

# GREEN FIRE TECHNOLOGIES



# FOR A GREENER TOMORROW



# CEASEFIRE GREEN SUSTAINABLE SOLUTIONS





# POTENT ON FIRE. GENTLE ON EARTH.

## Fire Technologies for a Greener Future

At Ceasefire, creating cutting-edge technologies that are not only potent on fire but also safe for the environment is at the heart of our mission. We're committed to developing green firefighting solutions to protect new emerging spaces that are both powerful and gentle on mother Earth.

It is our continuous endeavour to raise the world's safety quotient while ensuring a cleaner, more sustainable fire fighting future.

# PIONEERING SUSTAINABLE FIRE SOLUTIONS

At Ceasefire, we understand how crucial it is to keep evolving sustainable firefighting solutions to ensure a green future and we take every possible step towards that direction. Be it the use of long-lasting and durable extinguisher container construction material such as stainless steel to ensure an elongated product lifecycle, to creation of a wide variety of biodegradable extinguishing agents that have zero or negligible harmful effects on the environment, we do it all towards our green quest.



Today, some of our flagship firefighting technologies deploy green extinguishing agents such as Watermist, Fluorine-Free Foam (FFF), and Clean Agent Fluoroketone (FK) that have Zero Ozone Depletion Potential (ODP), negligible Global Warming Potential (GWP), and are free from PFAS/PFOA.

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# CLEAN AGENT FLUOROKETONE (FK) BASED SOLUTIONS

TRANSFORMING THE FUTURE OF FIRE  
FIGHTING



# THE CLEANEST, GREENEST AGENT: FLUOROKETONE (FK-5-1-12)

Fluoroketone (FK) is a game changing agent that is revolutionising fire fighting in the clean agent category. With an ultra-low Global Warming Potential (GWP) of less than 1 and Zero Ozone Depletion Potential (ODP), FK is setting new standards for sustainability.

This clean, non-toxic agent not only is ideal to be used on high-value sensitive equipment as it leaves no residue, but is also absolutely safe to be used in human presence in a confined environment.

Whether you're looking to protect critical infrastructure or meet stringent environmental regulations, FK delivers superior performance while reducing your ecological footprint.



## F-Gas Compliance

FK being outside the purview of F-gas regulation gives freedom of operation to businesses and offers a long-term trade solution.



## Minimal Cleanup and Downtime

Because FK leaves no residue after use, it requires minimal cleanup, leading to shorter downtimes and less disruption in operations. This characteristic makes FK an effective choice for maintaining operational continuity after a fire incident.



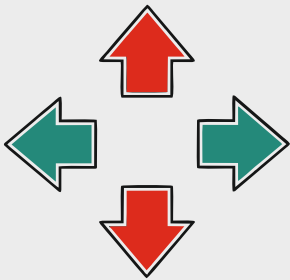
### Safe For People

Fluoroketone (FK) is inherently safe for use in environments where people are present. It effectively suppresses fires without displacing oxygen, ensuring that individuals can remain safe during firefighting operations in an enclosed environment. This makes FK an ideal choice in situations where human safety is a top priority.



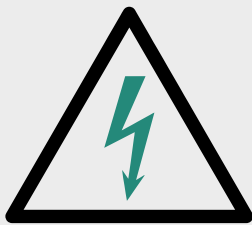
### Environmental Friendliness

One of the most significant advantages of FK is its minimal environmental impact. With a Global Warming Potential (GWP) of less than 1 and Zero Ozone Depletion Potential (ODP), FK provides a sustainable alternative for firefighting, appealing to organisations with ambitious sustainability goals.



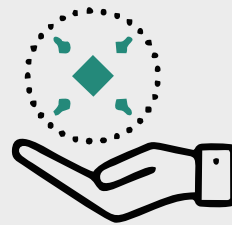
### Low-Pressure Technology

Operating at lower pressures, FK delivers efficient fire suppression, making it suitable for environments that require a gentle touch. This low-pressure operation not only enhances user safety but also optimises performance in critical applications, allowing for a controlled release of the fire-fighting agent.



### Non-Conductive and Safe for Sensitive Equipment

FK is a non-conductive agent that leaves no residue, making it safe to be used on high-value assets including live electrical equipment. This is particularly beneficial in environments housing sensitive electronics, such as data centres and server rooms.



### Compact Design and Ease of Handling

As a compact and lightweight agent, FK is easy to handle and deploy in extinguishers and advanced fire systems.

# CEASEFIRE CLEAN AGENT (FK-5-1-12) BASED PORTABLE FIRE EXTINGUISHERS

Research shows that short circuits in the electrical mains or in sensitive electronic equipment such as computers, server racks, CNC machines, etc., are the most common cause of fire in workspaces. While powder-based extinguishers can certainly defeat these fires, they cause serious collateral damage.

That's where Ceasefire's Clean Agent Fluoroketone (FK) based Extinguishers come in. These extinguishers are built to not only put out fires, but save sensitive electronic equipment too. Powered by one of the cleanest, most powerful extinguishing agents on the planet, these extinguishers are extremely light weight, yet are power-packed with an immense throw that penetrates even the finest mesh and spaces.



FIGHTS CLASS



CERTIFICATIONS



# FEATURES & BENEFITS OF CLEAN AGENT FK BASED EXTINGUISHERS



## Safe On Electronic Equipment

Clean gas FK-based extinguishers leave no residue and can be used on electronic equipment.



## 5 Year Warranty

These Ceasefire Extinguishers come with a 5-year warranty ensuring complete peace of mind.



## Lightweight

Extremely lightweight, yet packed with tremendous power and throw, to penetrate past even the finest grills and meshes.



## Free From F-gas Regulations

FK being outside the purview of F-gas regulation gives freedom of operation to businesses and offers a long term trade solution.



## Simplicity In Handling

The easy-grip handle aids simplicity in handling.



## Types Of Fire

Fights Class B & Electrically Started Fires.



## EPDM Rubber Hosepipe

This durable, long-lasting pipe doesn't develop any cracks under normal wear and tear conditions.



## Pressure Gauge

The state-of-the-art pressure gauge can be tested onsite, using a special magnet to ensure that it is working perfectly and is 100% accurate.



## World-class Quality

Comes with LPCB, Kitemark, EU-MED, UKCA-MER, CE, and UKCA certification, and conforms to BSEN standards. Comprehensive Helium Tests and Leak Tests also guarantee that the products you buy are manufactured according to the world's most stringent quality standards.



## Safe On Environment

Fluoroketone (FK) gas is amongst the most potent yet environment-friendly solutions with a Global Warming Potential (GWP) of less than 1 and a Ozone Depletion Potential (ODP) of 0.



## Glow-in-the-Dark Label

For ease of visibility and quick access even in complete darkness

Scan the QR code to know more about the product.


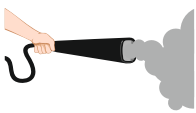

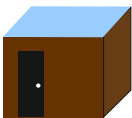

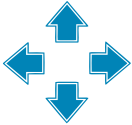









# WHY CHOOSE FLUOROKETONE ?

The need of the hour is to have extinguishing technologies that are potent on fire as well as safe to use in the presence of people.

Fluoroketone (FK) as an agent, does not reduce the oxygen level, it extinguishes by chemical reaction and is safe to use in confined areas as per the NFPA guidelines. In addition to this, the BS5306 does not recommend CO to be used in confined areas.

## Here is a quick comparison of FK agent for those wanting to make a purchase decision between FK and CO<sub>2</sub> extinguishers:

Aspect	Fluoroketone Extinguishers	CO <sub>2</sub> Extinguishers
Safety For Occupants 	Absolutely safe for use in populated areas as it does not displace oxygen.	If used in an enclosed or poorly ventilated area, there is a serious risk of choking/asphyxiation.
Risk of Freeze Burns 	No freeze-burn risk at the time of use does not cause any hindrance during firefighting.	Freeze burns caused at the time of use hampers in firefighting.
Safe on Sensitive Equipment* 	Absolutely safe for use on sensitive equipment.	Has the potential to damage sensitive equipment due to static/thermal shock.
Safe In Enclosed Areas 	Safe for use in enclosed spaces with human presence as it does not displace oxygen. Recommended as per the NFPA guidelines.	Displaces oxygen, posing suffocation. Not recommended for enclosed, confined, and unventilated areas as per BS5306-8-2012.
Safe for Environment 	With less than 1 Global Warming Potential (GWP), makes it earth-friendly.	GWP of 1 causes higher environmental impact.
Stress Factor 	Low 10 bar pressure for safety of occupants.	High 70 bar pressure potentially dangerous for occupants.
Weight 	Light mild steel container body making it easy to lift and move.	Heavy steel container making it heavy to lift and move.

