutely Matters

Amerex vehicle fire suppression systems are manufactured at our facility in Trussville, Alabama so we can provide you with the quality and flexibility your operation demands - when you need it most.

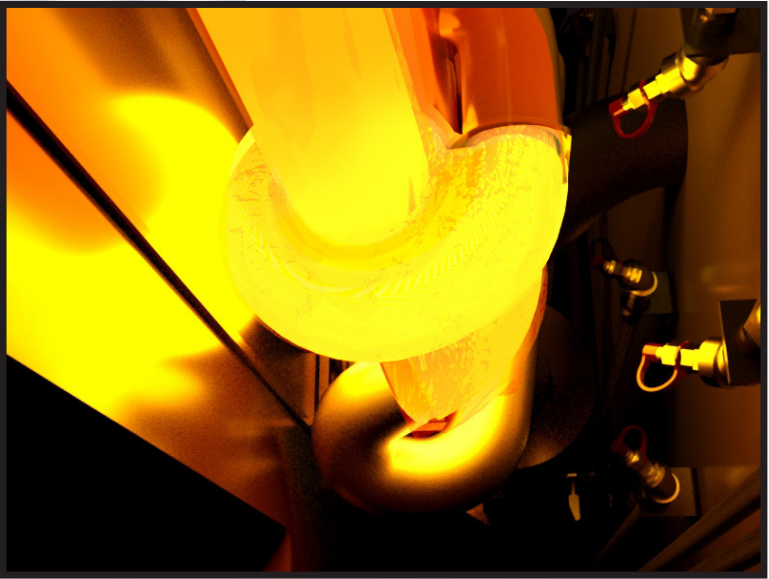
Why Stored Pressure?

- Prevents moisture from entering the cylinder and contamination of the fire suppression agent
- Agent is fluidized and ready to go when needed; no need for delays while the cylinder is being pressurized from an outside source
- Stored pressure cylinders have a pressure gauge which allows maintenance personnel to verify readiness
- Stored pressure cylinders can also be fitted with a pressure switch which detects a low pressure condition and notifies the operator via the control panel

The Amerex Advantage - Suppression Agent Options



Dry Agent Cylinders



Dry-ICS Application

ICS liquid agent cools superheated surfaces to reduce the chance of a fire reigniting

We know that all transit buses are not the same, so we offer different suppression agent options to protect your fleet needs

- **Dry Agent Systems** - provide the fastest fire knockdown as well as getting into those hard to reach areas where fire may hide.
- **Amerex Dry-ICS Systems** - Combines the strengths of both agents and provides the best possible fire protection option by providing rapid fire knockdown with dry agent and the cooling effects of the ICS liquid agent.

Fast Fact

ICS liquid can be used as a part of a dual agent Dry-ICS combination system.

The Amerex Advantage - Control Panel Options



Features of the 17 Series panel

- Two detection zones and one releasing zone
- 24-hour battery backup protection
- Diagnostic flash code for easy trouble-shooting
- Programmable discharge and alarm relays



Features of the SafetyNet panel

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



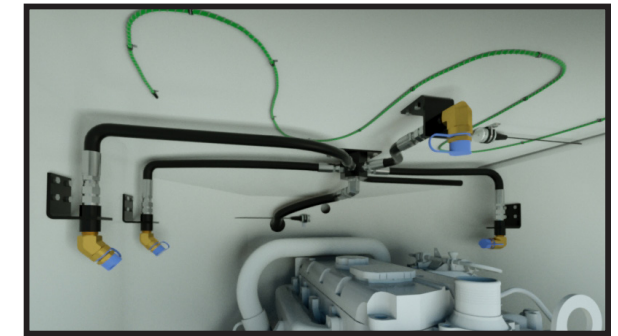
Features of the SMVS panel

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

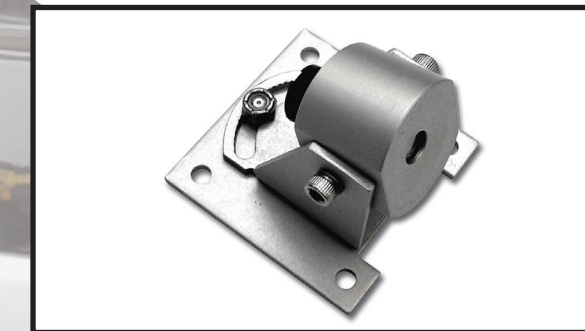
The Amerex Advantage - Fire Detection Options



Linear Heat Detection cables have long been the industry standard and provide a continuous heat detection cable run inside the hazard area. The Amerex Advantage has amped up the 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.



