

EXTHINGUISHMENT

The Dafo Vehicle's system is designed in a way to knock out the fire and protect against re-ignition.

The suppression time is usually approx. 1 (one) second.

The discharge time of the agent is approx. 15-20 seconds.

Once the fire is extinguished, the system will efficiently cool down the overheated engine parts and prevent a re-ignition.



AIRFLOW

The Dafo Vehicle's system can be installed in different kinds of machines in various environments and geographical areas.

The system is designed to meet different requirements as it is for example not always possible to shut of the fan-function.

Our system is capable to extinguish fires even if the fan is running.

PROPER DESIGN

The Dafo Vehicle fire suppression system is a well-integrated and effective solution which is based on thorough Risk Assessment, design, installation, documentation with subsequent, training and related services.

The Dafo Vehicle fire suppression system consists of four integrated elements; Detection, Alarm, Suppression and Control which work together in a coordinated, fast and efficient way to suppress fires.

Detection:

The detection system consists of an ultra-reliable Linear Heat Detection Cable routed throughout all high-risk areas inside the engine compartment to ensure early detection of a fire.

Alarm:

The alarm panel placed inside of the operator cabin, will alarm the machine operator upon detection. The machine operator can also release the system manually from the panel. An external alarm, protected but in plain sight, will alarm the machine operator and the staff around the machine by sound and flashlight. If needed, the fire alarm can also be seen from the control room for each machine and the control room operator can release the fire suppression system from this location.

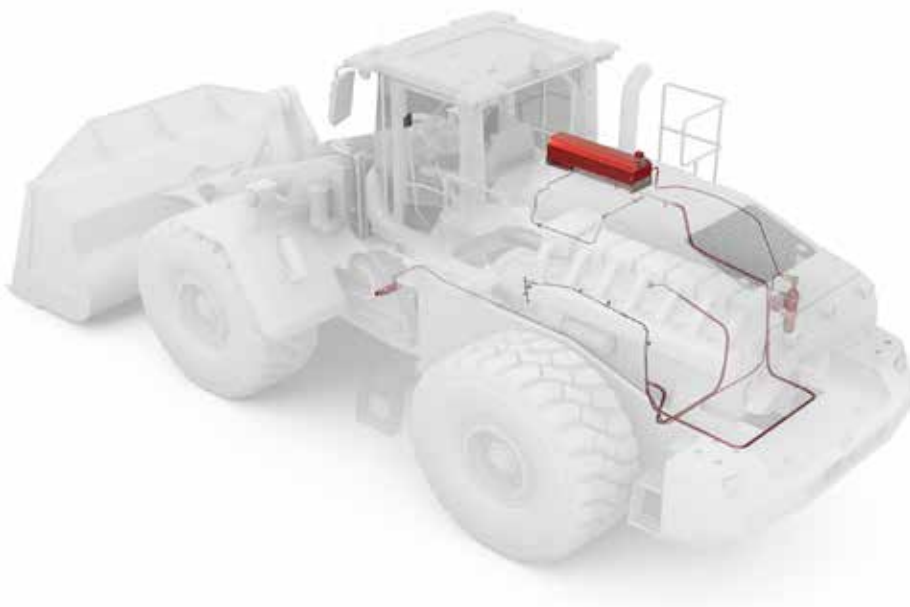
Suppression:

The distribution network is composed of flexible fire resistance hydraulic hoses, stainless steel pipes with full cone nozzles that will protect all areas or specifically locations with many potential fire hazards such as turbo charger, catalytic converter, pumps, fuel lines, generators, transmission belts, filters and hydraulic package.

Control:

Freshly released family of Dafo's new generation control units has following key features:

- Back-up power and no need to replace batteries
 - Real Time Clock and Event Log
- Allows access to full historical data in order to analyze historical events
 - Full compatibility with Dafo's upcoming solutions, including multi-zone CO-detectors
- Model dependent features include:
 - 1, 2 or 3 detections and suppression Zones
 - 1 or 2 CANbus networks (SAE J1939)
 - Up to 4 analogue inputs and 2 digital outputs
 - M12 or MX150 connectors



LOW TCO

The Dafo Vehicle's system is designed to meet the demands of the final user.

According to our strategy, the final user should not suffer of high service & maintenance costs or trouble because of false releases or malfunctions.

A low total cost of ownership (TCO) is an important key factor for every operator. Dafo Vehicle's fire suppression systems, with its superior low maintenance frequency and reliability, contributes to increased profitability through less downtime for the operator.

The annually service can be done within minimum downtime to secure vehicles own productivity.