Aspect	Fluoroketone Extinguishers	CO <sub>2</sub> Extinguishers
Maneuverability 	Lightweight and easy to move around to reach the emergency spot on time.	Heavy weight of extinguishers make maneuverability difficult during a fire emergency.
Ease of Maintenance 	Light in weight aids in ease of maintenance.	Heavy, hence difficult to maintain.
Visual Monitoring 	Pressure gauge allows checking the health and readiness of the extinguisher.	No pressure gauge, manual weighing is the method for checking the readiness of the extinguisher.
Electrostatic Charge 	No static charge risk hence making it safe for the firefighter.	The risk of electrostatic charge makes using CO <sub>2</sub> extinguishers a challenge.
Agent Efficiency 	Approximately half the quantity of (FK) agent can create the same suppression effect as CO <sub>2</sub> .	Consumes larger quantities of agent compared to FK to create a similar suppression effect.
Classes of Fire* 	Effective on Electrically Started Fires as well as Class A, B, and C.	Not recommended to be used on Electrically Started Fires in the presence of other classes of fire in the same environment.

\*As per BS5306 Part 8 -“It is unlikely that the electrical equipment itself will provide the major fuel source. The provision of extinguishers should therefore be decided on the basis of the other fire hazards in the area.”



# AUTOMATIC M-SERIES EXTINGUISHERS

## INTRODUCTION

The Ceasefire M Series Automatic extinguishers is a breakthrough range of Wall Mounted and Ceiling Mounted units that are designed for three-fold fire protection of a premises that is Intuitive (Self Activated), Responsive (Monitorable) and Scalable (Expandable).

Mounted and Ceiling Mounted variants and are designed to give 24x7 automatic fire protection to any space where human presence is low or absent and manual fire detection and fire fighting is a challenge.

The modular nature of these extinguishers make them retrofittable and can instantly be mounted in a variety of spaces, making the premises self-reliant on fire safety, without having to undertake any structural changes in the space.

The biggest strength of the Ceasefire M Series Extinguishers however is their ability to become monitorable and scalable. By opting for a Pressure Switch these extinguishers can be integrated to third-party devices to become monitorable. On the other hand these extinguishers can also be used as building blocks to form a scalable and integrated total flooding system by opting for Metron Actuators and connecting the units with fire detection devices and a control panel.



## Making the M Series Automatic Extinguishers Monitorable

With the presence of a pressure port in these extinguisher units, these can be made monitorable by opting for a Pressure Switch and can be integrated to any third-party device such as a Fire Alarm Panel, a stand-alone Siren Strobe or a Building Management System for monitoring purpose. This enables users to not only get an alert on activation of these units in case of fire but also do preventive-maintenance monitoring of the units.



In-built Pressure Port



Optional Pressure Switch



## Scaling up to a Total Flooding System

The Ceasefire M Series extinguishers can be used as building blocks to form an integrated total flooding system by opting for Metron Actuators which can be further connected with a network of detectors via a control panel to form a formidable fire suppression system.

# WALL MOUNTED AUTOMATIC M-SERIES EXTINGUISHERS

This innovative extinguisher functions as a standalone system. With simple wall-mount brackets, installation is quick and seamless. The telescopic arm (optional) further ensures precise coverage of hard-to-reach fire risk zones, offering an ideal solution for challenging installations while saving valuable floor space.



These wall-mounted automatic M Series extinguishers come equipped with a pressure monitoring port and by opting for a Pressure Switch these can be made monitorable by integrating it with third party devices such as BMS, Fire alarm systems, or Stand alone Sirens with/without beacon.





## FEATURES & BENEFITS OF WALL MOUNTED M-SERIES EXTINGUISHERS



### Easy To Install

Retrofittable system and can be installed with least amount of structural changes in a premises.



### Saves Space

Agent cylinders are wall mounted units that do not require any floor space.



### Automatic Actuation

Detects fire through thermal sensor and activates automatically.



### Extinguishing Agents

Available in Clean agent Fluoroketone (FK-5-1-12).



### Targeted Protection

Option flexible mounting bracket that enables optimal positioning of the extinguisher in the risk zone proving targeted protection.



### Container Sizes

These wall mounted units are available in 1kg, 2kg, 4kg, 6kg and 9kg variants to suit diverse kinds of premises and applications.



### Electrical Actuation Option

The units can be activated electrically by opting for metron actuators and connecting them to a network of detectors via a control panel to be configured as a Total Flooding System.



### Monitorable Option

These automatic extinguishers can be upgraded to become monitorable by opting for a pressure switch and integrating it with third-party devices.



### Certification

CE marked and UKCA approved.



### Secure Mounting Bracket

Comes with a secure mounting bracket for direct installation on the wall.

Scan the QR code to know more about the product.



## CEILING MOUNTED

# AUTOMATIC M-SERIES EXTINGUISHERS

Ceasefire Ceiling Mounted Automatic M Series Extinguishers are self-contained units with thermal sensors that detect the rise in the temperature of the area and activate automatically, even when there is no one present, ensuring that the fire is brought under control early and efficiently.

A key benefit of these units is that they not only bring automated protection for places with low human traffic, but being ceiling mounted they also save productive floor space of any premises in a big way.



The Ceiling Mounted Automatic M Series extinguishers come equipped with a pressure monitoring port and by opting for a Pressure Switch these can be made monitorable by integrating it with third party devices such as BMS, Fire alarm systems, or Stand alone Sirens with/without beacon.



# FEATURES & BENEFITS OF CEILING MOUNTED M-SERIES EXTINGUISHERS



## Automatic actuation

Detects fire through thermal sensor and activates automatically.



## Tamper Proof Design

Being ceiling mounted the extinguisher is tamper proof.



## Easy To Install

Retrofittable and can be installed with least amount of structural changes in a premises.



## Requires Minimal Fittings

Does not require an extensive network of pipes, fittings and ducts for installation.



## Highly Cost Effective

Does not require extensive fittings it works out to be price competitive.



## Saves Space

Agent cylinders are ceiling mounted units that do not require any floor space.



## Monitorable Option

These automatic extinguishers can be upgraded to become monitorable by opting for a pressure switch and integrating it with third-party devices.



## Electrical Actuation Option

The units can be activated electrically by opting for metron actuators and connecting them to a network of detectors via a control panel to be configured as a Total Flooding System.



## Extinguishing Agents

Available in Clean extinguishing agent Fluoroketone (FK-5-1-12).



## Container Sizes

These ceiling mounted units are available in 2kg, 5kg, 10kg and 15kg variants to suit diverse kinds of premises.



## Certification

BSI tested, CE marked and UKCA approved.

Scan the QR code to know more about the product.



# CREATING AN INTEGRATED TOTAL FLOODING SYSTEM

The Ceasefire M Series extinguishers can be used as building blocks to form an integrated total flooding system by opting for Metron Actuators.

