



Railway Fire Protection
Save lives
Reduce Damage



High pressure
water mist sprinkler
system for fighting fires



Delivering Fire Protection Solutions For Rolling Stock



Ultra Fog fire protection solutions are custom designed to meet worldwide fire safety regulations.

ULTRA FOG is an international brand founded Gothenburg, Sweden. ULTRA FOG specializes in the development, design and application of high pressure watermist sprinkler systems. This high performance product line results from a continuous programme of research and development, extensive certification and type approvals, and quality controlled manufacturing. Ultra Fog's global reach, aftersales service and maintenance provision ensure that customers benefit from lifelong product assurance and protection.

The protection of rolling stock presents specific challenges for fire fighting. Fire must be rapidly brought under control to allow for evacuation of passengers and crew and the continuation of operation must be guaranteed, all within the spatial and weight confines of a railway vehicle moving at high speeds. The light weight design, and reduces water requirements of the Ultra Fog High Pressure watermist provides a safe, efficient and flexible solution for the protection of rolling stock assets and passengers.

Effective High Pressure Water Mist Solution



Ultra Fog high performance water mist fire suppression uses up to 90% less water than conventional sprinkler systems.

High pressure water mist is very effective in extinguishing fires. The Ultra Fog High Pressure water mist fire protection system produces a very fine mist of micro water droplets by forcing clean water through a specially designed, patented high pressure nozzle.

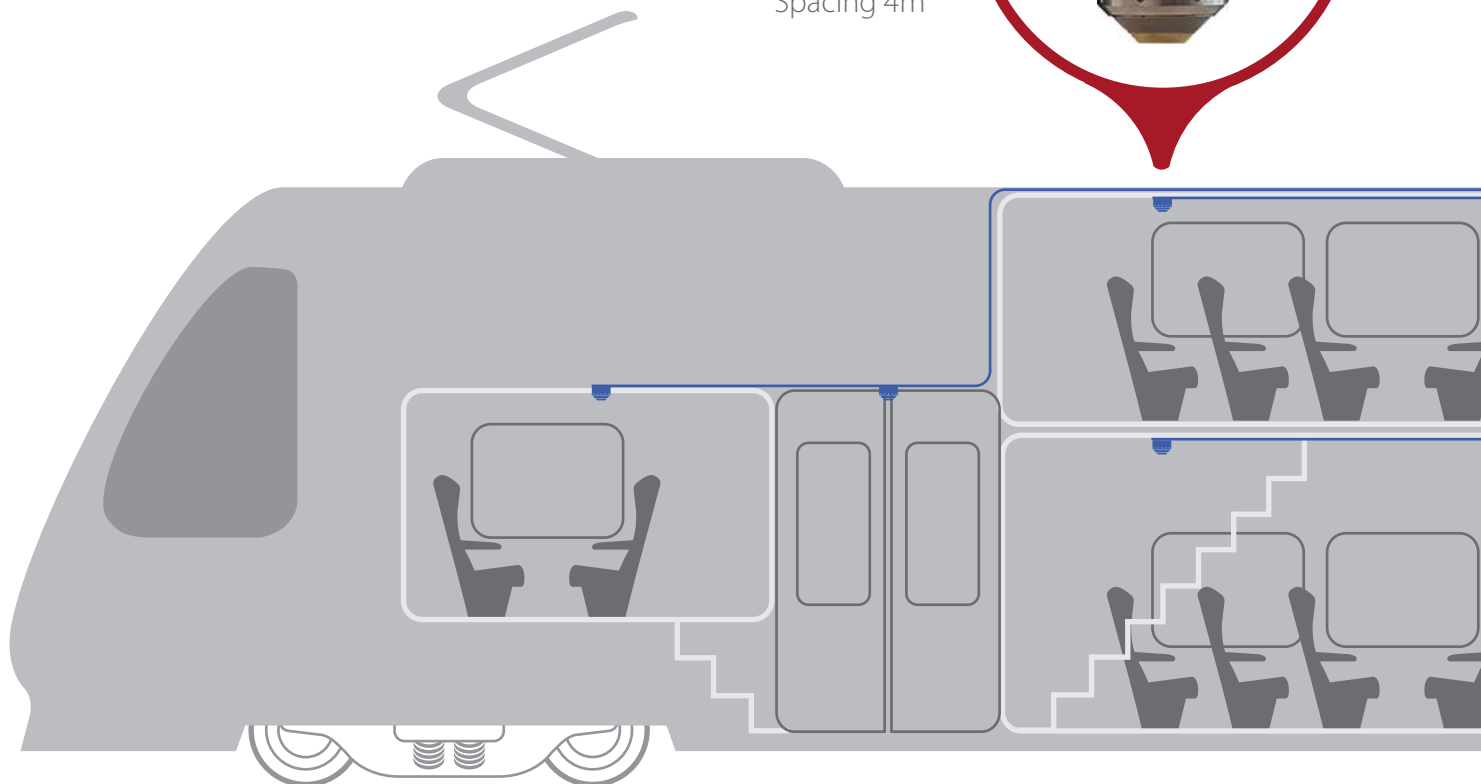
In a fire scenario the resulting mist reduces the heat in the enclosure very quickly, the expansion of the mist from water to steam aids the suppression process by reducing the amount of oxygen feeding the fire. Clean water used in Ultra Fog systems, filtered by the pump station, is non-toxic, environmentally friendly and people safe.

