



lifeline<sup>®</sup>

Advanced Vehicle  
**Fire Suppression**  
Systems



# The leading manufacturer of on board fire suppression systems



**Established in 1980, Lifeline is the leading manufacturer of on board fire suppression systems to the motorsport industry. This fact alone makes them ideally placed to supply the Defence Market. Lifeline has many outstanding qualities that make them the perfect choice for supplying the most exacting military requirements.**

Investment in people, dedicated in-house design and development facilities ensure that our customers have access to the most effective, top quality safety products available anywhere in the world.

The first generation systems produced by Lifeline were manufactured using Halon 1211 as the extinguishing agent; however, due to environmental pressures the manufacture of Halon ceased under the Montreal Protocol. Thus the race was on to devise an effective replacement for an extinguishing agent that had provided many years of valuable service. Lifeline took the pioneering route of introducing a lightweight, environmentally friendly, foam based extinguishant - ZERO 2000. More recently a major research and development programme into replacement gaseous extinguishing agents lead to the introduction of

the Zero 360 product range offering even greater levels of protection with significant size and weight advantages.

Lifeline now offers a comprehensive range of fire suppression systems using gas, foam or powder extinguishing agents for all kinds of transportation such as armoured vehicles, boats, buses and trains. Systems can also be supplied for the protection of machinery and any other enclosed space that requires fire protection.

**Why Lifeline for the Defence Industry?**

The motorsport arena is well known for the need for quick response times in problem solving situations. This is equally important in the defence arena where human lives are often on the line and the political ramifications of unnecessary loss of life or serious injury are huge.

# zero 360

## A range of high performance extinguishers for critical military applications

The Zero 360 family of fire extinguishers use either DuPont FE36™ or 3M™ Novec™ 1230 liquid gas as the extinguishing agent. These products are in widespread use throughout the world as halon alternatives and have been tested and approved against the demanding FIA and SFI requirements. Lifeline products are all extremely high specification. Aerospace standards are common practice in motorsports so the pre-eminence of Lifeline products in the motorsports arena makes them fully qualified to supply the military.



**Zero 360**  
Handheld

The latest generation of Lifeline hand held extinguishers use the highly efficient gaseous ZERO 360 extinguishant as a proven alternative to Halon. Designed specifically for the rigours of motorsport and will operate in any orientation. Available in 1Kg, 2kg and 3kg sizes.



**Zero 360 with**  
Automatic Zero Zone

Specifically designed and in production for military and security vehicle applications the 4.5kg automatic Zero 360 system provides suppression cover to engine, fuel and other risk areas. Zero 360 automatic systems are also available in other sizes and operation options.



**Zero 360**  
Engine Compartment

Specially designed for world rally championship and cross-country cars these ruggedised units are available in 2.25kg and 3kg sizes. Reliable electric remote discharge operation in any vehicle attitude. Engine compartment multi-nozzle discharge system.



**Zero 360**  
Crew Compartment

Specially designed for world rally championship and cross-country cars these ruggedised units are available in 2.25kg and 3kg sizes. Reliable electric remote discharge operation in any vehicle attitude. High discharge outlet deploying the extinguishant in less than 500 milli-seconds.

# Our proven track record is your guarantee of reliability



## Research and Development

Lifeline's continuous commitment to research and development ensures that we can supply the most innovative and cutting edge products available to the Defence Industry. These same products are used by the majority of the world's motor sport championship-winning drivers, teams and constructors – a stringent, proven test for the defence industry.

Lifeline's Zero 360 systems are the result of over 7 years of intensive research and development using both DuPont FE36™ & 3M's™ Novec™ 1230 environmentally friendly liquid extinguishant. Already in use by many world championship motor racing teams and constructors Zero 360 is the racer's number one choice – an unparalleled test. By using Lifeline's Compression Discharge technology, superior results are assured over standard stored pressure systems. This is because only pure undiluted extinguishing agent is deployed, unlike others that are saturated with Nitrogen, thereby reducing efficiency of the agent.

Available in sizes to suit all applications – with either electrical, pull cable and automatic activation or the unique Zero Zone multi-directional automatic discharge valve for fuel cell coverage. All parts are CAD designed and CNC machined for optimum performance. Each part of every fitting kit has been carefully designed and specified for a professional and simple installation.

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**Lifeline. Champions of Safety.**

## Servicing and Support

Lifeline provides a total fire extinguisher service and support facility for our customers with a comprehensive list of agents around the world. The systems are resilient to case damage in the event of accidents thus ensuring the highest protection levels. Lifeline uses only the finest quality components both in the unit and the installation kit supplied with each system. Lifeline extinguisher products are environmentally acceptable and only require servicing every two years.

This 2-year service cycle is an important part of ensuring that equipment is kept in the best possible condition and ready to help protect personnel and assets.

For more information regarding our fire safety equipment and fire safety systems please contact us today on +44 (0)24 7671 2999 or email us at [sales@lifeline-fire.co.uk](mailto:sales@lifeline-fire.co.uk)

Winner of the "Most Innovative Product of the Year" award at the 2008 World Motorsport Symposium.

Winner of the MIA "Small Business of the Year" award in 2007.

Winner of the MIA "New Markets" award in 2012, for successful diversification into the defence sector

Lifeline is ISO9001 accredited and is an Investor in People employer.



# Lifeline®

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