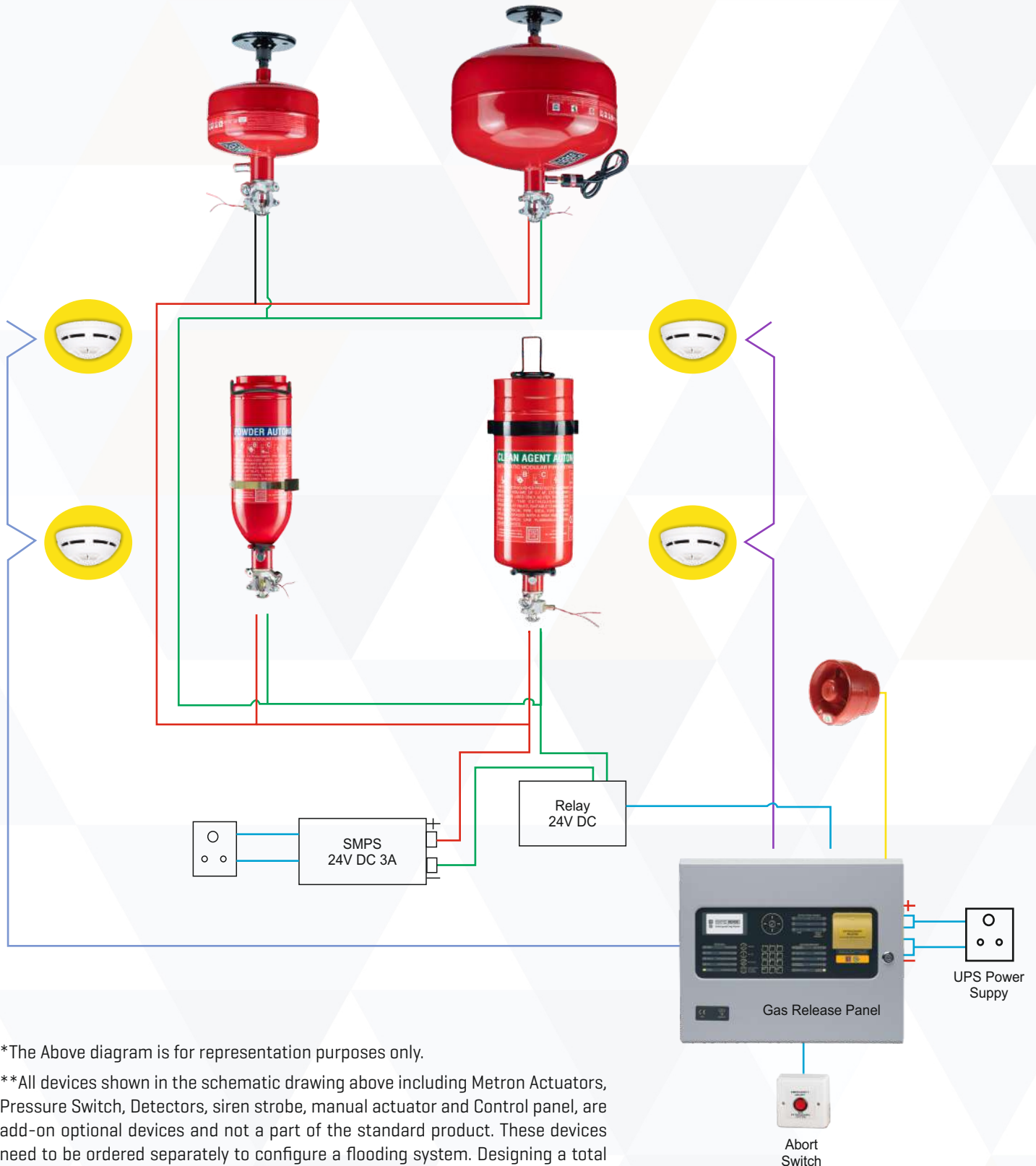
The user needs to opt for Metron Actuators to be installed at the Nozzle heads of the M Series extinguishers which can be further connected with a network of detectors via a control panel to form a formidable fire suppression system.

The detection module of the system can be configured using a wide variety of detectors such as smoke detectors, beam detectors, heat detectors, or others depending upon the need of the premises and all interact with a central control panel.

The system acts on the principle of cross-zoning. Only when two or more detectors from two separate zones confirm the fire episode to the control panel, the panel sends an activation signal to the system. The activation signal is sent to the Metron Actuator in the form of an electrical impulse. On receiving this electrical impulse a metal pin is fired inside the actuator that breaks the glass vial placed at the discharge point of extinguishing units, triggering the discharge of the agent. What makes such a system configuration truly versatile is that all fire suppression system units are triggered simultaneously to achieve total flooding results. Configuring a total flooding system using Ceasefire M Series Extinguishers for any premises requires a design process to be followed as defined in the system's manual.



# TYPICAL SCHEMATIC DRAWING OF AN INTEGRATED TOTAL FLOODING SYSTEM CONFIGURED USING M-SERIES AUTOMATIC EXTINGUISHERS



\*The Above diagram is for representation purposes only.

\*\*All devices shown in the schematic drawing above including Metron Actuators, Pressure Switch, Detectors, siren strobe, manual actuator and Control panel, are add-on optional devices and not a part of the standard product. These devices need to be ordered separately to configure a flooding system. Designing a total flooding system using M series extinguishers require system manual guidelines to be followed.

# FEATURES & BENEFITS OF OF AN INTEGRATED TOTAL FLOODING SYSTEM CONFIGURED USING M-SERIES AUTOMATIC EXTINGUISHERS



## Classification

Effective against all classes of fire.



## Certification

BSI tested, CE marked and UKCA approved.



## Agent Options

Available in Clean agent Fluoroketone (FK-5-1-12).



## Monitorable System

Each of the extinguishing units (wall mounted or ceiling mounted) are monitorable in nature via the Control Panel with the presence of a pressure switch.



## Scalable Protection

The system is designed to be scalable in nature, where you can add wall mounted or ceiling mounted units to the existing network of extinguishing units to expand the protection area in order to meet your growing needs.



## Intelligent Detection

The detection module of the system can include devices that are most suitable to address the risks present at the premises.



## Cost Effective Solution

Since the system does not require so many fittings, fixtures and plumbing, it works out to be highly cost effective.



## Container Sizes

The system includes ceiling mounted extinguishing units in 2kg, 5kg, 10 kg and 15 kg and wall mounted extinguishing units in 1kg, 2kg, 4kg, 6kg and 9kg variants to suit diverse kinds of premises and applications.



## Easy To Install

The system is a retrofittable one and hence can be installed in a running and functional premises without hindering the daily business operations of the place. This is because minimal structural changes are required to be done in the premises to install the system.



## Consumes Minimal Productive Space

The system being ceiling / wall mounted consumes no floor space. Big boon for business premises where productive floor space is not consumed by the system's agent containers.

# SYSTEM COMPONENTS

## OF AN INTEGRATED TOTAL FLOODING SYSTEM CONFIGURED USING M-SERIES AUTOMATIC EXTINGUISHERS

### Ceiling Mounted Units

Ceiling mounted agent container units that saves productive floor space and activate together to create total flooding results.



### Wall Mounted Units

Wall mounted agent container units are included in the system where ceiling space is not available or accessible and targeted protection is required.

### Detection Sensors

The system has a wide-ranging line-up of detection devices such as smoke detectors, heat detectors, flame detectors, and beam detectors. A mix of these devices may be used in the system based on the fire hazard of the premises.



### Control Panel

The control panel receives signal from the detectors and actuates the system while also monitoring the system readiness via pressure switch. A control panel can actuate upto six automatic units simultaneously. This capacity can be increased further by adding additional relay.

## Metron Actuator (UL & CE Certified)

This is an essential device required to configure a total flooding system using M-Series Extinguishers. The metron actuator receives an electrical impulse from the panel and fires a metal pin inside the actuator that breaks the glass vial placed at the discharge point of M-Series extinguishers.



## Pressure Switch (UL & CE Certified)

The presence of pressure switch marks the extinguishing units monitorable in nature so the user can always check the system's readiness. This optional device's role is to convert a mechanical action into a switching effect that completes the circuit to send a signal to activate the third party devices such as fire alarm systems, sounder beacons or building management systems.

## Conventional Wall Sounder with Beacon

Ceasefire's Sounder with Beacon (optional) is a vital addition to our suite of fire safety solutions, engineered for effortless integration with all pressure switch-compatible solutions such as wall mounted and ceiling-mounted fire extinguishers. Built to respond instantly in emergencies, this high-performance device combines a brilliant strobe light with a powerful audible alarm to deliver clear, unmistakable alerts in the event of a fire, ensuring your premises stay protected at all times.