The AMEREX Optical Flame Detector is our fastest responding detector, responding to fire within seconds. Faster response time means less damage and less downtime. Amerex Optical Detectors "see" the fire by recognizing the light wavelength patterns given off by the hydrocarbon fire.



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APPROVED

Did you know?

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

Fast Fact

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



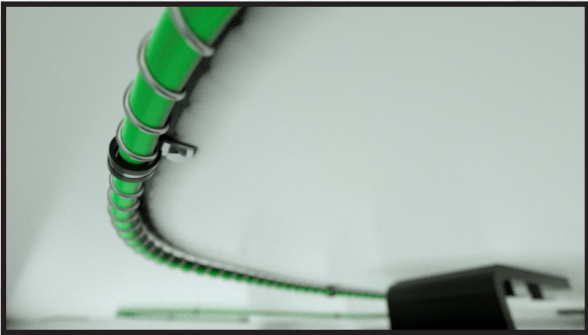
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The AMEREX Advantage - Rear Engine Bus Dry Chemical Systems

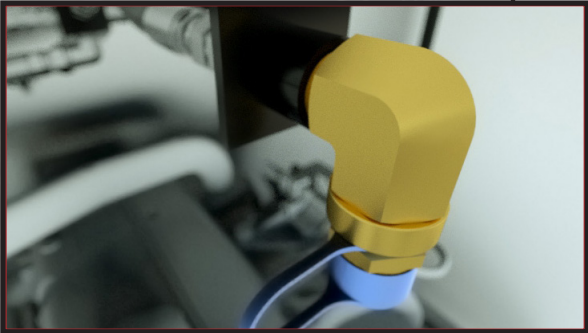
Amerex Dry Chemical Fire Suppression Systems

- Are an FM Approved, pre-engineered suppression system designed specifically for protection of buses
- Each system uses vertical or horizontal stored pressure agent The AMEREX Optical Flame Detector is our fastest responding detector, responding to fire within seconds.
- Each system provides rapid fire knockdown to mitigate fire damage and allows time to evacuate the bus
- Each system can operate within temperature ranges from -65F to 150F (-54C to 65C)

Did You Know?
Dry Chemical is the most effective agent for knocking down fire and getting to the hidden areas in the engine compartment



