incite fire

Stat-X® Aerosol Fire Suppression

Your Choice for Special Hazard Fire Protection

NSW 02 9644 7144 QLD 07 3252 5366 VIC 03 9544 2211 WA 08 9349 2972

Traditional Special Hazard Fire Protection

Centers Around Two Technologies

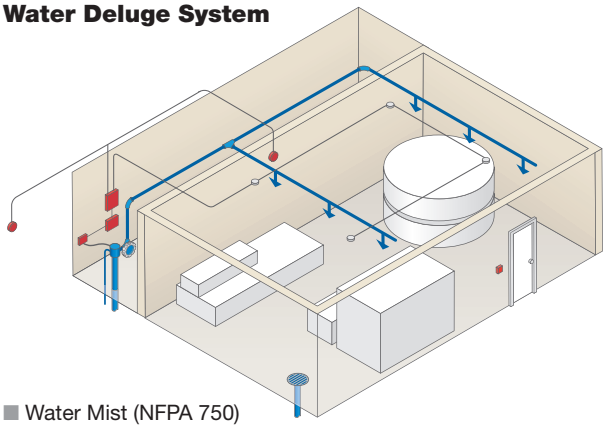
Water deluge and chemical agent fixed systems protect high value assets and processes not possible with sprinkler-based fire protection.

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

Traditional piped systems require costly installation adaptations like:

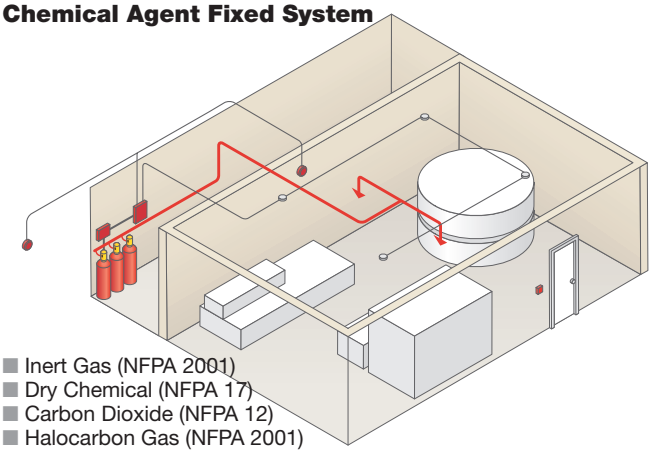
- Extra space for agent containers and piping
- Robust fixtures to handle weight and discharge
- System isn't easily reconfigured if space changes
- Extensive and frequent maintenance burden
- Special measures for recharging at remote sites

Water Deluge System



- Water Mist (NFPA 750)
- Foam-water spray (NFPA 16)

Chemical Agent Fixed System



- Inert Gas (NFPA 2001)
- Dry Chemical (NFPA 17)
- Carbon Dioxide (NFPA 12)
- Halocarbon Gas (NFPA 2001)

Stat-X® Aerosol Technology

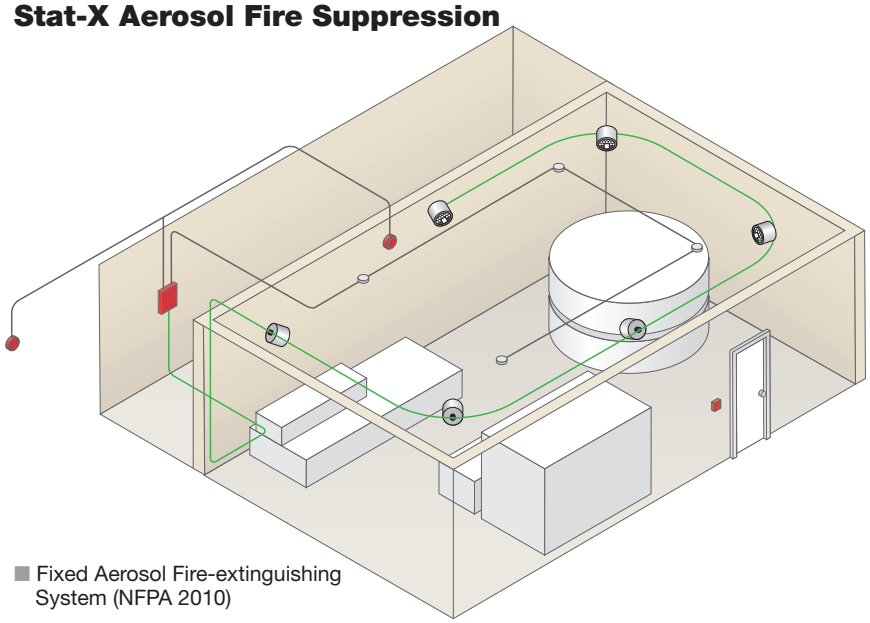
An Effective and Economical Alternative

For safety professionals who need effective and economical special hazard fire protection, Stat-X aerosol technology delivers up to 35% savings in equipment and lifecycle costs compared to traditional systems. This is due to lower initial expense plus minimal ongoing service costs.