## Telescopic Arm

The optional telescopic arm ensures precise coverage of hard-to-reach fire risk zones, where protecting specific assets is the priority.

# CEASEFIRE MINI<sup>PRO</sup>

## MICRO-ENVIRONMENT FIRE SUPPRESSION

Introducing the Ceasefire Mini Pro, the biggest, smallest suppression system in town; and proof that some of the best things do come in small packages.

The Mini Pro is a state-of-the-art micro-environment suppression system that comes equipped with a provision to be made monitorable by pressure switch. The size of your palm, it sits snugly inside small enclosed spaces that are vulnerable to fire. When the temperature of the micro-environment exceeds a preset limit, the Mini Pro swings into action and automatically extinguishes the fire. Place it inside your server. Pop it in the fuse box. The Mini fits anywhere, and protects everywhere!

### EVOLVED TO PROTECT

Provision of a pressure port in the new improvised Mini Pro makes it monitorable in nature by using a pressure switch. With this unique upgrade the user can integrate Mini with any third-party device such as a Fire Alarm System or a Standalone Sounder Beacon.



### Monitoring Capability

Presence of a pressure port in Mini allows it to be connected to a pressure switch. This makes Mini monitorable in nature, so the user can always check the unit's readiness and can be alerted on its activation by integrating Mini with any third-party device such as a Fire Alarm System, a Standalone Sounder Beacon or a Building Management System.



# TYPES OF CEASEFIRE MINI PRO

Ceasefire has designed a Mini to protect practically every kind of micro-environment, including those that cannot be reached by humans.



### Mini Pro - Intuitive System

The Mini - Intuitive System is a direct suppression system which protects the micro-environment from inside. Place it inside or attach it to the inner wall of the micro-environment, and the Mini is ready to protect.



### Mini - Adaptive System

The Mini - Adaptive System is a direct suppression system designed for those micro-environments which are too small to even accommodate a Mini, let alone other firefighting systems. In this case, the Mini container is installed outside, with its heat-sensitive glass bulb inside the micro-environment.

# COMPONENTS OF THE MINI<sup>PRO</sup>



### Heat-sensitive Glass Bulb:

The Mini's heat-sensitive glass bulb acts as the heat detector. In case the temperature inside the micro-environment rises beyond a preset level, the glass bulb breaks to activate the system. In the Intuitive System, the glass bulb is attached to the main container. While in the Adaptive System, it is attached to a stainless steel barrel which extends from the container.

Ceasefire has specifically designed glass bulbs depending on the temperature conditions of the micro-environment to be protected.

■ In low-temperature settings, like air-conditioned offices, hospitals, server rooms, etc., 57°C is the ideal temperature for electrical cabinets.

### QUARTZOID BULB KEY\*

- 57°C / 135°F
- 68°C / 155°F
- 79°C / 174°F
- 93°C / 200°F
- 141°C / 286°F

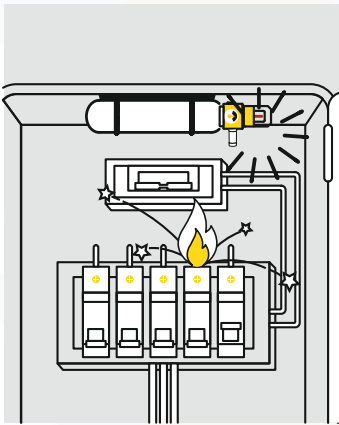
\*Quartzoid bulb in other temperature setting as below is available on request and would be dependent on MOQ for your region. Please check the availability and delivery time before ordering.

\*\*The pressure switch shown in the visual above is for representation purposes only. It is an optional device and is not a part of the standard products.

# TECHNOLOGY MEETS DESIGN IN THE HANDY CEASEFIRE MINI<sup>PRO</sup>

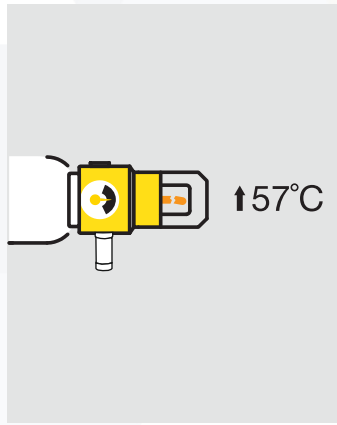
Built to protect micro-environments, the Ceasefire Mini automatically kicks into action in a fire situation.

## a. ADAPTIVE SYSTEM



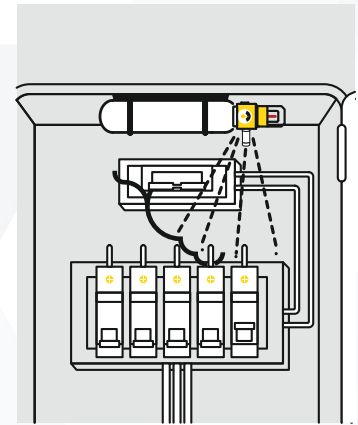
### Stage 1:

A fire sparked by a short circuit causes the pressure inside the Mini's glass bulb to increase.



### Stage 2:

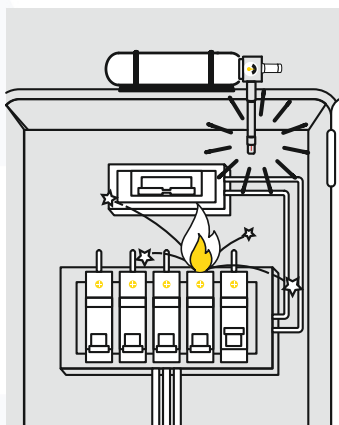
The very second the temperature rises beyond a point, the bulb breaks and activates the system.



### Stage 3:

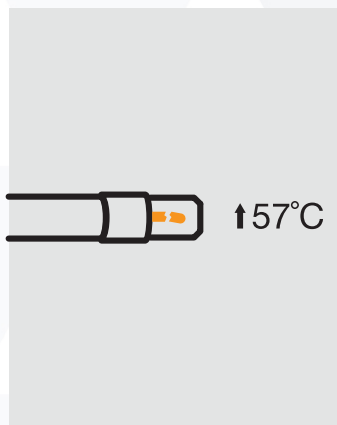
Instantly, the extinguishing agent is dispersed, killing the fire in its early stages.

## b. INTUITIVE SYSTEM



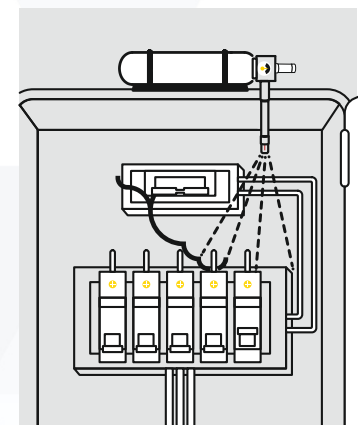
### Stage 1:

A fire sparked by a short circuit causes the pressure inside the Mini's glass bulb to increase.



### Stage 2:

The very second the temperature rises beyond a point, the bulb breaks and activates the system.



### Stage 3:

Instantly, the extinguishing agent is dispersed, killing the fire in its early stages.



## FEATURES & BENEFITS OF CEASEFIRE MINI<sup>PRO</sup>



### Ease Of Use

Being automatic, the Mini requires no prompt to start firefighting.



### Electronics-friendly

The Mini is filled with clean agent Fluoroketone (FK) that causes no damage to your electronics.



### Heat-sensitive Glass Bulb

The Mini's glass bulb acts as a heat sensor that detects a rise in surrounding temperature.



### Easy To Install With 2 Mounts

The Standard and Busbar mounts make installation a breeze.



### No Power Supply Required

The Mini uses a mechanical release mechanism to start firefighting.



### Maintenance-free

The Mini comes with a 5-year warranty and the assurance of no leakage.



### Fits Anywhere

The Mini can easily fit into the spots that are most prone to fire.



### Works On All Classes Of Fire

The Mini can be used on any kind of fire, making it a truly versatile firefighter.



### Monitorable Option

These automatic extinguishers can be upgraded to become monitorable by opting for a pressure switch and integrating it with third-party devices.