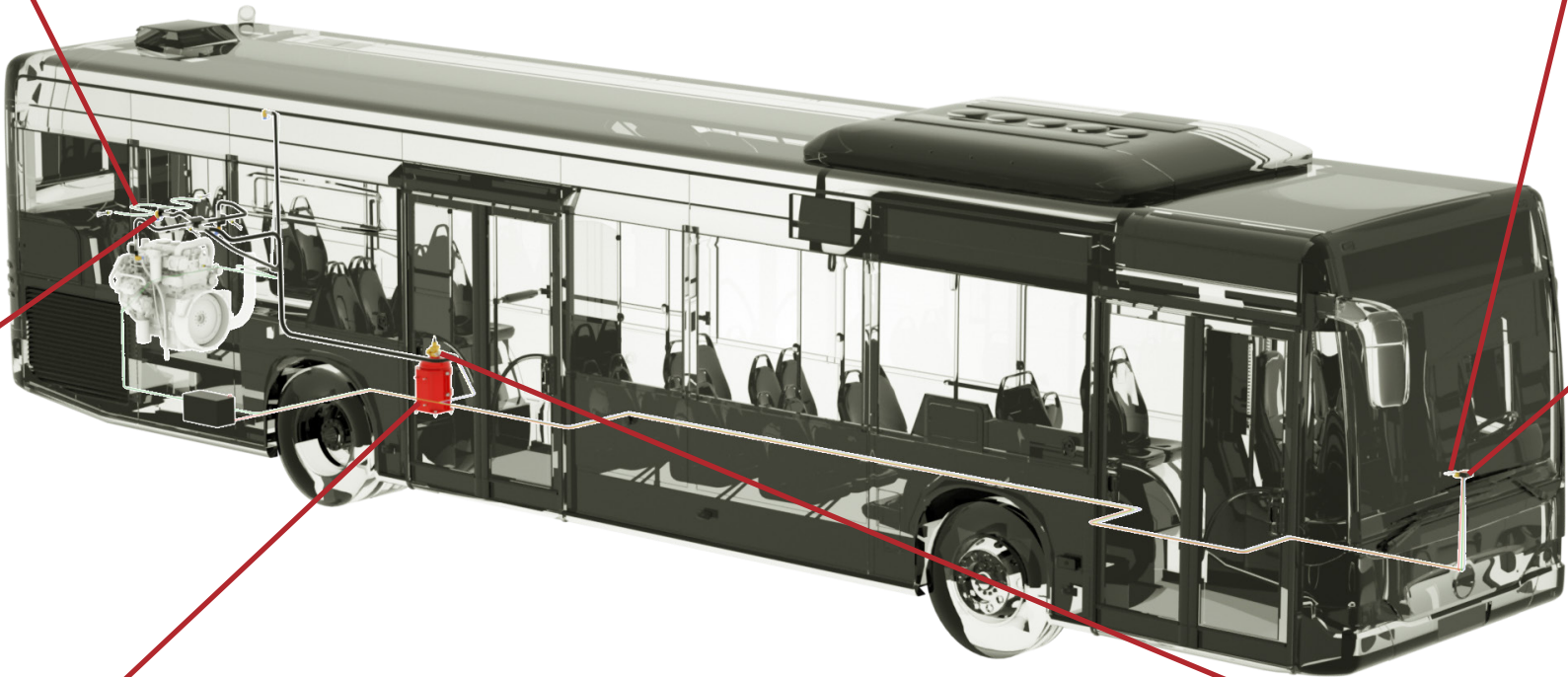
Detection



Discharge Nozzle



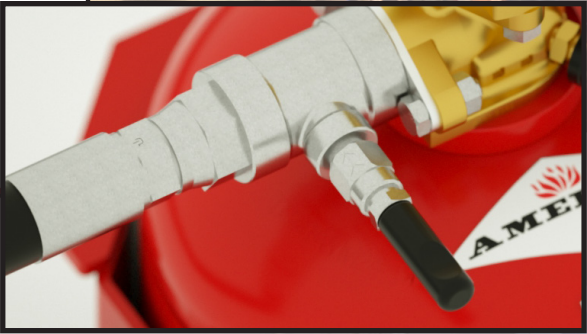
Agent Cylinder



Manual Release



17 Series Panel



Discharge Blow-off Adapter



Fast Fact
The AMEREX Dry Chemical System is also highly effective on combustible Class A materials.



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The AMEREX Advantage - Combination Fire Suppression and Gas Detection

Amerex Fire Suppression and Gas Detection Systems

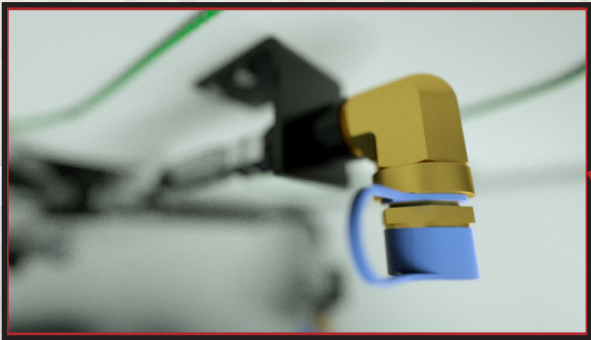
- Combines fire suppression and gas detection on one SafetyNet programmable control system
- Automatic Maintenance Testing (AMT) mode to significantly reduce maintenance time
- Records 4000 events that are time and date stamped, downloadable for easy troubleshooting and incident investigation
- Gas sensors provide detection of combustible gas in concentrations below the Lower Flammability Limit (LFL) to eliminate wasteful leaks and protect lives

Did You Know?

