FIRE SUPPRESSIONS SYSTEMS
PATENTED

First Responder

Features

- Offers significant fire "knockdown" and rapid suppression capabilities for enclosed spaces
- Environmentally friendly – No ozone depletion potential - No global warming potential
- Favorably reviewed by EPA for SNAP listing
- Safe for fire fighters and any occupants trapped by fire
- No oxygen depletion – suppresses at very low concentrations by interference with free radicals
- Provides a reliable, cost effective fire protection tool for a wide range of fire scenarios
- Small, compact, and easily portable to point of attack

Applications

The **First Responder** is a new and innovative tool designed to aid in the suppression of fires and for use as a personal protection device for fire fighters in emergency egress or entrance situations. It is physically and functionally similar to a smoke grenade - with the major difference that it delivers a highly effective aerosol fire suppression agent - Stat-X.

Typical application scenarios include:

Scenario A—Police arrive at the scene of an early stage fire. After assisting in getting people out and before firefighters arrive at the scene, toss **First Responders** into the rooms which are involved with the fire. This will buy time for further rescue and for the firefighters to arrive.

Scenario B—Firefighters are concerned about potential flashover from a fire down a hall and water isn't yet available. The firefighters toss **First Responders** ahead as they advance to eliminate many of the contributing factors of a flashover.

Scenario C— A firefighter is trapped or can't get to a victim due to an intense area of fire. Toss a **First Responder** into the flame area for immediate fire suppression. The **First Responder** creates a "bridge" of protection for both victim and fire fighter.

Operation / Description

The small size of the **First Responder** makes it easily portable. In the event of a fire, **First Responder** units are activated by removing the safety clip and pulling the ring pin. The unit can then be thrown near the fire - where it will actuate following a 5 second time delay. Upon activation, the **First Responder** produces an exceptionally effective, ultra-fine, potassium based aerosol that provides extremely fast knockdown and rapid suppression of fires. On an agent weight basis, *Stat-X* aerosol is significantly more effective than other agent alternatives. It does not reduce the oxygen levels. Fire suppression is achieved through interference between the ultra-fine aerosol particulate and the flame's free radicals – terminating propagation of the fire. The agent will hang in suspension after delivery providing ongoing suppression capabilities.

Coverage:

Coverage will be dependent on the specific characteristics of the situation encountered – class of fire, level of involvement, areas of potential leakage, etc. Tests have shown significant suppression effects up to an 8 ft high 10ft x 10ft room - around 20 cubic meters. More units would be required for a larger volume or spaces with excessive leakage. The aerosol flows and spreads rapidly throughout the volume - in a manner similar to a gas. However, since the aerosol is buoyant, more may be required in a high ceiling situation. The First Responder is most effective when thrown directly at or near the fire.

General Specifications:

Model	First Responder 500	
Aerosol Mass (kg), (lbs)	0.50	1.10
Ship Wt./Unit Packaging - (kg),(lbs)		
Single	1.22	2.70
Standard 4 Pack		
	5.00	11.00
Length:		
Unit	142.9	5.625
(with actuator) (mm), (in)	174.6	6.875
Diameter (mm), (in)	80.98	3.188
Delay Timer (meantime in seconds)	5.0	
Discharge Time(sec)	20.0	

For additional information on the use of **First Responders** or *Stat-X* systems, please contact your local Distributor or Fireaway LLC.

Operation / Storage Parameters:

- Operating Temperature -29° C to +96° C (-20° F to +140° F)
- Storage Temperature -54° C to +74° C (-65° F to +165° F)
- Relative Humidity up to 98% at +35° C (+95° F)

Transportation Classification:
- Classification Code: 1.4S
- UN Identification #: UN 0432
- Packaging Group: PGII
- Shipping Limitations:
  - o Ground: None
  - o Max. weight per unit packaging -   Cargo Air 100 kgs (220 lbs)
  - o Max. weight per unit packaging -   Passenger Air 25 kgs (55 lbs)

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Call to discuss your specific requirements with one of our professionals.