



Mining and Tunnel Fire Protection



THE RISK: Fires in Mines and Mining Vehicles

Life-threatening and dangerous fires occur frequently in the round-the-clock, punishingly demanding and gritty mining environment. Protecting surface vehicles, mobile equipment, and electrical components from fire is made even more critical due to the presence of large quantities of flammable diesel fuel, hydraulic fluids and lubricating oils. Hot exhausts and turbo chargers often combined with electrical hazards provide the necessary ingredients for a fire to erupt, causing extensive damage to equipment, loss of production, and potential injury or death.

THE SOLUTION: Stat-X Fire Suppression

Advanced Technology

Stat-X highly-advanced fire suppression technology offers the most compact and economical fire extinguishing solution available for the mining industry. A Stat-X unit consists of an extremely rugged, hermetically sealed, stainless steel canister containing a stable, solid aerosol-forming compound. The canister is durable and non-pressurized, and is capable of withstanding the harsh, corrosive environment of a mine. In the event of a fire, the Stat-X units release ultra-fine particles and propellant inert gases which quickly and effectively extinguish fires without depleting oxygen levels and with no negative impact on the environment.



Stat-X® extinguishing units are compact and modular

Versatile Solution

Stat-X units are available either as electrically activated units which can be integrated with a variety of fire detection and control systems, or as thermally-activated units, requiring no external power source. Stat-X units are capable of protecting all high fire-risk component areas of a mine, including engine compartments, hydraulics compartments, generators, pumps, electrical systems and compartments of heavy equipment vehicles, draglines, shovels, drilling jumbos, switch gear rooms and control rooms.

Highly Economical

Stat-X® generators are highly compact yet extremely effective fire suppression units. They are easy to install and require very little maintenance. The units do not have any pressurized cylinders and no pipework is required to distribute the aerosol fire suppressant throughout the special hazard areas. This simple and robust design significantly saves maintenance costs. In the case of a fire and discharge, downtime, cleanup and repair costs are kept to a minimum. Stat-X units may also be replaced quickly and easily, further reducing costly delays in the event of a fire.

Key Benefits of Stat-X Fire Suppression Technology

- Highly effective fire suppression
- Compact, light and durable, 90% less weight and space required compared to alternative suppression systems
- Rugged stainless steel construction
- Virtually maintenance-free
- 10+ year service life
- Easy to install
- Easy replacement, no recharging or refilling
- Minimal residue after discharge
- Non-toxic (when designed and operated to listing requirements)
- Reduced downtime for mining operations
- Environmentally friendly – Zero Ozone Depletion and Zero Global Warming Potential
- UL and multiple international approvals and certifications (see below)



Heavy mining vehicles



Electrical cabinets



Electrical generator

Mining Stat-X Fire Suppression Applications:

- Vehicle engine compartments
- Electrical equipment and cabinets
- Shovels, dragline excavators, mobile tools
- Switch and control rooms
- Pumps and generators
- Drilling jumbos
- Transformer rooms
- Ventilation controls



Mining transformers



Mobile mining substation and switch gear



Electrical substation



Tunneling equipment

Stat-X Technology Protects Critical Infrastructure Worldwide

Today there are thousands of Stat-X installations protecting lives and property on six continents.



Approvals, Listings, and Certifications

The advanced technology used by Stat-X products is covered by NFPA® 2010 Standard for Fixed Aerosol Fire-Extinguishing Systems. Current approvals are shown below and more are pending. Contact your Stat-X representative for details, limitations, and the latest listings.



Committed to Quality and Technology

Stat-X® is manufactured by Fireaway Inc., an ISO 9001 certified company with USA manufacturing in Minnetonka, MN and Minden, LA. Application questions? Contact an authorized dealer or Fireaway direct.

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Part No. 19058 5/16