



AUTOMATIC

FIRE SUPPRESSION

AQUEOUS-BASED / GAS-BASED



 **MAROTTA®**

We're in Control

Millisecond Operation for Enhanced Survivability

Our Automatic Fire Suppression System (AFES) is specifically designed for combat vehicles, to enhance survivability against fires caused by IEDs and penetrating munitions. The system can disperse aqueous-based or gas suppressants in **less than 10 milliseconds**.

When using the Firebane™ aqueous-based suppressant, the crew members have the added benefit of Firebane's fast-acting super-cooling properties, which return the burning materials to ambient temperature in seconds.

Firebane™ has been recognized by the US Environmental Protection Agency (EPA) as an approved alternative to Halon and has been added to their list of alternative products under their Significant New Alternatives Policy (SNAP) program.

Combat Proven Technology

For decades, our heritage valve and bottle dispersing system has been saving lives on the Abrams, Bradley Fighting Vehicle, M113, as well as Australian, Saudi and South Korean armored vehicles. **Over 70,000 units** of this heritage system (using the agent Halon 1301) have been produced.

Today, we are proud to offer this combat-tested dispersing system featuring **non-toxic and eco-friendly** aqueous-based or gas-based fire suppressants.

Suppresses All Types of Fire

This system is capable of suppressing all possible types of fire, large or small, including tire fires which are extremely difficult to extinguish.

Aqueous-Based Suppressant

Developed to enhance survivability and protect crews, our system offers the suppressant Firebane™, the first and only aqueous-based agent to be certified to UL standards for Class A, B and D fires, suppressing fire faster than any other product on the market. Completely green, environmentally safe and non-toxic, Firebane™ is the only liquid Class D certified, readily biodegradable agent in the world.



Automatic Fire Suppression System

- <10 Millisecond Response Time
- Aqueous-Based Non-Toxic Solution
- Gas-Based Capable
- Combat Proven Technology
- Solenoid Operated Valve
 - Operating Pressure - 600 psig
 - Electrical - 24 vdc
 - Seat Material - Ethylene propylene
 - Seal Material - Ethylene propylene

Each valve comes equipped with an integral pressure gauge, fill valve and relief rupture disc, and electrical receptacle. The 1-1/2 inch port can be fitted with dispersion nozzle or connected to the vehicle distribution manifold. Bottle size variable with required amount of agent.

Sensors and system controllers can also be provided as part of the overall AFES system, or procured separately depending on specific customer requirements.



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WHEN IT COMES TO
SPECIALTY FLUID CONTROLS
WE'RE IN CONTROL