



Economical Home Fire Protection



Manufactured in Britain for RAD Fire Sprinklers.

The RAD-Mist system offers a smarter and safer means to protecting your property and belongings from fire damage.

Our fire suppression systems are fully compliant to BS:8458 and manufactured here in the UK by iCO Products. A member of the FPA and an ISO9001 registered company.

Our discreet and easy to install solution is designed specifically for the residential and domestic markets, offering design flexibility whilst providing faster and more reliable fire protection.

Operating independently and using 80% less water than traditional sprinkler systems, our discreet nozzles cause much less water damage, whilst providing real time alerts to notify the owner in the event of a fire.



Designed for architects, built for professionals.

Our low profile water mist nozzles sit at just 3mm below the ceiling and are the most discreet available on the market.

The compact pump unit connects directly to the water mains using flexible piping and easy-fit fittings, making the system highly adaptable, cost efficient and easy to install. There is no need to upgrade the water mains or to fit an expensive water tank.

Our system offers more than design freedom: it meets the highest performance standards and is compliant with all building regulations.

There is a reason that a growing number of building control officers and fire professionals are specifying water mist solutions over traditional sprinklers.



Regard for compartmentation and protection of escape routes need not inhibit the architect's desire to create open, flexible living space.

Our Products

Features and specifications



RAD Fire specialise in high quality, industry leading fire suppression systems. Our products are manufactured in Great Britain by iCO Products Ltd. and rigorously tested to ensure they meet the highest performance and safety standards.

The water mist fire suppression system has undertaken an independent third-party assessment by Exova Warrington Fire, a UKAS accredited laboratory and achieved all testing criteria. Tests reports are available upon request.

MISTING NOZZLE

Our easy-fit nozzles are extremely low profile, sitting just 3mm below the ceiling and can be colour matched to any colour using the RAL colour code system.



72_{mm} x 19_{mm}

Dimensions

200_g

Weight

57 °C

Bulb Specification

16_m²

Fire Suppression

White

Standard Colour

Stainless 316

Material

Torsion Springs

Fixing method

PUMP UNIT

The sleek and compact pump unit connects directly to the existing mains water supply: using an impressive 12 litres per minute for rapid and effective fire suppression.

The smart-enabled system includes an on-board monthly self test and manual test facility with real time monitoring and alerts.

The control board monitors the pump and is equipped with fire and fault N/O and N/C relays for use with third party equipment (e.g. alarms and fire panels).



342_{mm}² x 495_{mm}

Dimensions

24_{kg}

Weight

240V

Voltage Rating

13A

Current Rating

12_{lmp} @ 1 bar

Minimum Water Requirement

1/2" BSP

Inlet Connection

3/8" BSP 60 °C Cone

Outlet Connection

Floor or wall

Mounting



The RAD-Mist system is more cost effective than traditional sprinklers, while using 80% less water.

High pressure water mist versus traditional sprinklers.

Conventional fire sprinkler systems were originally developed for commercial applications. Whilst these systems perform well in specific situations, they are not always preferred.

RAD Fire offers a more effective, cost efficient, sustainable and less damaging alternative to conventional sprinklers.

Our system has been developed to disperse a fine, high-pressure water mist, ensuring that the water evaporates as quickly as possible: decelerating the combustion process much more effectively than a traditional sprinkler system.

On activation, the RAD-Mist system will discharge a calculated amount of water mist from the nearest nozzle, suppressing the fire efficiently without causing excess water damage.

Our Products

Key features and benefits



Water Requirement

The system is designed to operate using the lowest flow and pressure possible (12l/min @ 1 bar).

Rapid response

The system eliminates the two combustion elements of a fire by cooling & reducing the oxygen at the base of the fire.

Reliable activation

Our nozzles are highly reliable and can be activated by a double knock trigger (heat and smoke): as an option to reduce the risk of false activation.

Localised suppression

Only the nozzle nearest the fire will operate: protecting other areas of the property from water damage.

Minimal water damage

On average the system uses 80% less water than traditional sprinklers, minimising water damage when activated.

Fully accredited

The system has an IP rating of IP53 and meets the fire performance tests outlined in BS:8458.

Real time monitoring and alerts

System GSM Monitoring provides real time alerts to your smart phone in case of emergency or fault.

Low maintenance

The pump has a removable cover so that the internal components can be serviced on-site if needed.

Easy installation

Our simple design and flexible hoses make installation a breeze when compared to conventional sprinkler systems.

Discreet and compact design

The pump unit will fit in most kitchen cabinets. Our nozzles are the most discreet on the market and can be colour matched to any colour.

Highly adaptable

Our water mist system can be installed in almost any residential or domestic category project.

Environmentally friendly

The system only uses water from the mains when needed: saving vast amounts of water.

Cost efficient

The system connects directly to the current water supply: no need to upgrade the mains or install a tank.

Automated self testing

The pump unit automatically tests itself once a month to ensure the unit is functioning correctly. Unlike other systems, no water is used and no drain is required.





One solution, multiple applications.

The RAD-Mist system can be installed in almost any residential or domestic property.

RAD-Mist is an ideal solution for private homes, heritage or listed buildings, new-build properties, apartments, care homes, student accommodation, hotels, industrial kitchens and HMOs (houses in multiple occupancy) where the risk of fire is greater.

Passive fire protection is often used to pass building regulations; such as internal fire doors, travel distances to exits and fire-retardant materials within the fabric of the building.

A growing number of forward-thinking architects and developers are specifying the RAD-Mist system in their designs to reduce the passive requirements needed to meet regulations; allowing more flexibility and freedom of design.



A smarter and safer means
to protecting your property
from fire damage.

RAD Fire specialise in water mist fire suppression systems for
domestic and residential properties.

Our products are manufactured and supplied by iCO Products,
a trading name of HiPro Industries.

Contact us

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