



BUSShield

Advance Bus Fire Protection System



Advanced fire protection systems



Advanced fire protection systems

With over 60 years' experience, Lehavot has long been recognized as a pioneer and a leading provider of high quality Fire Protection systems. Incorporating the most advanced technologies, LEHAVOT's best of breed solutions have proven themselves in every level of fire protection applications.

Today, LEHAVOT's tailor-made solutions help global customers meet the challenges of the 21st century, delivering superior performance over a long service life at the most competitive price.

Our Advantages - Operational Efficiency & Outstanding Reliability

LEHAVOT's products benefit from decades of expertise and experience in the development, design and manufacture of Fire Protection Systems. Our wide range of state-of-the-art solutions provide the highest operational efficiency and utmost reliability, offering unequalled operational quality.

Environmental Considerations

LEHAVOT's dedication to its customers is matched only by our commitment to the environment. Our comprehensive systems maximize fire agent efficiency, while constantly searching for new and better manufacturing materials and methods to ensure sustainability. LEHAVOT products comply with the most stringent international standards and approvals including P mark, R107, FM, UL, EN, CE, MIL specs, and other.

Customized Solutions + Global Presence = Peace of Mind

Powered by decades of intensive interaction with the world's major end users, LEHAVOT's proven products have been carefully customized to meet the requirements of global customers such as Volvo, Mercedes, MAN, Reliance, IOTL, Navistar and many others, in the following sectors:

- Busses & Trains
- Kitchen-Hood systems
- Oil & Gas tank storage protection
- Off-Road vehicles (Mines, Agriculture, etc)
- Marin
- Crain
- Conveyers
- Cellular antennas
- CNC machines
- Military



LEHAVOT's global presence provides customers with real peace of mind. With a worldwide network of subsidiaries and international distributors, the company's reputation has been established through a commitment to top quality sales & post sales service supported by teams of highly trained & dedicated professionals.

Automatic Fire Protection Systems by Lehavot



BUSShield

Fire Protection for Busses



OIL-TANKShield

Fire Protection for Oil & Gas Storage Tanks



KITCHENShield

Fire Protection for Industrial & Commercial Kitchens



DEFENSEShield

Fire Protection for Military Applications

BUSShield system

The potential for disastrous human loss is present in most fire events. In public transportation vehicles such as busses it could be catastrophic. Apart from arson, there are a few common reasons for the ignition of Busses or coaches amongst them extreme heat, vehicle vibration, material fatigue or malfunction, fuel / hydraulic fluids leakage or electric short circuit as well as inadequate maintenance.

Many bus fire events originate in either the engine or battery compartments, which are usually out of the operator's sight. It is therefore difficult for the operator to notice a fire if it occurs which might result in a slow response time increasing both life loss and damage risk.

The Lehavot system is comprised from:

- Linear fire detector
- Suppression agent & nozzles
- Command and Control unit

Bus battery compartment fire protection system

- Fire detector
- Suppression agent & nozzles



Command & Control unit

- As a fire or dramatic rise in temperature are detected the Linear fire detector automatically drive a "Pre Alarm" and "Fire Alarm" directly to the drivers dashboard warning him of the event even before he can see it - allowing both automatic and manual system activation.



Certificates and Standards

- FM Approved
- ISO 9001:2008 - Quality assurance certification
- P-MARK
- UNECE R 107



Features and Benefits

- Over 60 years of experience with thousands of installations worldwide
- **Efficient Extinguishing Action** - Utilizes dry powder to suppress all classes of fires and prevent re ignition
- **Easy Installation** - Durable, flexible stainless steel tubing can be routed to monitor long distances or tight spaces
- **Operator Alert** - The system will indicate the bus operator on a fire event
- **User Friendly** - The system requires minimal maintenance
- **S.D.S** - Unique service and diagnostic software for high level maintenance
- **Fail Safe** - Redundant system
- **Reliable** - Low risk of false alarms
- **Robust Structure** - High tolerance to harsh conditions such as, grime, dirt, dust etc.