Amerex control panels have programmable discharge delay from 0-15 seconds in 5 second increments.



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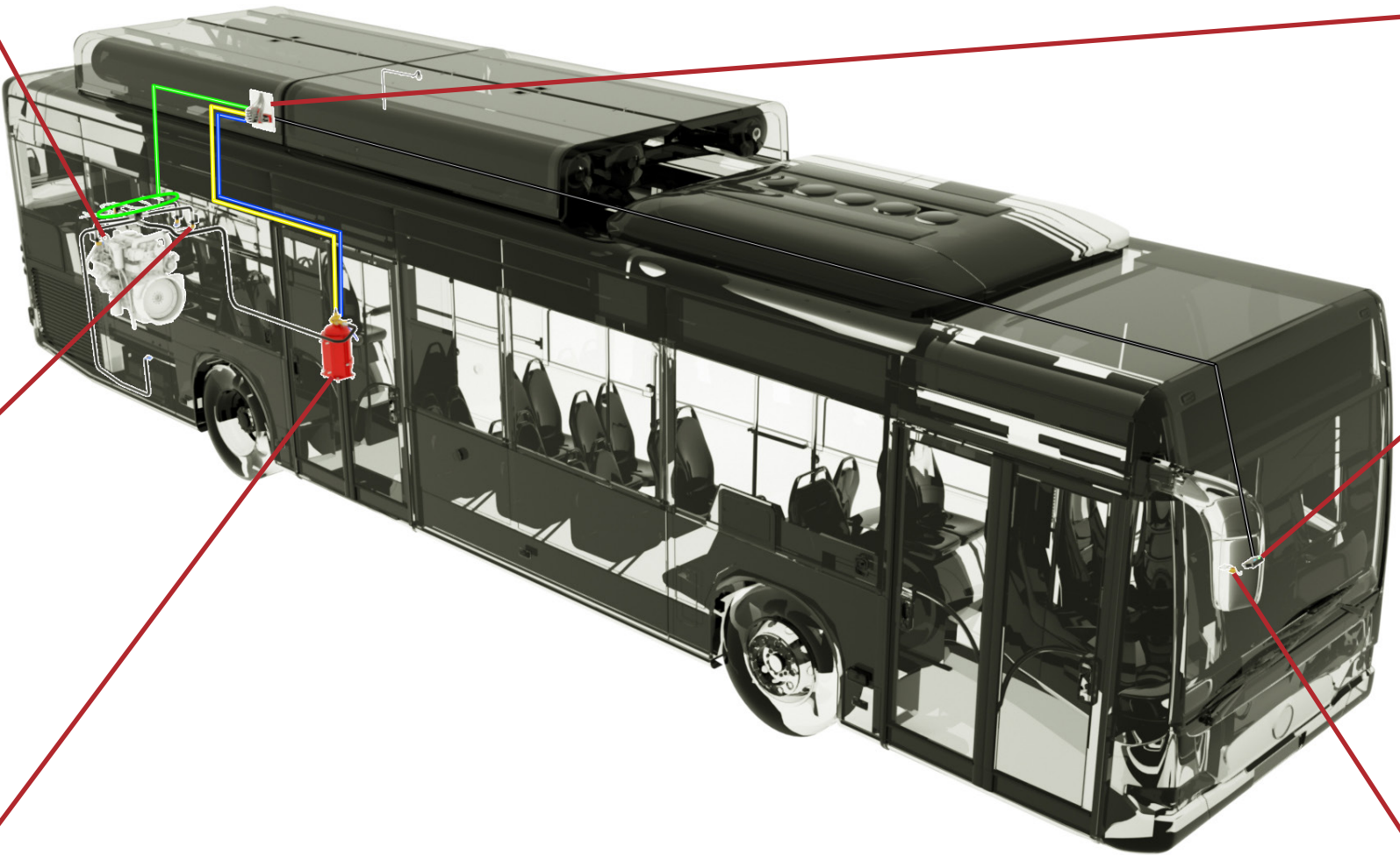
Discharge Nozzle