Stat-X aerosol technology is different:

- NO distribution piping, manifold, or nozzles
- NO floor space requirement or shoring up for weight
- NO special handling for compressed gas cylinders
- NO venting or ceiling tile clips for discharge forces
- NO solenoid actuators, control heads, or hoses
- NO water drains or pipe freeze protection
- NO system pressurization or room integrity tests

Stat-X Aerosol Fire Suppression



- Fixed Aerosol Fire-extinguishing System (NFPA 2010)

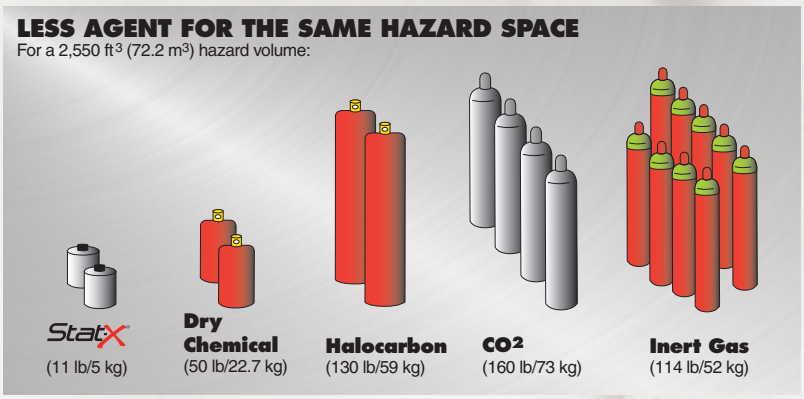
How it Works

Stat-X devices 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 Stat-X 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 Stat-X agent particles (≤2 µm) remain in suspension afterwards, helping check re-ignition
- Post-fire area can be vented, 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.



- ***Most efficient fire suppression by weight***
- ***Effective on A (surface), B, and C Class fires***
- ***Non-toxic, EPA listed halon substitute***

Key Approvals Worldwide

Aerosol fire suppression technology is well-known throughout Europe and Asia. In the past few years, more fire protection engineers in the Americas are recognizing its worth for protecting special hazards.

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.

Stat-X technology is also listed by the USA Environmental Protection Agency as a total flooding system for use in normally occupied and unoccupied areas under its Significant New Alternatives Policy (SNAP) program.

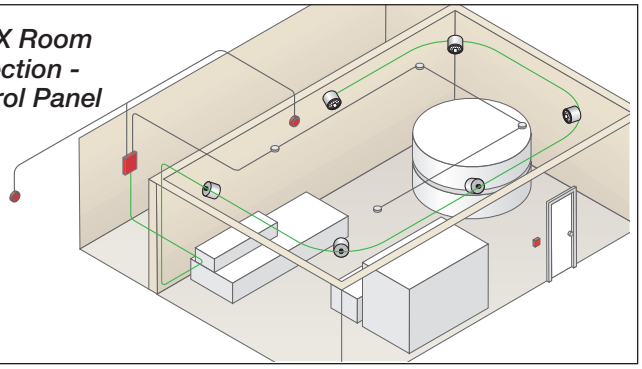
It has no Ozone Depletion Potential (ODP) and zero effective Global Warming Potential (GWP) meaning Stat-X agent is not prone to future bans like many halocarbon agents.