Components



Control Panel

Surface mounted or flush mounted via external mounting feet. Internally prewired for connection to other system electrical components via plug connectors.



Linear Heat Detector

Linear Heat Detector is a continuous heat detector capable of detecting heat anywhere along its length.

The simply installed detector is highly reliable and offers excellent performance.



Dry Chemical Agent Cylinders

ABC Agent Cylinders, with capacities of 8 kg, pressurized with dry nitrogen at a pressure of 25 bars at 21°C. Designed to work at temperatures from -40°C to 60°C. The discharge valve is pyrotechnically activated.



Bracket For automatic Extinguisher

Used to secure 8 kg cylinders assemblies to the mounting surface and connect the discharge valve to the distribution network.



Discharge Hoses

Used to carry the dry chemical agent to the discharge nozzles. Hoses consist of SAE 100R14A, 3/8 inch and 1/2 inch, Stainless Steel wire braided rubber hydraulic hose, and/or stainless steel tubing and the corresponding



Discharge Nozzle

The brass discharge nozzles distribute the dry chemical agent. Machined with a 3/8-inch NPT pipe thread for assembly into 3/8-inch distribution hoses. Shipped complete with a heat and weather resistant rubber blow-off cap that preventing debris from lodging in the nozzle outlet.



Blow Of Cap

A heat and weather resistant rubber blow-off cap

ADVANCED BUS FIRE PROTECTION SYSTEM

Protecting passengers and property with Lehavot BusShield

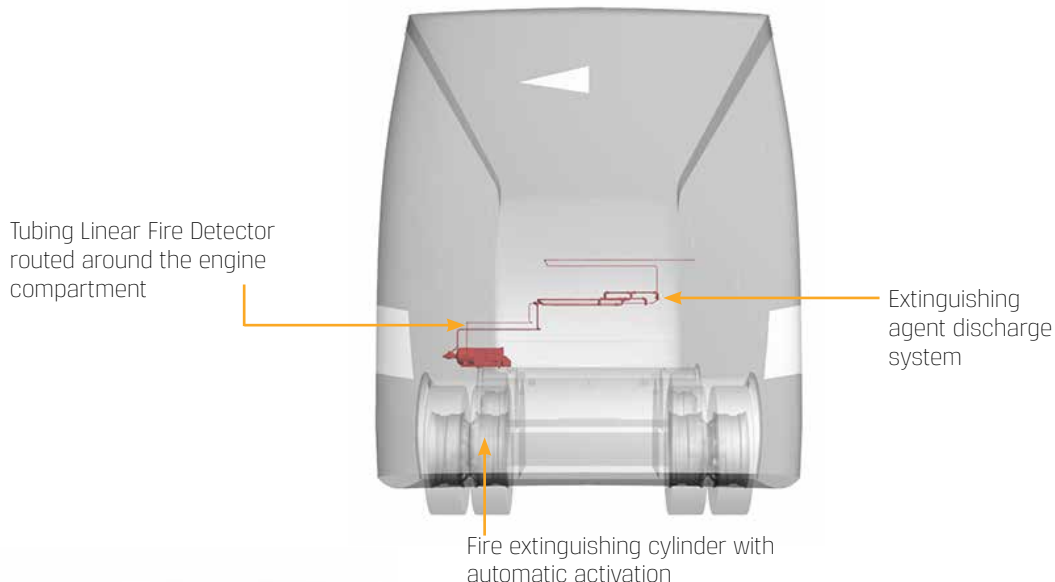


When it comes to safeguarding passengers' lives as well as equipment, the advanced Lehavot fire bus fire protection system provides comprehensive fire protection coverage with excellent firefighting performance, reliability and low lifecycle cost.

Lehavot offers custom designing, modeling, testing, and manufacturing of fire suppression systems to protect vehicles and equipment—all under one roof.

The Lehavot system is highly immune to false alarms while ensuring quick automatic activation of the extinguishing unit in case of a fire event.

Lehavot's Fire Suppression System is an efficient modern fire protection solution for the millions of people who use public transportation every day.





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