EASY AND COST EFFECTIVE SERVICE

Year

TO EXCHANGE:	1	2	3	4	5	6	7	8	9	10
9V BATTERY (IF NEEDED)	X	X	X	X	X	X	X	X	X	X
ACUTATOR					X					X
AGENT FORREX										X
NITROGEN PROPELLENT CARTRIDGE										X
PISTON OF THE AGENT TANK										X

CERTIFICATIONS

A tested and certified Vehicle Fire Suppression System in combination with a reliable fire detection system is the best first line of response in case of an emergency such as at a thermal incident. Dafo Vehicle's fire suppression systems are thoroughly tested for fire performance ability and environmental durability such as Electromagnetic Compatibility (EMC), vibration, corrosion and temperature extremes according to international vehicle standards to ensure the highest performance.

Dafo Vehicle Fire Suppression has wide range of global approvals a few are listed below:

Fire suppression system approved as a component with regard to UNECE Regulation No. 107 – Swedish Transport Agency (E5)

P-marked in accordance with SPCR 183 – RSIE Research Institutes of Sweden.

Certificate of Approval of AS 5062 - Global-Mark.

I.S 6278 approved – The standards institution of Israel

AIS-135 approved – ARAI India



TRADE ORGANISATIONS

Dafo Vehicle Fire Protection is also a member of several Trade Organizations, some of them are listed below:

FKG - The Scandinavian Automotive Supplier Association

APTA - American Public Transport Association

UITP - International Association of Public Transport

GPN - Global Passenger Network



TOTAL RISK MANAGEMENT SERVICE PROVIDER

Dafo Vehicle Fire Protection has a well proven implementation process in which we work closely with our customers throughout the whole process.

Dafo Vehicle Fire Protection takes full responsibility for:

- The risk assessment phase
- Adaptation
- Prototype installation
- Documentation/optimization
- Documentation/validation
- Pre-serial installation/training
- Supply chain management
- Serial deliveries
- Service & maintenance

Prior to any installation of fire suppression systems, Dafo Vehicle Fire Protection conducts a fire risk analysis in order to identify potential fire hazards.

Dafo Vehicle Fire Protection always optimize the fire protection solution for the vehicle. Much effort is spent on reducing material consumption but also reducing installation time at serial production. This process also includes ways to establish flawless solutions for the installation e.g. Poka-yoke as well as establishing smarter solutions i.e. in order not to block access to critical components which are part of the vehicle's powertrain.

The risk management process includes smooth system integration. Dafo Vehicle Fire Protection offers on-site technical support both for mechanical and electrical integration in order to support OEMs.

WITH THE ENVIRONMENT IN MIND

The environment is in constant focus in the Dafo Vehicle Fire Protection organization. We want to make sure that we do our part to leave the smallest ecological footprint possible.

Below are some examples of what we do:

- Dafo Vehicle Fire Protection continuously works towards sustainability, meaning environmental sensitivity without compromising safety. Dafo Vehicle is measuring and mitigating impacts from manufacture to end-of-life.
- We make sure to reduce our carbon footprint for a cleaner environment
- All components on Dafo Vehicle suppression system are 100% recyclable



LOCAL PRESENCE

Dafo Vehicle Fire Protection is continuously increasing our geographical proximity by following our OEM customers in their global expansion by supporting their distributors around the globe. Through our local partners Dafo Vehicle Fire Protection is close to our customers in order to assist them with installation, easy access to spare parts and refilling of extinguishing cylinders, within 24/7 availability.

Dafo Vehicle Fire Protection is continuously setting up hubs/distribution centers in strategic geographical areas to be closer to market and to reduce the delivery time as this is important to our customers.



IN THE FRONT LINE OF TECHNOLOGY ENGINEERING

Dafo Vehicle Fire Protection is in the front line of technology engineering by:

- participating in several research projects.
- continuously developing new products and services in order to meet the challenges on the market.
- working with our OEM customers by integrating our systems into their communication protocols.
- being focused on sustainability, meaning environmental sensitivity without compromising safety as well as measuring and mitigating impacts from manufacture to end-of-life.
- implementing certification in accordance with IATF 16 949.
- adapting our design to meet tomorrow's technology.



SOCIAL MEDIA

Please follow us on social media, this is a great way for you and your customers to be updated and receive our latest news.



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<https://www.instagram.com/dafovehicle/>

THINK SMART, THINK SAFE!

By choosing Dafo Vehicle Fire Protection's extinguishing system you decide to protect your vehicle, people, your customer's interests and the environment with a reliable fire suppression system that works in all geographic areas and in all different segments.



Expect more from your fire suppression system


vehicle fire protection