Gas Sensor



Agent Cylinder



SafetyNet Driver Panel



SafetyNet Display Panel



Manual Release



Fast Fact

Fires on transit buses can reignite after a fire is suppressed if the flammable fuel source is not shut off, or the ignition sources aren't cooled.



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The AMEREX Advantage - Small Bus System

Amerex Small Bus Suppression Systems

- Designed specifically for the small cutaway style buses to provide a cost effective option
- Designed and sold as a kit to reduce costs and simplify installation
- FM Approved system to provide piece of mind
- Integrated manual release on the control panel for a compact installation

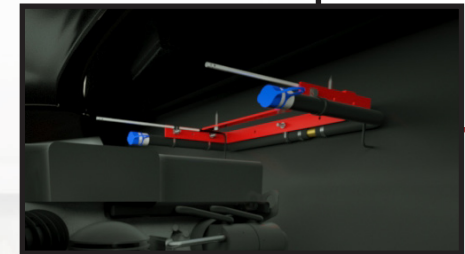
Did You Know?
All Amerex fire suppression system control panels have a battery backup integrated into the panel to provide power in the event of vehicle power loss



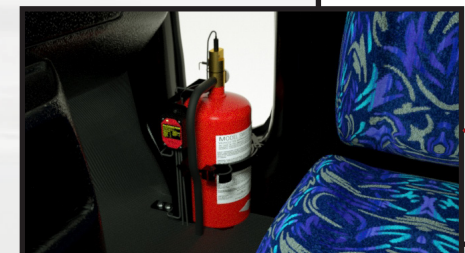
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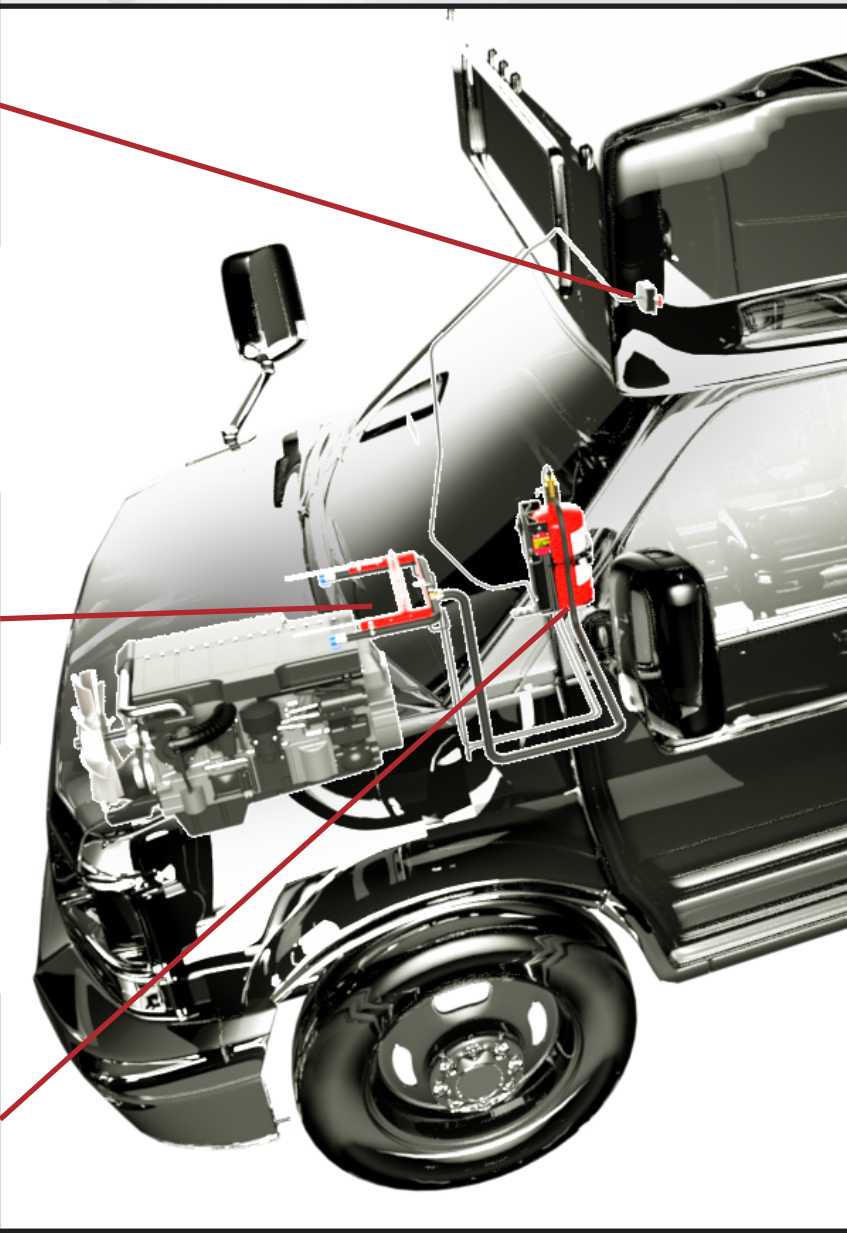
SMVS Control Panel