### Protects All Micro-Environments

Available as an Intuitive or Adaptive System, the Mini protects everywhere.



### Self-actuation

Since the Mini is self-actuated, it spots the fire and protects even when no one is around.

Scan the QR code to know more about the product



\*The pressure switch shown in the visual above is for representation purposes only. It is an optional device and is not a part of the standard products.

# CEASEFIRE IN-PANEL TUBE-BASED SUPPRESSION SYSTEMS (FK-5-1-12)

Considering the need for automatic fire protection, Ceasefire presents an In-Panel Tube-based System for micro enclosed spaces, specifically designed to protect high-risk enclosed spaces.

The system is designed specially to protect high risk enclosed spaces considering the complex construction, shape and characteristics of such spaces such as electrical panels, MCB boxes, server racks, CNC machines, etc where the fire risk is randomly distributed inside these spaces and any point inside could become a source of fire due to the complex nature of wirings, integrated circuits, fuses and power connections present inside.

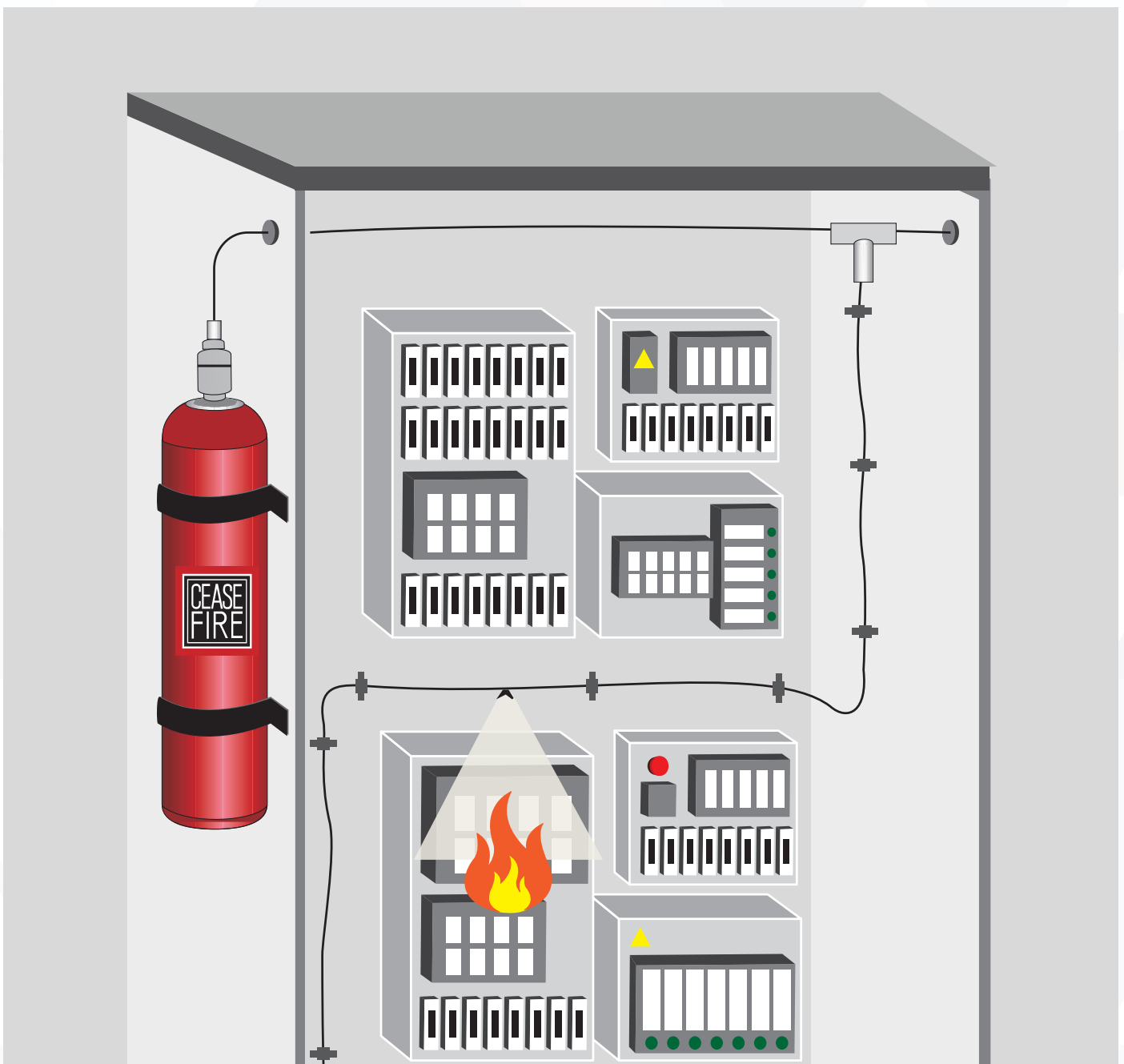


A signature component in Ceasefire's In-Panel Tube-based Systems is the specially designed heat-sensitive pneumatic polymer tube. In the event of a fire, the heat-sensitive tube detects an increase in temperature and bursts upon coming into contact with flames, activating the system automatically and extinguishing the fire at the source. Available with Fluoroketone (FK) as the extinguishing agent, this system offers environmentally friendly fire suppression without leaving residue, providing protection that's not only powerful but also clean and sustainable.

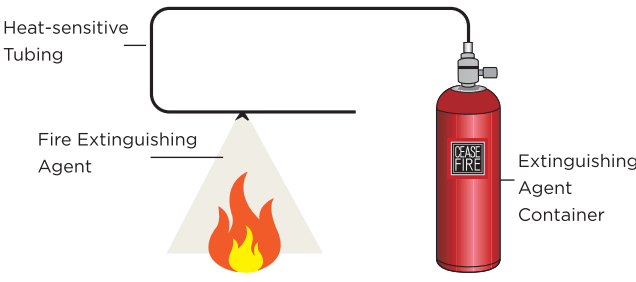
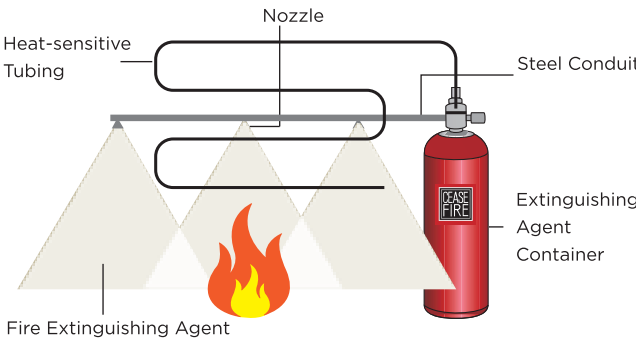
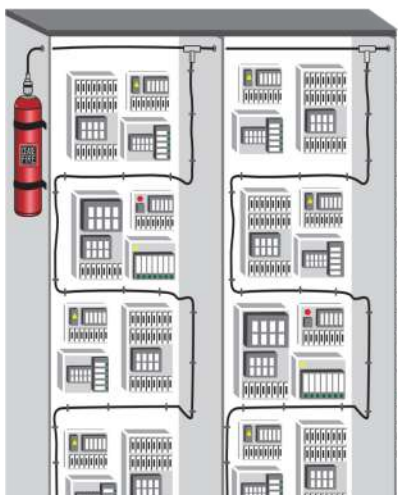
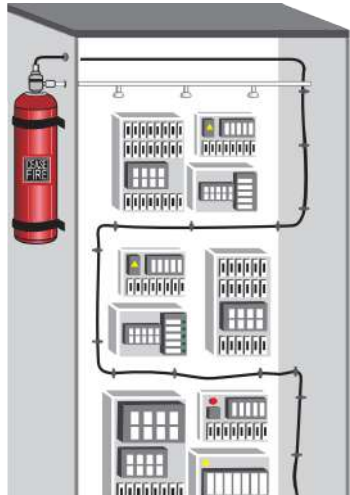
## HOW THE SYSTEM WORKS?

