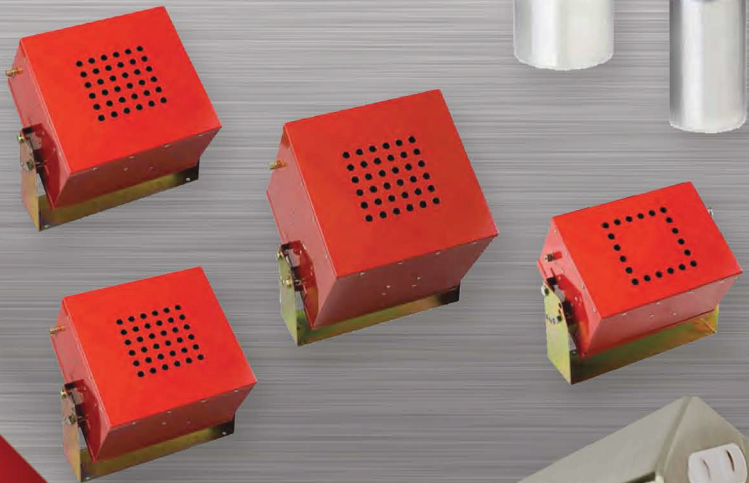




# Your Choice for Vehicle and Equipment Fire Protection



**JOMARR AGX™ SYSTEMS -  
THE NEXT GENERATION OF  
VEHICLE FIRE SUPPRESSION**



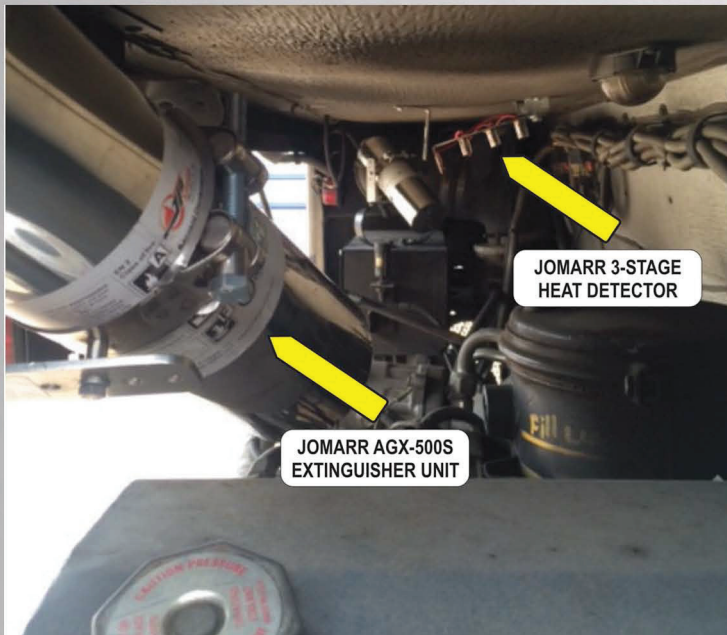
# Traditional Vehicle and Equipment Fire Protection Centers Around Two Technologies

Dry Chemical Agent Systems (ABC, Purple K) and Liquid Agent Systems (FM-200, FE-36) are commonly utilized to protect mass transit and school buses, trucks and heavy equipment, LRV and heavy rail vehicles, etc.

But this technology remains basically unchanged over the years; a supply of agent is stored under pressure, released through a piping distribution network through multiple nozzles into the hazard area and suppresses the fire.

Traditional piped systems require costly installation and adaptations such as:

- Extra space for agent containers and piping
- Robust, heavy duty fixtures to handle weight and discharge
- Expensive and frequent maintenance burden
- Special measures for recharging at remote sites
- Unscheduled vehicle downtime for after-discharge clean-up



EXAMPLE: REAR ENGINE BUS



EXAMPLE: JOMARR AGX EXTINGUISHER UNITS - TRUCK ENGINE

## JOMARR AGX AEROSOL TECHNOLOGY

For effective and economical vehicle, equipment, and special hazard fire protection, Jomarr AGX™ aerosol technology provides substantial cost savings in equipment and fire system maintenance costs compared to traditional systems. This is due to lower initial expense plus overall minimum maintenance costs of Jomarr AGX™ Systems.

Jomarr AGX™ aerosol technology features:

- Eliminates distribution piping, manifold, and nozzles
- No special handling for compressed gas cylinders
- Eliminates solenoid actuators, control heads, and hoses
- No pressurization within the hazard area
- Non-corrosive, non-toxic, non-electrically conductive agents
- Environmentally “green”



EXAMPLE: SANITATION TRUCK ENGINE



## How it Works

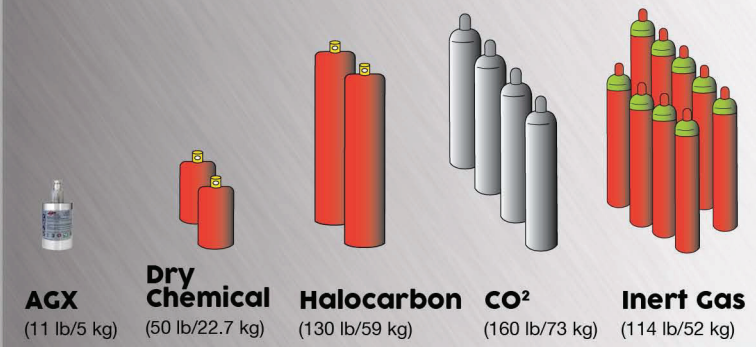
Jomarr AGX™ extinguishers are termed condensed aerosol agent generators because they generate an ultra-fine suspension of highly ionized potassium fire-fighting particles upon actuation.