Nozzles and Detection



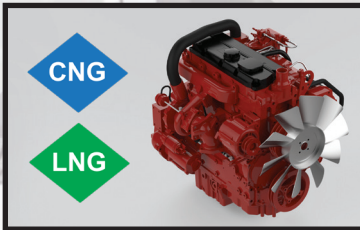
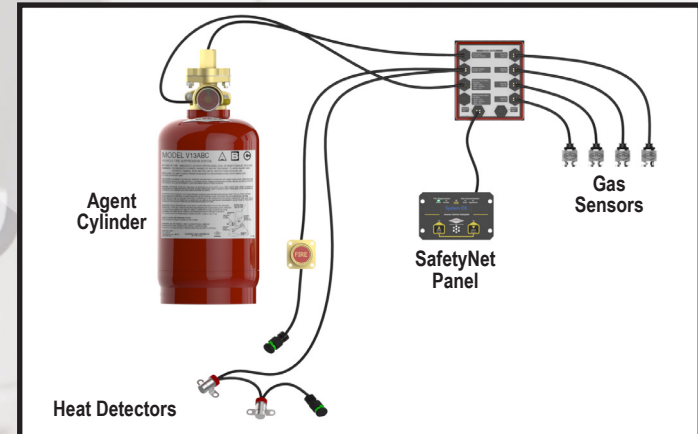
SMVS Cylinder



Innovations In Technology Gas Detection and Fire Suppression Systems

SafetyNet

Fire Suppression and Gas Detection



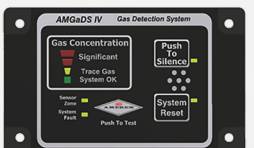
Gas Engine



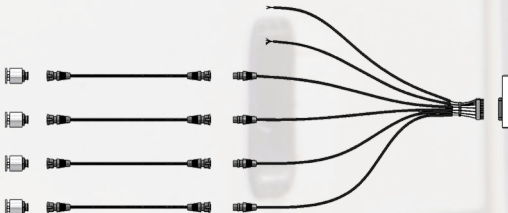
Gas Sensor



AMGaDS IV Gas Detection System



AMGaDS IV Panel



Gas sensor cable layout



Gas Sensor in cylinder compartment

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 provides both gas detection and fire suppression capabilities



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Note: The illustrations shown within are conceptual only and not intended for system design. A complete hazard analysis and risk assessment should be performed on the vehicle to determine the most probable ignition sources; along with the fire characteristics and quantity of the various fuels exposed to those ignition sources. Final placement of the fire suppression components should be based on the hazard analysis and in coordination with the end user.



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