The next generation sprinkler system

Industry leaders in domestic and residential fire suppression systems

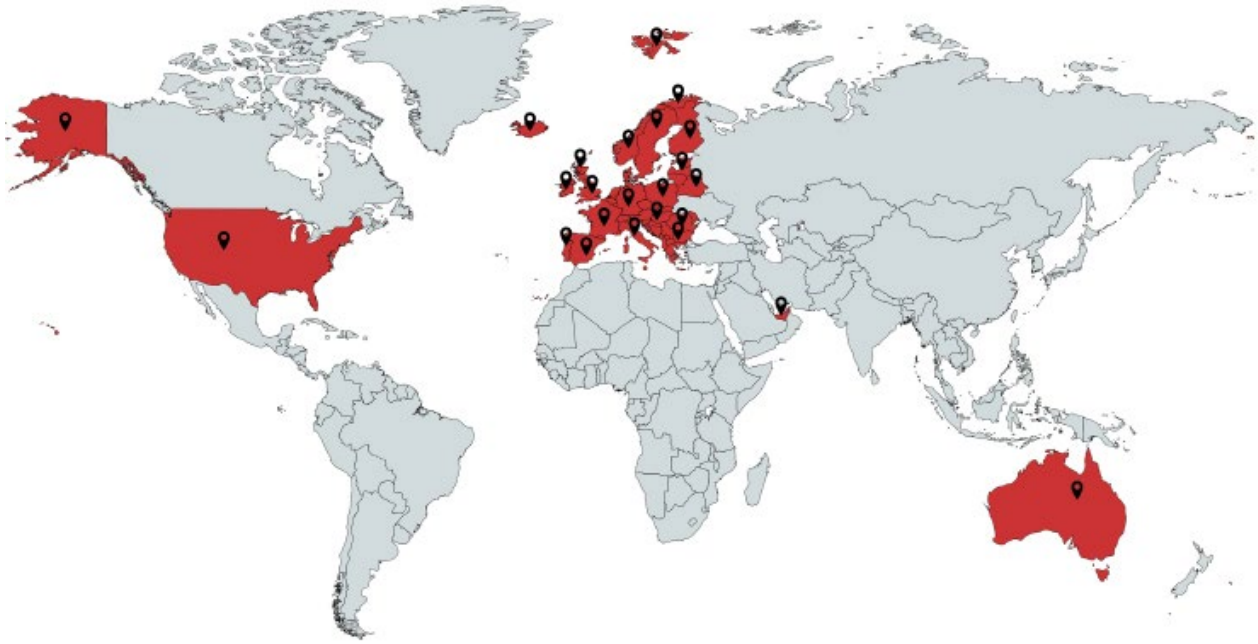
Manufactured in Britain, installed worldwide.

The iCO water mist system offers a smarter and safer means to protecting your property from fire damage.

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 protection.

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

As a leading manufacturer of fire suppression systems, we sell through a network of accredited distributors in the UK and overseas.



United Kingdom • Europe • Australia • USA • United Arab Emirates

Designed for architects, built for professionals.

The iCO water mist nozzles sit at just 3mm below the ceiling and are the most discreet on the market.

The compact iCO 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.

The iCO system offers more than design freedom: it meets the highest performance standards, is independently tested to BS:8458 and is compliant with all building regulations.

There is a reason that a growing number of building control and fire officers 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.

iCO Products

Features and specifications

iCO specialise in high quality, industry leading fire suppression systems. Our products are manufactured in-house and rigorously tested to ensure they meet the highest performance and safety standards.

The iCO 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.

iCO MISTING NOZZLE

iCO's 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.

Patents granted: United Kingdom, USA, Australia, Europe
Patents pending: UAE

72mm x 19mm **Dimensions**	200g **Weight**	57 °C **Bulb Specification**	16m² **Fire Suppression**
White **Standard Colour**	Stainless 316 **Material**	Torsion Springs **Fixing method**	

iCO PUMP UNIT

The sleek, compact iCO 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).

342mm² x 495mm **Dimensions**	24kg **Weight**	240V **Voltage Rating**	13A **Current Rating**
12lmp @ 1 bar **Minimum Water Requirement**	1/2" BSP **Inlet Connection**	3/8" BSP 60 °C Cone **Outlet Connection**	Floor or wall **Mounting**

The iCO water 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 designed for residential properties.

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

The iCO 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.

In the event of a fire the iCO system will discharge a calculated amount of water mist from the nearest nozzle, supressing the fire efficiently without causing excess water damage.