The key elements in the generation process are:

- Device is sealed and stable until actuated
- Actuator at top energizes proprietary compound, creating aerosol agent by exothermic oxidation
- Build-up of ultra-fine particles and nitrogen gas breaks membrane seal and exits through ports
- Discharge fills protected area with a soft suspension of AGX™ agent without “super-pressurizing” space
- Potassium ions combine with fragments of combustion, inhibiting the fire chain reaction
- Agent particles also absorb heat from the fire and form inert gases upon decomposition
- Minute AGX™ agent particles remain in suspension afterwards, helping check re-ignition
- Post-fire area is easily vented and cleaned, with no harmful byproducts generated

The superior effectiveness of condensed aerosols is due to a unique set of characteristics unmatched by other special hazard agents. This is why it is by far the most efficient fire suppression agent by weight.

### LESS AGENT FOR THE SAME HAZARD SPACE



## Key Approvals Worldwide

Aerosol fire suppression is well-known throughout Europe and Asia. As the leader in vehicle and equipment fire suppression, Jomarr features this modern technology. In recent years, more fire protection engineers are recognizing its worth for protecting special hazards in transit bus and rail vehicles, truck fleets, rail equipment, and heavy equipment applications.

Norms such as NFPA 2010: Standard for Fixed Aerosol Fire Extinguishing Systems and UL 2775: Fixed Aerosol Extinguishing Systems Units now govern its use in a wide variety of applications.



SHOWN: MODEL AGX-250

- **Most efficient fire suppression by weight**
- **Effective on A, B & C Class Fires**
- **Negligible residue, minimal clean-up**
- **Non-toxic, EPA listed halon substitute**

Jomarr AGX™ technology is also listed by the USA Environmental Protection Agency as a Halon alternative under its Significant New Alternatives Policy (SNAP) program.

***It has no Ozone Depletion Potential (ODP) and zero effective Global Warming Potential (GWP) meaning AGX™ agent is not prone to future bans like many halocarbon agents.***



## Low Cost of Ownership

NFPA standards and manufacturer guidelines all require regular system maintenance. This is essential to help ensure your suppression system is ready to respond in a fire emergency.

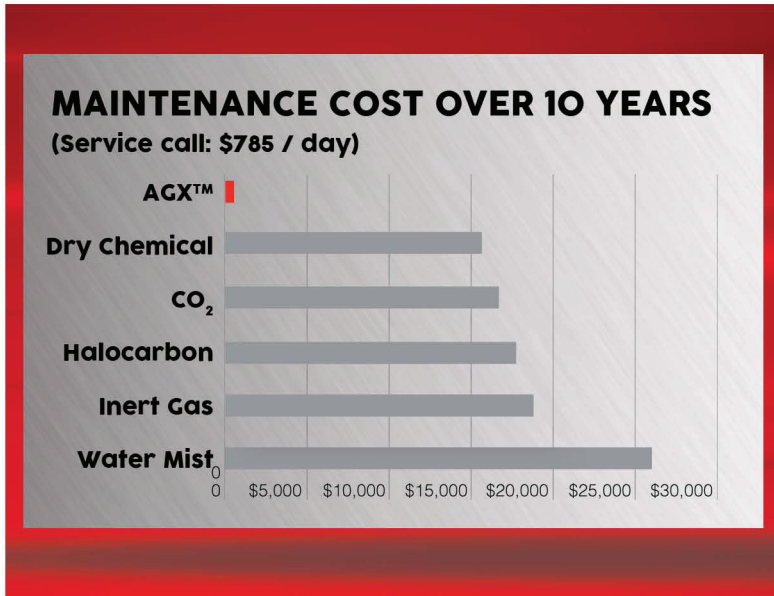
But maintenance costs can be significant over the life of a system and must be considered early on.

Because AGX™ fire suppression has no distribution piping or pressurized agent vessels, maintenance activity is minimized. This dramatically decreases total cost of ownership compared to other systems.

TECHNOLOGY	KEY MAINTENANCE TASKS	INTERVALS
Water Mist	Flow alarm & drain test	Quarterly
	Clean or replace screens	Semi-annual
	Nozzle water test flow	Annual
	Valve tear-down, inspect	5-years
Halocarbon	Test FACP actuation, weigh cylinders	Semi-annual
	Blow out piping	2-years
	Hydrostatic test hose	5-years
Dry Chemical	Test FACP actuation, blow out piping	Semi-annual
	Tear-down & replace agent	6-years
CO <sub>2</sub>	Test FACP actuation, check pressure & agent quantity	Semi-annual
	Hydrostatic test cylinder, refill unrecovered agent	5-years
Inert Gas	Test FACP actuation, check pressure & agent quantity	Semi-annual
	Hydrostatic test cylinders, refill unrecovered agent	5-years
<b>AGX™</b>	<b>Test FACP actuation, examine AGX hardware</b>	<b>Semi-annual</b>

The number of required maintenance tasks, their complexity and frequency determine costs over time. Tasks shown above are taken from UL-listed design, installation, operation and maintenance manuals from various manufacturers.

By comparison, AGX™ system inspection and maintenance has fewer tasks, saving both time and labor.



## Vehicle and Equipment Fleet Operators and Fleet Maintenance Departments are Switching to Jomarr AGX!

Fire safety professionals who do cost-to-benefit risk analysis quickly realize AGX™ fire suppression is the most economical system, offering the most effective fire protection, for many special hazard applications.

The inherent flexibility of design combined with equipment and labor savings allows them to enhance coverage for currently protected assets and add coverage to previously neglected areas.



1000 Meade Street Plaza  
P. O. Box 309 ■ Dunmore, Pennsylvania 18512 USA  
Ph. (570)346-5330

[www.jomarrproducts.com](http://www.jomarrproducts.com)

