



Light & Heavy Vehicle Fire Suppression Systems

Protecting People & Property

WORMALD



Your best defence against the threat of vehicle fire

In the enclosed space of an engine compartment, fires start easily. Combustibles or flammable liquids can be ignited by the engine, turbo charger, exhaust manifold, electrical components or brakes and have the capacity to destroy your vehicle with frightening speed.

Another danger occurs where a burst hydraulic hose or faulty fitting provides a continuous spray of burning fluid. In cases like these the consequences can be devastating.

Wormald's Vehicle Fire Suppression Systems are your best defence against the threat of vehicle fire. Our foam-water spray system discharges super-fine water spray droplets that rapidly extinguish flames and dramatically cool hot vehicle surfaces. At the same time the foam additive, Aqueous Film Forming Foam or AFFF, smothers fuel and oil-spill fires, preventing re-ignition.

Our systems don't just minimise fire damage, they provide you with priceless peace of mind that your business can continue in the event of fire.

Heavy Vehicle Fire Suppression System – HVFS
Wormald's Heavy Vehicle Fire Suppression System, or HVFS has been developed for the suppression of fires occurring in the engine and transmission compartments, brakes and hydraulic areas of

mining, quarrying, construction, waste disposal, and forestry vehicles.

Features

- > Suits all vehicles
- > High-pressure foam-water spray nozzles
- > 6% AFFF concentrate additive
- > Built-in overpressure safety device
- > Corrosion resistant
- > Automatic, manual and remote operation available
- > Low maintenance

Benefits

Our fire suppression system is the only heavy vehicle system that is third party tested and approved by the Scientific Services Laboratory (SSL), a fire protection equipment approval laboratory run by the Commonwealth Scientific and Industrial Research Organisation (CSIRO).

Because Wormald's Heavy Vehicle Fire Suppression System is subject to comprehensive third-party testing for shock, vibration, temperature and salt spray, you know you are purchasing a superior product. Moreover the quality of the CSIRO's third-party testing is well-recognised by the insurance industry.

Pneumatic or electrical operation

The HVFS detects fire by electrical or pneumatic means.

Fact: Our HVFS system is the only heavy vehicle system that is third-party tested and approved by SSL.

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Comprehensive fire protection for your vehicles

Fact: One out of five fires involves motor vehicles and, more worryingly, one out of eight fire deaths result from a motor vehicle fire.

The pneumatic system operates automatically – shutting off the engine while simultaneously releasing the fire-suppression agent. Actuation occurs where there's loss of pressure, so no electrical power is required to operate the system.

The electrical system operates through the use of nitrogen-charged cartridges that discharge automatically in the event of a fire. The system can be disarmed quickly and safely so maintenance is easy.

Once actuated, both systems discharge a continuous stream of foam-water spray for approximately 60 seconds to contain the fire while the machine is safely brought to a stop. The foam-water extinguishing agent, released through fixed discharge hoses and specifically positioned nozzles, quickly covers all surfaces to suppress the fire.

The system incorporates stainless steel foam storage cylinders, brass discharge valves, stainless steel tube and steel-braided hydraulic hose. Each brass discharge nozzle is fitted with a stainless-steel blow-off cap to prevent blockage.

The system can also be recharged on the spot without the need for special tools or equipment, especially important in remote locations.

Light Vehicle Fire Suppression System – LVFS

Wormald's Light Vehicle Fire Suppression System, or LVFS, has been developed for the suppression of fires in the engine compartments of commercial, 4x4 and recreational vehicles as well as small forklifts.

Fire can have disastrous results, causing personal injury and property damage. Vehicle fires are particularly dangerous and more common than many people might assume. According to the US Fire Administration FEMA, one out of five fires involves motor vehicles and, more worryingly, one out of eight fire deaths result from a motor vehicle fire.

The LVFS has been designed to effectively suppress all fires in engine spaces up to 1.5m³ in volume. Where the engine space is larger than 1.5m³, an additional cylinder can be added with a maximum system limit of two cylinders.

Features

- > Suits all motor vehicles
- > 6% AFFF concentrate additive
- > Overpressure safety device
- > Low maintenance system
- > Cylinder pressure gauge
- > Nozzle protection
- > Stainless steel cylinder
- > Steel braided hose
- > Simple to recharge

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We provide emergency service 24 hours a day

Applications

- > Four-wheel-drive vehicles
- > Light commercial trucks
- > Small forklifts

The LVFS is economical and easy to install on most vehicles. With over 115 years of fire protection experience, the quality of the Wormald brand is unmatched.

The LVFS incorporates stainless steel foam storage cylinders, brass discharge valves, steel-braided hydraulic hose and reusable or crimped fittings to ensure the system functions efficiently and safely. Each brass discharge nozzle is fitted with a stainless-steel blow-off cap to prevent blockage. For convenience the foam storage cylinder can be mounted in the vertical or horizontal position.

Unlike many of our competitors' products, the LVFS is available in a range of configurations. These include:

- > Manual actuation
- > Electric actuation with manual override
- > Electric actuation with low pressure / discharge, visual and audible indication and manual override
- > Automatic actuation via fire panel, electric actuation and manual override.

And the LVFS is also the only system that is adequately prepared for the cold New Zealand winter. Wormald has developed a unique product, Minus10, which allows the system to function in temperatures down to minus ten degrees Celsius.

Service

Wormald provides an emergency service 24 hours a day, every day of the year. Just telephone our service centre and we'll take immediate action to ensure that your fire-protection equipment gets the attention it needs as quickly as possible, whatever the hour.

Maintenance

Maintenance should be conducted on a regular basis to ensure that the system operates effectively and safely. Routine maintenance or servicing and refilling can be arranged through your local Wormald office.

Wormald's Vehicle Fire Suppression Systems offer comprehensive fire protection for your vehicle.

Can you afford to be without it?

Contact Us

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