High Pressure Water Mist Sprinkler System

Ultra Fog Nozzle

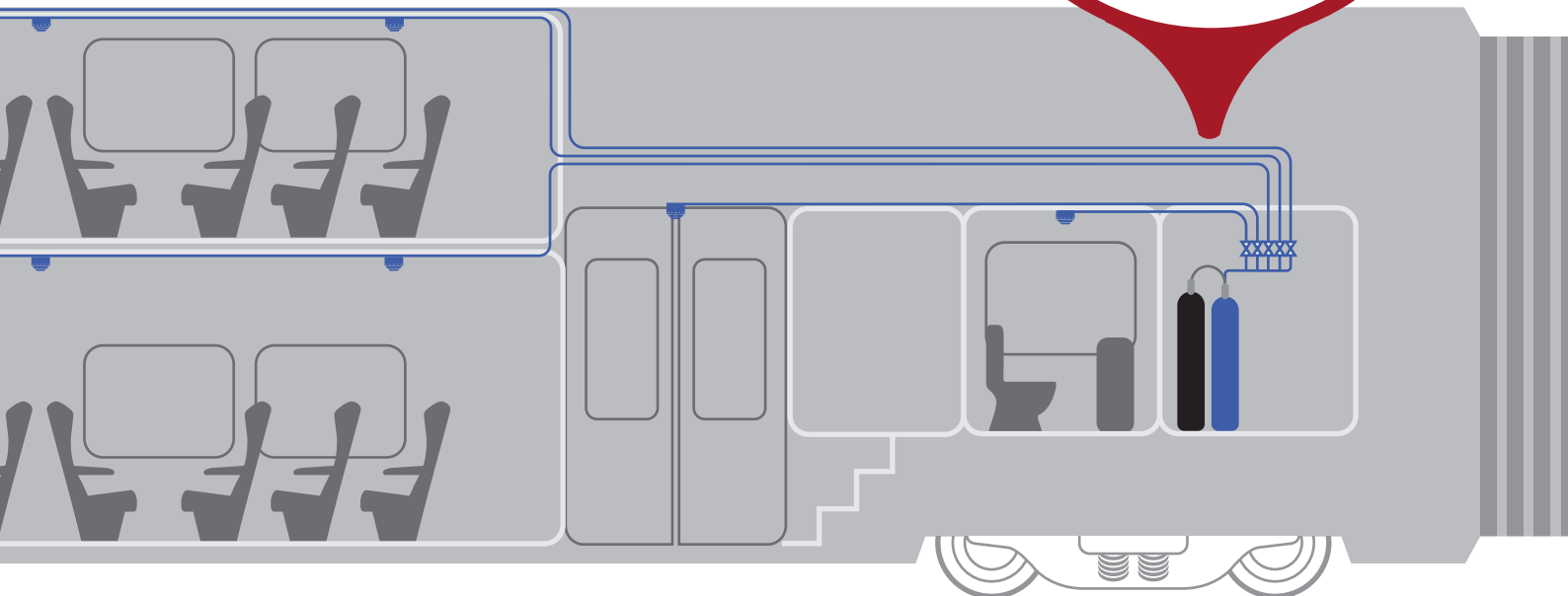
Double Deck Train:
Flow 7 L/min at 60 Bar
Spacing 4m

Single Deck Train:
Flow 5,8 L/min at 40 Bar
Spacing 4m





Accumulator Unit



Standard: UNI 11565:2016

Railway Vehicles - Design, Installation, Validation And Maintenance Of Fire Detection And Extinguishing Systems To Be Utilized In Rail Vehicles - General Principles

Benefits & Advantages



- Custom designed, engineered, quality manufactured fire suppression solutions.
- Fast response Ultra Fog fire systems are highly effective, quick and easy to put back into service.
- Rapid expansion of water droplets displaces oxygen in the fire zone reducing the risk of flare up.
- Environmentally friendly and safe for people.
- Aesthetically pleasing nozzles.
- Risk of flash over is substantially reduced or reduced to zero.
- Using less water than conventional sprinklers radically reduces storage space requirements: less space, less weight.
- Small stainless steel pipe dimensions result in less weight, ease of installation, and pipe networks that are easy to conceal.
- Reduced downtime and clean up costs following fire event.

A World Leader In The Development And Application Of Custom Quality Fire Protection Solutions



Marine Applications



Off-shore Applications



Land Applications

Ultra Fog has a wide range of experience providing quality fire protection solutions for many complex projects in commercial, industrial, marine and offshore facilities.

The Ultra Fog system was originally designed and developed for marine use, where the demands for effective fire suppression are extremely high. Ultra Fog systems use safe, environmentally friendly clean water as the suppressant agent in marine, offshore and land. Ultra Fog fire protection solutions are custom designed to meet worldwide fire safety regulations.

The Ultra Fog system can be connected to various forms of detection equipment for early fire detection and immediate activation. Together, fast response with low water consumption saves valuable structures their occupants and property.

Ultra Fog Classification Testing and Approvals

Standard: UNI 11565:2016

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Local Ultra Fog Distributor

