



Suppression Systems Servicing

Fire protection • Sprinkler and Mist systems • Maintenance specialists

QUANTUM FOG

The new age of fire protection.

System Description

iCO is a revolutionary fire suppression system offering discrete protection coupled with industry leading pricing, efficient system design and easy install.

iCO's lightweight nozzles sit just 3 mm below the ceiling making them non-intrusive whilst offering complete protection. These nozzles connect to a compact pump unit using flexible pipework.

The system operation is based on using closed frangible bulb type nozzle, which are activated once the temperature rating (57°C) of the nozzle bulb has been exceeded.

The system is designed as a wet pipe system. In the event of a nozzle operating, the flow is monitored and, after a short delay, the pump(s) activated. Water is discharged as a mist through the open nozzle. More nozzles may operate over time dependant on the fire size and location, until the maximum capacity of the system is reached.

Advantages

- Low profile nozzles (colour matching available)
- Compact pump unit
- Low flow system, mains supplied, no water storage tank or upgraded water supply needed
- Flexible pipework
- Customisable self-test facility
- Compatible with fire panels using voltage free contacts
- Wireless monitoring
- Stainless steel pipework available where system is not installed behind fire rated barrier
- iCO is 3rd party fire tested to BS: 8458 for up to 80 m2 per fire compartment
- iCO is 3rd party fire tested BS: 9252

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<i>System Design Standard</i>	BS 8458 – Domestic
<i>Nozzle Type</i>	iCO mist nozzle , fully tested and validated to BS DPC 8458 at Warrington Exova
<i>Coverage</i>	Full Protection
<i>Estimated Number of Nozzles</i>	32 each
<i>Hose Type</i>	Hydraulic 3/8" NB R7 hose and 3/8" BSP fittings
<i>Number of Pump Sets</i>	2
<i>Pre-action, Zone valves & GSM</i>	TBA
<i>Alarming Configuration</i>	Volt free interface included