Wide Range of Solutions

By Size and Activation Type

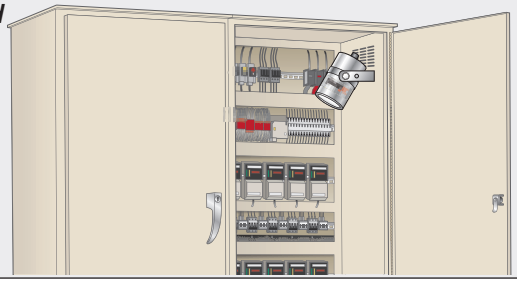
Electrical Series

Stat-X Room Protection - Control Panel



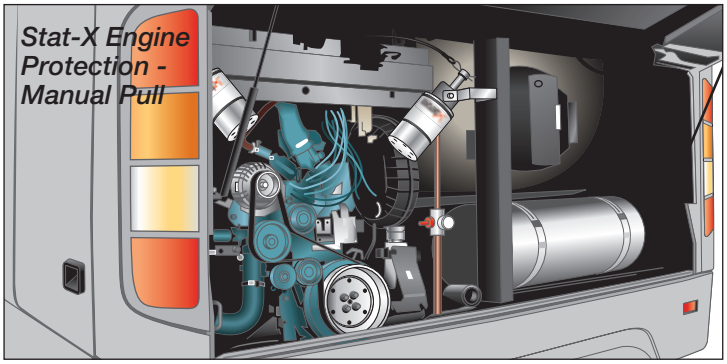
Electrical Series for Classified Hazardous Areas

Stat-X Cabinet Protection - Thermal Head



Thermal/ Manual Series

Stat-X Engine Protection - Manual Pull



Stat-X First Responder®

Stat-X Confined Space Protection - Hand-deployed

Compatible With Popular Control Panels

Stat-X aerosol generators use the same actuation methods as other special hazard fire systems:

- simple manual release,
- automatic thermal release, or
- sophisticated electronic detection and control

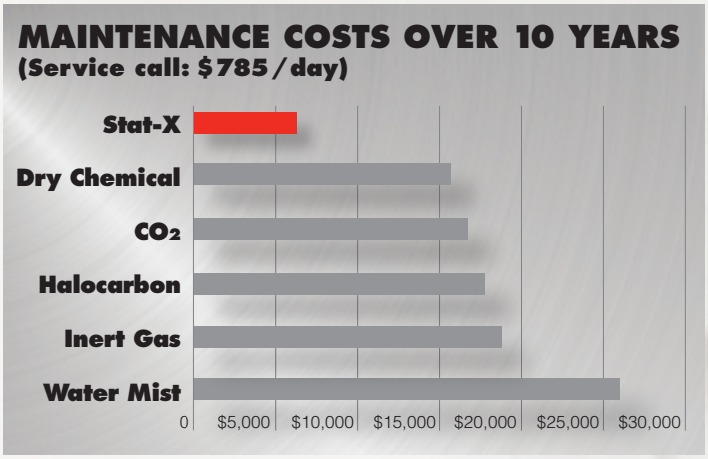
Compatibility with many manufacturers' UL listed agent release panels means Stat-X fire suppression can integrate into networks for central reporting or to mass notification systems per NFPA 72 National Fire Alarm and Signaling Code.

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 Stat-X 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_2	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
Stat-X	**Test FACP actuation, examine Stat-X hardware**	**Semi-annual**

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, Stat-X system inspection and maintenance has fewer tasks, saving both time and labor.

Fire Professionals Are Switching to Stat-X!

Fire safety professionals who do cost-to-benefit risk analysis quickly realize Stat-X 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.

What Our Customers Are Saying

“Stat-X protecting one of our CNC machines discharged due to fire, suppressing it. The area was unmanned and the automatic system stopped the fire from spreading. We were up and running again fast!”
- Manufacturer, Geneva, IL

“It works wonders. One Stat-X First Responder® knocked down the fire. They are life savers.”
- Firefighter, Deer Park, NY

“After researching available special hazard systems for the very best protection as well as compliance with safety and environmental issues we found Stat-X technology as the product leader.”
– Engineer, Leicestershire, UK

Quality You Can Count On

Our high quality aerosol fire suppression generators are built to last and built to be effective. Their outstanding fire suppression performance and long service life is rooted in meticulous manufacturing practices.

- Proprietary fire suppression compound is precisely formulated, milled and blended from the best reagent grade chemicals
- Architectural grade stainless steel and an impervious metallized membrane create a highly corrosion and oxidation resistant housing
- Manufacture to the tightest engineering tolerances and tested to MIL-STD-810 so units resist environmental effects and temperature extremes
- Partner with leading fire panel makers to ensure full detection and control integration with Stat-X hardware
- State-of-the-art processes are regularly audited and inspected by certified third parties
- American Bureau of Shipping
  - Bureau Veritas
  - Underwriters Laboratories
- Fireaway's Minnetonka facility implements a Management System, certified by QAS according to Standard - ISO 9001:2015. Certificate number: US2635.

Our Mission: Protect Lives and Property

This is what we do.

Our team has decades of experience in special hazard fire protection and is dedicated to finding the most effective and economical ways to apply aerosol fire suppression technology in the widest range of applications.

Contact us. Let's work together to protect lives, property, and fight off the disruptive costs of fire at your business.

Stat-X® Aerosol Fire Suppression