



**Stat-X**<sup>®</sup>  
**First Responder**<sup>®</sup>  
PATENTED

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## Features

- Offers significant fire “knockdown” and rapid suppression capabilities for enclosed spaces
- Environmentally friendly – No ozone depletion potential - No global warming potential
- Stat-X approved under SNAP program by EPA
- 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:

#### **FIRE FIGHTER**

**Scenario A** - Firefighter arrives at the scene of an early stage fire. After evacuating people and before additional resources arrive at the scene, toss a Stat-X First Responder into the rooms which are involved with the fire. This will buy time for further rescue and for firefighters to lay hose.

**Scenario B** - Firefighters are concerned about potential flashover from a fire down a hall and water isn't available yet. Toss a Stat-X First Responder ahead of the firefighters 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 Stat-X First Responder into the flame area for immediate fire suppression.

#### **POLICE**

**Scenario A** - Police arrive at a vehicle fire as a result of an accident. There are occupants trapped in the burning vehicle and the fire department has not yet arrived. Break a window, toss The Stat-X First Responder into the vehicle to knock down the fire and remove the occupants.

**Scenario B** - SWAT arrives on site and must deploy "flash bangers" into an area to stun criminals. These flash bangers often ignite combustibles. Toss a Stat-X First Responder into the flame area for immediate fire suppression for entry or to suppress fire while awaiting the arrival of the fire department.

#### **ENERGY COMPANY EMPLOYEE**

**Scenario A** - The worst case – fire erupts in a manhole with worker stuck in the manhole and either incapacitated or unable to escape though the flames. Co-worker immediately deploys First Responder and tosses it into the manhole away from the trapped worker. It will suppress/extinguish the fire, buying time for evacuation or power shutdown.

**Scenario B** – Underground transformer fire or any below grade enclosed space fire. Just twist and pull the ring, toss First Responder in. Deploy another as necessary to suppress/extinguish the fire reducing damage and downtime

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# Stat-X<sup>®</sup>

## First Responder<sup>®</sup>

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### 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 a twist and pull of the ring pin while holding the unit securely. The unit can then be thrown near the fire - where it will actuate following a 4 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 10 ft x 10 ft 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	.96	2.12
Standard 4 Pack	4.31	9.5
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)	3.5	
Discharge Time(sec)	20.0	

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

### Operation / Storage Parameters:

- Operating Temperature -29° C to +60° C (-20° F to +140° F)
- Storage Temperature -40° C to +60° C (-40° F to +140° F)
- Relative Humidity up to 98%

### Transportation Classification:

- Classification Code: 1.4S
- UN Identification #: UN 0432
- Packaging Group: PGII
- Shipping Limitations:
  - o Ground: None
  - o Cargo Air: Maximum weight per unit packaging - 100 kgs
  - o Passenger Air: Maximum weight per unit packaging - 25 kgs

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Made in the USA.

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