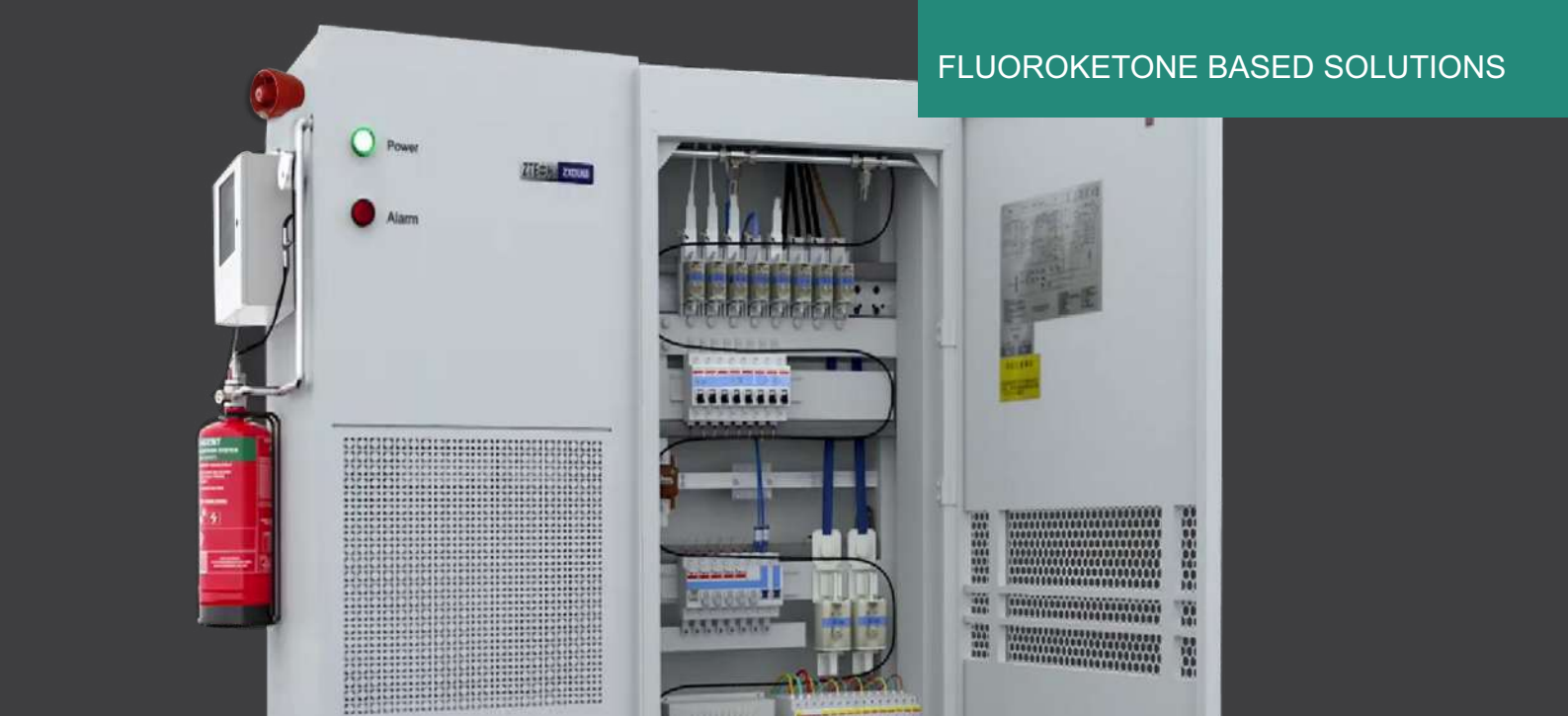
This heat-sensitive pneumatic polymer tube is connected to an extinguishing agent container at one end, while the rest of it runs unobtrusively inside the micro space that needs to be fire protected, covering all high risk points inside the space. In the event of a fire, the flames come in contact with this heat-sensitive tubing and upon reaching a temperature level of 150° - 180°C, this tube bursts open and activates the system.

The technology makes this system entirely self-activated, and requires no human intervention once it has been installed. This makes it especially beneficial for high risk micro- environments that are vulnerable to fire and cannot be manually monitored 24x7.



# THE TWO PRIME SYSTEM VARIANTS

<p>The system is available in two prime technologies and the choice of selection of</p>	<p>The system variant depends upon the nature of the space that needs to be protected.</p>
<h2 style="text-align: center;">DIRECT SYSTEM</h2> 	<h2 style="text-align: center;">INDIRECT SYSTEM</h2> 
<p>In the Direct System the heat-sensitive tubing acts as an extinguishing agent delivery system. The tube bursts at the point where the fire is detected, forms a miniature nozzle and sprays the extinguishing agent. This system can run intricately and unobtrusively through Panels, MCBs, Gensets and electrical mains boxes that are often compartmentalised in nature, and is triggered instantly and automatically.</p> <p>This eliminates the need for human intervention and provides a swift and comprehensive solution. This is available in low-pressure and high-pressure systems.</p>	<p>In the Indirect system, the heat-sensitive tubing only acts as a detection device. The extinguishing agent is delivered through a steel conduit and sprayed across the entire area through strategically placed nozzles.</p> <p>This system configuration is ideal for spaces that are non-compartmentalised and total flooding in the entire cabinet / chamber is possible. For example, in a large electrical cabinet, where a voltage surge can short-circuit components at multiple locations and cause them to catch fire. This system variant too is available in both, low-pressure and high-pressure systems.</p>
	



## FEATURES & BENEFITS OF IN-PANEL TUBE BASED SUPPRESSION SYSTEMS



### Classification

Fights Class A, B, C and Electrically started fires.



### Self – Contained

Does not require any power supply and will function normally in the event of a power outage.



### Extended Reach

Flexible tubing extends protection to areas that are difficult to access and may not be able to accommodate any other means of detection.



### Certifications

BSI tested, LPCB, UL, CE and UKCA certified



### Application

Ideal for places where fires can break out in localised areas.



### Rugged Design

Can withstand even harsh conditions where other types of detection systems might be rendered inadequate.



### Instant Self-activation

Eliminating the need for human intervention, the system is in a perpetual state of readiness to combat a fire as soon as it breaks out.



A,B,C,£

### Easy Installation

Simple design, and can be installed within a few hours, which means a significant reduction in labour costs and downtime

Scan the QR code to know more about the product.



# CUSTOMISED SOLUTIONS FOR DIVERSE APPLICATIONS

## AVANT-GARDE TECHNOLOGY FOR MODERN CHALLENGES IN EMERGING SPACES

At Ceasefire we understand every space has its unique fire risks and that is where our bespoke fire solutions come in which are designed exclusively to address the risk of fire in these specific environments. Our specialised solutions are the answer to tackle these modern day fire challenges in a wide variety of spaces and applications.



Vehicle Engines.



Manufacturing Zones.



Wind Turbines.



Office Spaces.



Electrical Panels.



CNC Machines.

