

Eclipse®

Fire suppression for surface
and underground mining



Set new safety standards with Eclipse® FS

- Proven to safeguard lives and enable safe and sustainable operations within the harshest operating conditions.
- Eclipse® FS combines innovative technology with tailored solutions and exceptional support to deliver critical safety systems you can rely on in high-risk environments.



Safeguard your operations

Up to
30% more effective on
superheated surfaces than
dry chemical alternatives.

Up to
50% reduced clean-up time
compared to traditional
systems on average.

Designed for
100% reliability, improving
safety and minimising
the risk of down-time.

Designed to protect. Proven to deliver.

Eclipse® FS automatically detects, activates and shuts down machines in the event of a fire, targeting all three elements of the fire triangle to significantly reduce the risk of damage and injury.

The technology is rigorously tested and withstands extreme temperatures, providing consistent and reliable protection across all applications and brands.

When activated, foam discharge continues for a minimum of 50 seconds to effectively cool superheated surfaces, preventing re-ignition.

Unlike systems that rely on the injection of high-pressure gas, the Eclipse® FS engineered loss-of-pressure activation concept cannot be compromised. Once the stored pressure is released from the activation circuit, the system discharges through the patented control valve to take control of the fire.

Automated activation

The system does not rely on electronics, batteries or sequencing mechanisms to activate, making activation reliable and instantaneous.

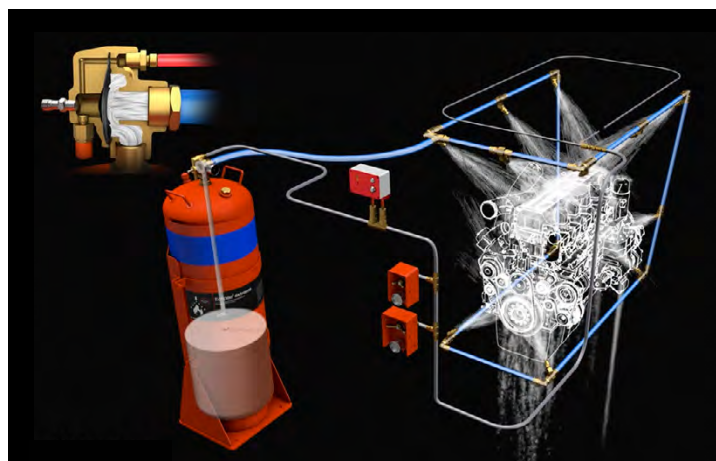
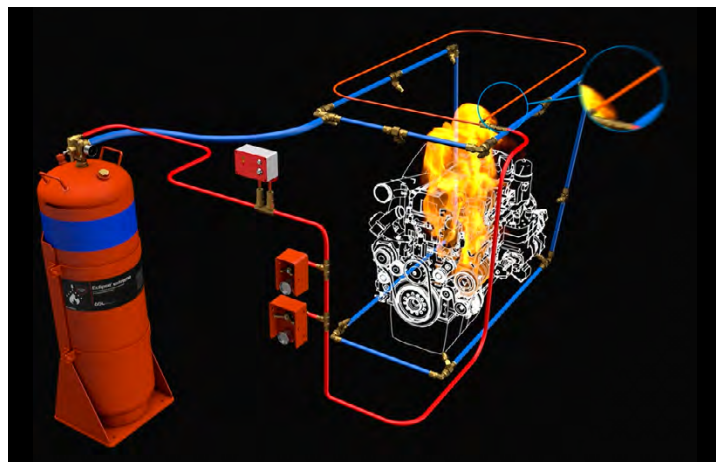
Informed at all times

Pressure monitoring switches are fitted in the activation circuit to provide warning alerts for the operator and engine shutdown on system discharge.

A visual check of the systems status is available from the status panel of the pressure indicators mounted in the operators cabin, on the control valve and all activation points.

Simple operation

No moving or sacrificial parts are in the unique diaphragm control valve. The system can be discharged and re-filled easily for commissioning or servicing, just add foam and water.



Setting the sustainability standards

Eclipse® FS is built with fluorine-free technology to support both durability and environmental responsibility.

Unlike fluorine based (AFFF) foams which may persist as a hazardous substance in the environment for thousands of years, Eclipse® FS can simply be rinsed off and re-filled to maintain production availability.



Protection built for your needs

Flexible and comprehensive protection

Customisable options to provide safety solutions for both mobile and fixed applications across all industries, applications and temperatures including surface and underground mining.

Automated reliability

Auto-detection, activation and engine shutdown processes to ensure a rapid response to fires with a loss of pressure, fail to safe design.

Ease of maintenance and operations

Low-impact maintenance schedule and equipped with standard features and rapid recharge for increased up-time.

