



## Fire Protection for Mobile Mining Equipment

Prepare for the worst. Protect with the best. Whether on the surface or underground, mine operators rely on their equipment to run around-the-clock in extreme temperatures and harsh environments. ANSUL® automatic fire suppression systems and portable extinguishers are designed to help keep your equipment rolling and your operations running. Our passion for protection is what drives our innovators to find even better ways to help protect your valued employees and assets from fire.



### Suppress fires and help prevent reflash

Mobile mining equipment operates virtually non-stop with flammable liquids flowing through pressurized lines within inches of super-heated engine blocks. The ANSUL LVS

Fire Suppression System provides both fire suppression and superior cooling of superheated surfaces while blanketing the fuel and cutting off oxygen to help prevent reflash. The liquid agent flows readily into hard-to-reach areas along the same path flammable liquids may have traveled. Additional features include tank capacities of 5 gal to 30 gal (18.9 L to 113.6 L) and an effective operating range of -40°F to 140°F (-40°C to 60°C).



### A versatile way to safeguard people and assets

With its color-coded, plug-and-play connectors, the rugged and flexible CHECKFIRE 210 Detection and Actuation System features two, supervised detection circuits configurable for single-zone detection, two-zone detection, cross-zoned detection, discharge pressure feedback monitoring or alarm only. The CHECKFIRE 210 offers linear detection wire and spot thermal detection that can be used individually or in combination.



### Double duty protection for mobile equipment

The combined performance of the ANSUL A-101/LVS Twin-Agent Fire Suppression System provides protection where equipment works 24/7 in rugged mining environments. While the A-101 dry chemical knocks down flames, the LVS agent cools surrounding areas, helping to minimize the possibility of reflash.



### Designed for versatile agent discharge

The ANSUL A-101 Fire Suppression System is ideal for use on non-road surface and underground mining equipment. The system discharges proven FORAY multipurpose dry chemical agent, quickly knocking down and suppressing Class A, B and C fires. The A-101 fixed nozzle system can be designed to flood entire volumes with dry chemical agent or discharge directly at specific high-hazard areas.



### Protect hard working heavy equipment underground

The CHECKFIRE MP-N (Mine Permissible) Detection and Actuation System is designed to withstand shock and vibration and can be utilized as a self-contained unit, powered by an internal lithium battery. The system, which meets MSHA approvals for use in underground mines (Permissible Applications in Explosive Methane/Air Applications), also features supervised circuitry, adjustable shutdown and discharge time delays.



### Protect the control rooms of megaclass machines

The INERGEN and SAPPHIRE Clean-Agent Fire Suppression Systems use a clean, electrically non-conductive agent designed for use with sensitive electrical equipment found in the control rooms of large equipment.



### Fight fires in the earliest stages

RED LINE Cartridge-Operated Fire Extinguishers and RED LINE Wheeled Fire Extinguishers provide powerful and portable fire protection in tough mining environments. These highly mobile extinguishers offer fast, one-step actuation and one person operation. Heavy-duty vehicle brackets provide reliable mounting of the extinguisher for easy access and proper placement on mobile equipment.



### Firefighting foam for Class-A hazards

In a 0.1% to 1.0% solution, SILV-EX PLUS Fire Control Concentrate provides the excellent penetrating, wetting, cooling and blanketing characteristics needed to combat tough Class-A fires. SILV-EX foam can be applied using a foam-water sprinkler system or manually using various portable foam discharge devices.

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