There is a reason that the iCO system has already been installed in thousands of homes.

iCO Products

Key features and benefits

Water Requirement

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

Rapid response

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

Reliable activation

The iCO 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 iCO uses 80% less water than traditional sprinklers, minimising water damage when activated.

Fully accredited

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

Real time monitoring and alerts

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

Low maintenance

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

Easy installation

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

Discreet and compact design

The iCO 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

iCO's adaptability means the system can be installed in almost any residential or domestic category project.

Environmentally friendly

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

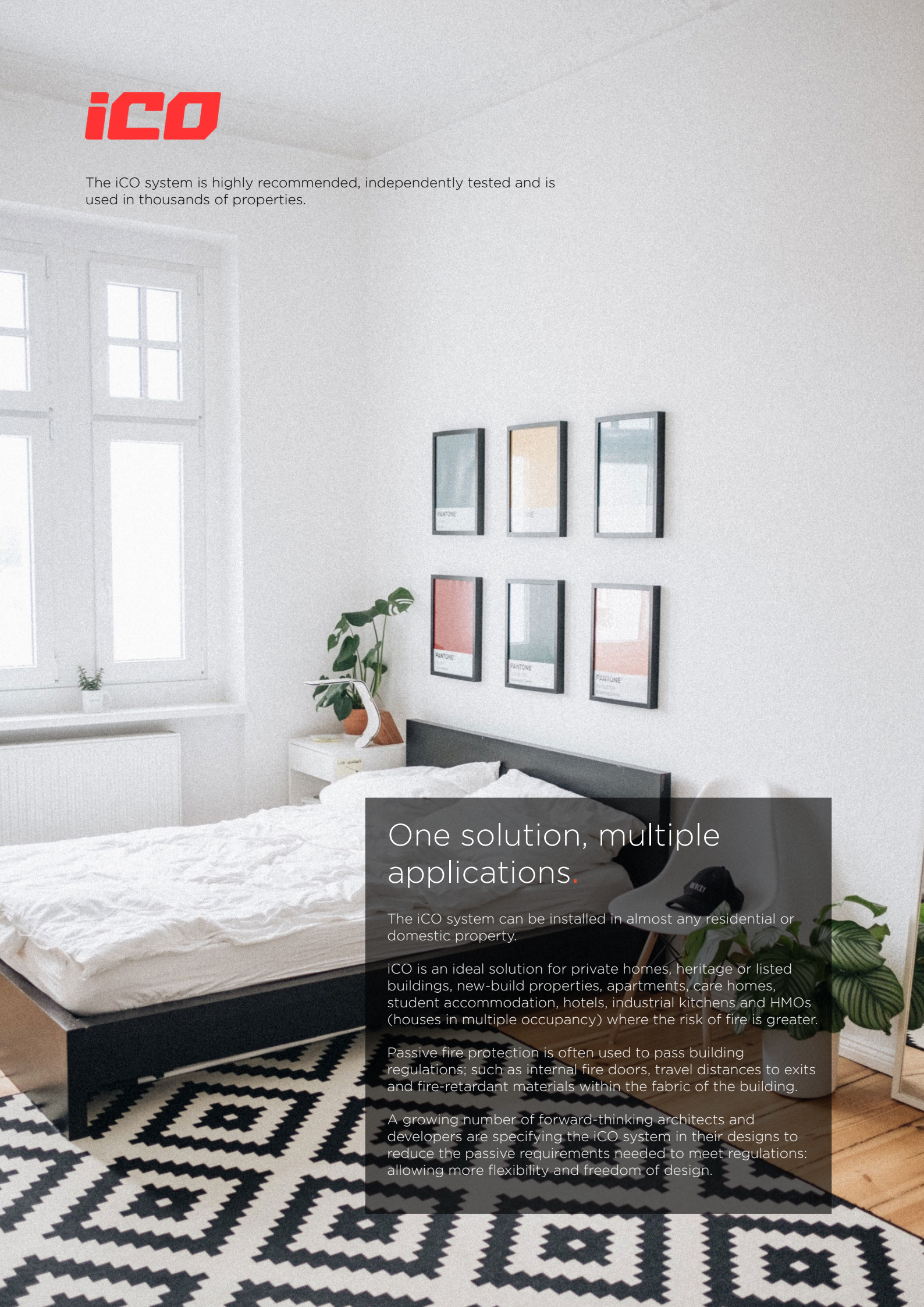
Cost efficient

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

Automated self testing

The iCO 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.

The iCO system is highly recommended, independently tested and is used in thousands of properties.



One solution, multiple applications.

The iCO system can be installed in almost any residential or domestic property.

iCO 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 iCO 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.

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

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Patents pending: UAE

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