Explore Now





# WATERMIST BASED SOLUTIONS

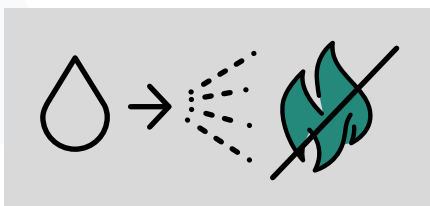
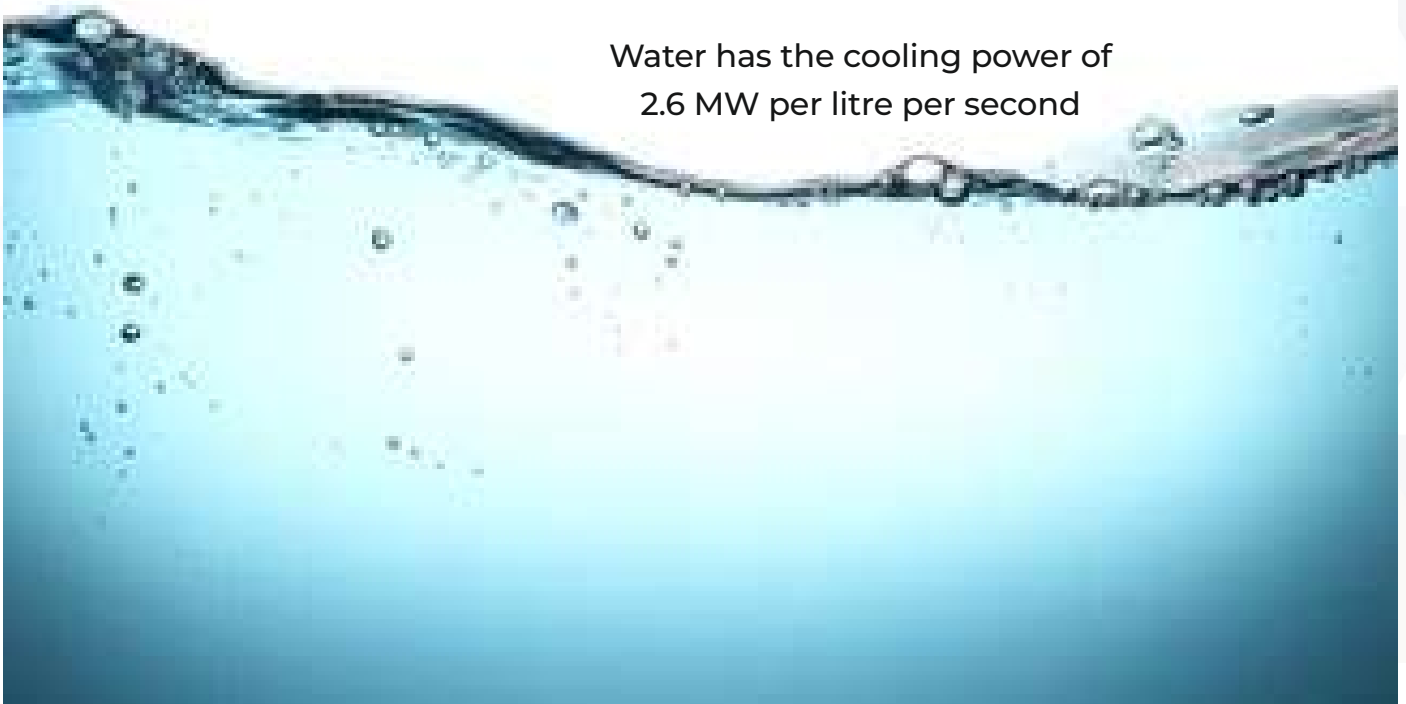
## THE GREENEST, CLEANEST MOST VERSATILE FIREFIGHTERS



# REVOLUTIONARY TECHNOLOGY: WATERMIST

It's common knowledge that there is no extinguishing agent more potent than water. With its massive cooling power of 2.6 MW per litre per second, water kills even the largest of fires in minutes. But even fire's worst adversary has its shortcomings. Using water on an electrically started blaze can be a fatal mistake. What you need is cutting-edge technology that changes water's natural form, so that it can fight fires without causing any collateral damage.

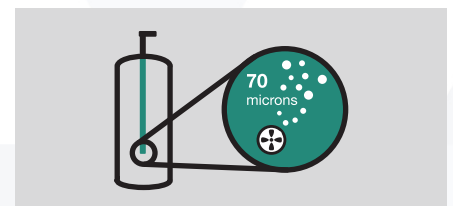
Water has the cooling power of  
2.6 MW per litre per second



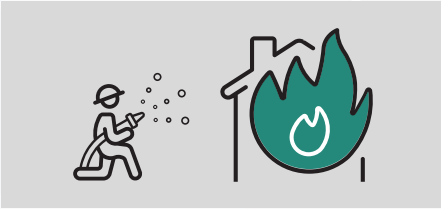
Not only does this firefighting system break water down into the exact micron size required to fight the flames, it gives Watermist the immense energy it needs to reach the fire at a force.



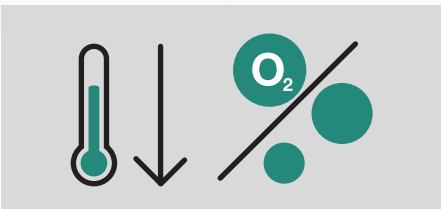
This makes it the only portable system of its kind that combines two revolutionary technologies – Watermist and stored pressure – into a portable extinguisher that can take down even the largest of fires, including electrically started fires.



First, the Multi-Rotors located within the portable extinguisher turns water into droplets of 70 micron size by mixing it with air in a pre-set proportion.



This produces Watermist, which increases the coverage area of water to fight fires many times over. The TetraQuad then uses stored pressure technology to deliver Watermist with a kinetic force strong enough to overcome the fire's own convection currents.



When Watermist falls on the fire, it rapidly brings down the temperature to below combustible levels, cuts off the oxygen supply and kills the flames.

Besides, being 100% green, Watermist causes no damage to equipment or the Earth. Making it absolutely safe to use on electronics, sensitive equipment and, above all else, human lives.



# CEASEFIRE WATERMIST

## PORTABLE FIRE EXTINGUISHERS

For centuries, man has done everything in his power to defeat fire. From bucketfuls of sand to advanced chemical powders and additives, from woollen blankets to sophisticated fire engines, all have been pitted against it.

Now, fire meets its fiercest opponent - the cleanest extinguishing agent known to man, Water. These extinguishers use stored pressure technology, advanced rotors and specially designed nozzles to generate an ultra-fine spray of water called Watermist. Watermist, when it comes in contact with fire evaporates rapidly, blocking the entry of oxygen in the fire zone and bringing down the temperature to below combustion levels. This green, all-natural extinguishing agent causes no collateral damage at all – not to your premises nor the ozone. It is tough on fire, yet gentle on the environment.



**FIGHTS CLASS**

**A F ⚡**

**CERTIFICATIONS**



## FEATURES & BENEFITS OF WATERMIST EXTINGUISHERS



### Water Efficient

Specially designed nozzles that convert water into a fine mist with minuscule droplets that increase the coverage of water in the fire zone.



### Solid Stainless Steel Body

Its solid stainless steel body can withstand high temperatures.



### Reduces damage

Uses filtered water, eliminating collateral damage.



### World-class Quality

Comes with LPCB, Kitemark, EU-MED, UKCA-MER, CE, and UKCA certification, and conforms to BSEN standards. Comprehensive Helium Tests and Leak Tests also guarantee that the products you buy are manufactured according to the world's most stringent quality standards.



### Safe To Use On Electrical Fires

Suitable for use on live electrical equipment up to 1000 V from a distance of 1 meter.



### Types Of Fire

Fights Class A, F & Electrically Started Fires.



### Warranty

These Ceasefire Extinguishers come with a 5-year warranty ensuring complete peace of mind.



### Environment Friendly

The use of distilled water in combination with cutting-edge technology ensures these extinguisher have no negative impact on the environment.



### Glow-in-the-Dark Label

For ease of visibility and quick access even in complete darkness

Scan the QR code to know more about the product.



# CEASEFIRE ACTION-PAC

## PORTABLE WATERMIST EXTINGUISHERS

Presenting the Ceasefire Action-Pac extinguisher, the first of its kind in the world. Powered by 100% Watermist, this backpack & trolley-mounted fire extinguisher is packed with immense fire fighting power and can easily be carried to the scene of the fire to battle the flames.



FIGHTS CLASS  
**A B ⚡**

CERTIFICATIONS  
**CE UK CA**

# FEATURES & BENEFITS OF ACTION-PAC EXTINGUISHERS



## Easy To Use With Quick Activation

Being a stored pressure extinguisher, the Action-Pac requires no cartridge system (internal or external) activation. It's always ready. Simply press the trigger to activate.



## Safe On Humans

Since the Action-Pac uses Watermist to suppress fires, it can safely be used around people. It's ideal for places where there is high human traffic, like cinemas and auditoriums.



## Available In Pure Watermist Or In Watermist + Foam

The Action-Pac is available in two variants, as per your needs.



## Low Pressure, Safe Technology

Being a low pressure extinguisher, there are no risks involved in case the extinguisher is used by mistake, even if people are around.



## Does Not Require Any Electricity

The Action-Pac doesn't require any electricity to function. It's always ready to fight the flames.



