

VEHICLE SUPPRESSION SYSTEM

'Protecting your high value assets against fire risk'



Vehicle Suppression Systems are indirect systems consisting of cylinders, hydraulic fire suppression hose as well as specialised discharge nozzles and are installed in engine compartments of heavy- and light duty vehicles, buses and armoured vehicles to suppress fires. Additionally, automatic water mist suppression systems may be installed in the cab of the vehicle to shield the operator from heat and smoke. The system is used in conjunction with I-PROTECT linear heat detection tubing for reliable activation. The system cools down the affected vehicle components to a safe working temperature, through effective nozzle placement design.

The **Vehicle Suppression Systems** for engine compartments utilise a foam additive to ensure enhanced effectivity for hydrocarbon applications.

APPLICATIONS & USES



- Shovels
- Graders
- Charge cars
- Front end loader
- Dump trucks
- Drill Rigs
- Buses
- Excavators
- Haulage trucks
- Crawlers
- TLB's
- Forklifts
- Vehicle hydraulics
- Armoured vehicles

Technical Specifications

| Specification | Value | |
|-----------------------------------|-----------------|-------------------------|
| Operating pressure | 1 700 kPa | |
| Min and max operating temperature | I-CAT Standard | 5°C to 60°C |
| | Sub-zero | -40°C to 60°C |
| Available system sizes | I-CAT Standard | 16L, 25L, 30L, 50L |
| | In-cab (Manual) | 10,2L |
| Extinguishing Agent | I-CAT Standard | Water & CLEAVOS AFFF 1% |
| | In-cab (Manual) | Water |

BENEFITS

- Capable of suppressing fires in the cab of the vehicle, reducing the risk of injury and loss of life
- Suppresses all types of fires that may occur in the engine compartment
- Automatically or manually activated in the event of a fire
- Significantly reduces fire damage on a vehicle due to the quick response and reliability of the I-PROTECT linear heat detection tubing
- Prevents re-ignition once the fire is suppressed
- Creates a three-dimensional mist environment in the engine compartment, completely enclosing component at risk
- Suitable for vehicles operating in harsh environments such as mines
- Withstands extreme vibrations caused by rough roads
- Utilises a minimal quantity of cylinders ensuring no obstruction to the operation of the vehicle
- The system can be connected to any fire alarm system on the vehicle