OEM compatible

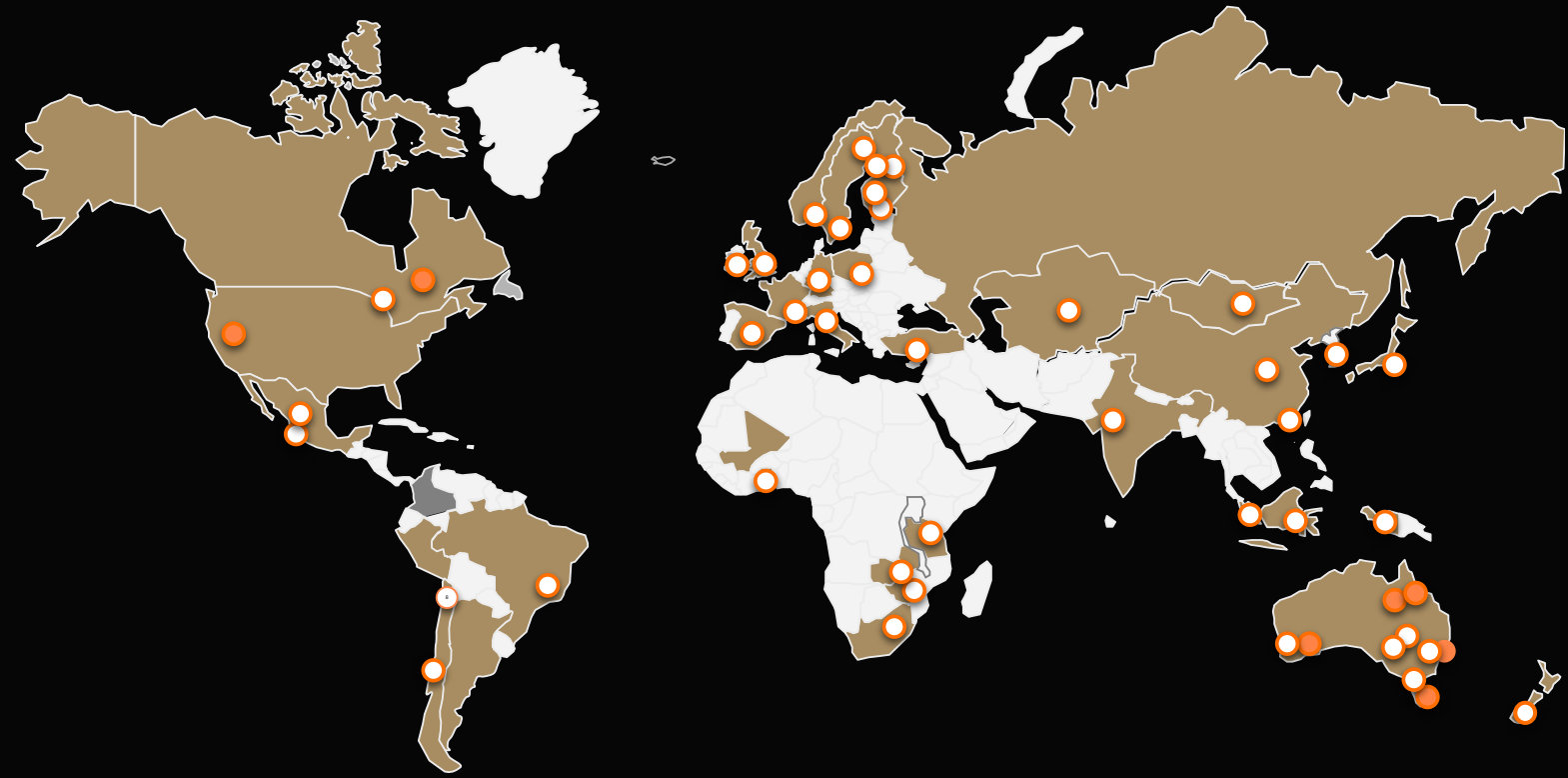
OEM factory and aftermarket installations are available and AutoMine® compatible.

Low Total Cost of Ownership (TCO)

Certified and supported

Eclipse® FS meets global certifications and accreditations, with training frameworks and global support provided.





Manufactured locally and supported globally!

Eclipse® FS components are manufactured within Australia, with assembly taking place in Brisbane.

Our team of accredited Sandvik technicians are available across the world where they can assess, design, install and service a full range of fire suppression systems on any site.

To protect operators and prevent damage to equipment, it's crucial that fire suppression systems are well maintained and we encourage customers to access the following services:

- Inspection and servicing of fire suppression systems
- Inspection and hydrostatic testing of fire suppression tanks
- Fleet compliance assessment services
- Fire Risk Assessment for new and used mobile equipment
- Training for operator and maintenance teams