## Safe To Use On Electrical Fires

Suitable for use on live electrical equipment up to 1000 V from a distance of 1 meter.



## 1 Minute Of Continuous Discharge

Packed with 60 seconds of extinguishing power.



## Types Of Fire

Fights class A, B, & Electrically Started Fires.



## Watermist Ensures No Flooding

Since the mist evaporates quickly, there is no chance of flooding and collateral damage.



## Anti-bacterial Additive

This additive prevents any kind of bacterial growth in the water, keeping the water clean and fresh.



## EPDM Rubber Hosepipe

This durable, long-lasting pipe doesn't develop any cracks under normal wear and tear conditions.



## Ideal For Rapid Reaction

Activated in seconds and lightweight, the Action-Pac is ideal for single person response fire situations.



## Environment Friendly

The Action-Pac uses bio-degradable foam and water to fight fires. Making it an extinguisher that also protects the Earth.



## Spray And Jet Modes

The Jet Mode delivers a large amount of the extinguishing agent, while the Spray Mode offers extensive coverage. Modes can be easily switched using a lever.

Scan the QR code to know more about the product



# CEASEFIRE QUAD - WATERMIST

## WHEELED EXTINGUISHERS

Ceasefire Quad brings together the efficiency of a fire extinguisher with the power of a hydrant system – without the drawbacks. Harnessing water's immense cooling powers and multiplying them hundreds of times over, Ceasefire Quad breaks water down into a fine mist of under 80 microns. This mist is then thrown at the fire with a great kinetic force, covering a large surface area. As soon as the mist comes into contact with the fire, it instantly turns into steam. Enveloping the flames, cutting down the oxygen supply and reducing temperature to below combustion levels.

The Quad's Multi-Rotors, located within the mist generator, work in tandem, mixing water and air in a pre-set proportion to generate Watermist in the specially designed discharge gun. Thereby increasing the power of water by 400 times.

Meant for areas where fire risk is huge, or where large amount of combustible materials are stored, the trolley-mounted Quad can be taken anywhere with ease.



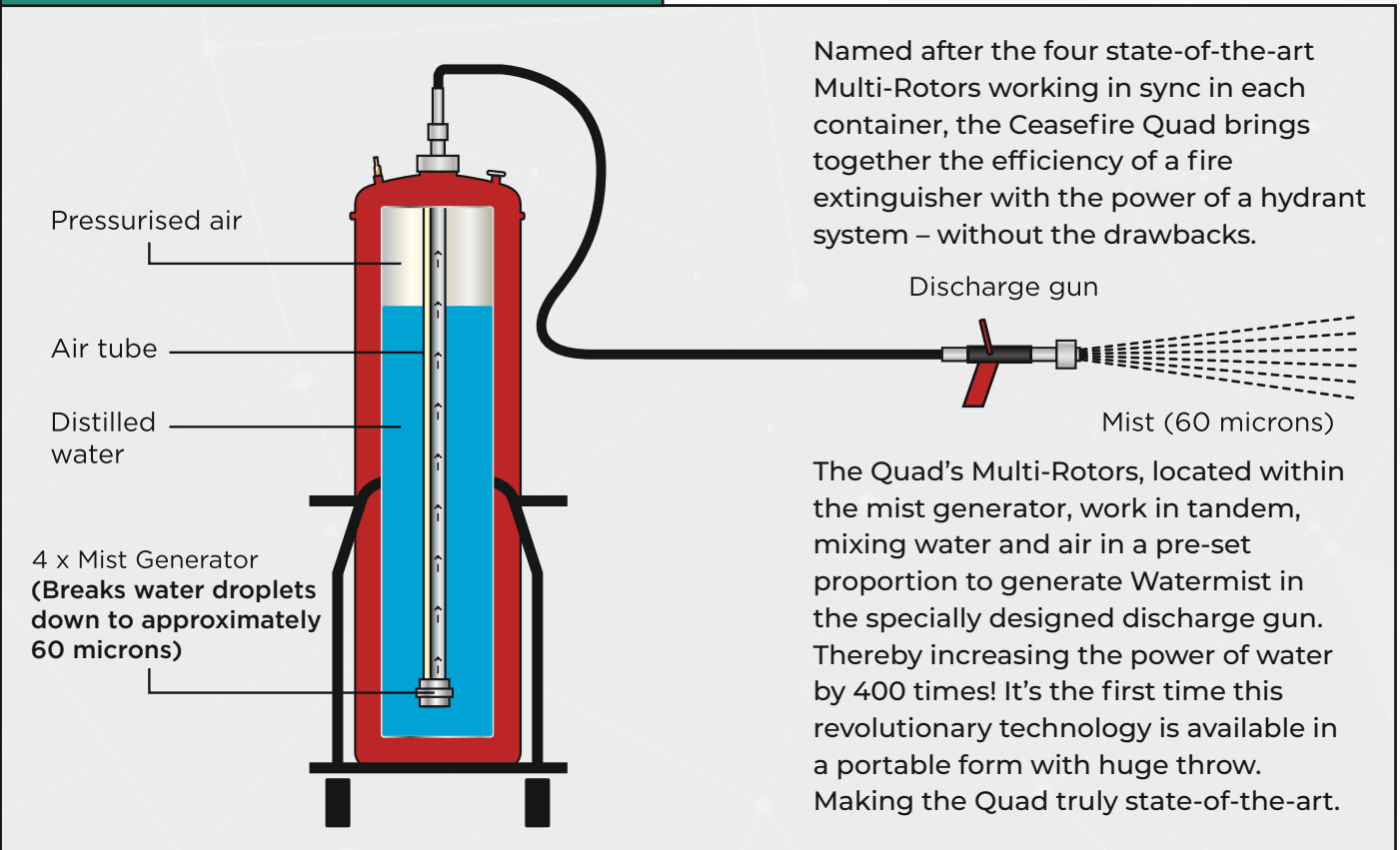
FIGHTS CLASS

A

CERTIFICATIONS



THE FUNCTIONALITY OF THE CEASEFIRE QUAD

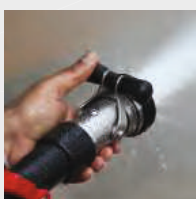


Meant for areas where fire risk is huge, or where large amount of combustible materials are stored, the wheel-mounted Quad can be taken anywhere with ease.

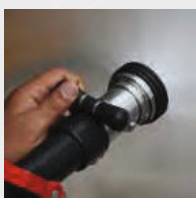


THE DISCHARGE GUN

The Ceasefire Quad fights fires with a lightweight dual-mode gun.



**The Jet Mode** of the gun enables the firefighter to deliver large quantities of extinguishing agent into the fire zone from a distance to subdue the fire.



**The Spray Mode** offers extensive coverage and protection against radiant heat when the firefighter approaches near to the fire zone. Modes can be easily switched using a lever.

The 5 metre EPDM hose pipe, with throw of 14-16 metres, adds to the Quad's firefighting effectiveness. Allowing the firefighter to maintain a safe distance from the raging fire. The Quad ensures zero risk of thermal shock and offers protection against fire's intense heat. What's more, it is safe to use on any fire, including electric, thanks to its sub-80 micron mist.

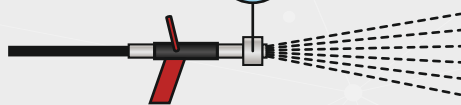


THE QUAD AS A WATERMIST BASED SYSTEM

Though water is one of the most potent fire extinguishing agent around, large quantities are required to extinguish a fire. Harnessing water's immense cooling powers and multiplying them hundreds of times over, Ceasefire's Watermist technology breaks water down into a fine mist of under 80 microns. This mist is then thrown at the fire with a great kinetic force, covering a large

surface area. As soon as the mist comes into contact with the fire, it instantly turns into steam. Enveloping the flames, cutting down the oxygen supply and reducing temperature to below combustion levels. Powered by Watermist, the Ceasefire Quad is unstoppable. Equipped with four Multi-Rotors in each container, it's fully capable of generating Watermist quickly and efficiently.

Water breaks down into a fine mist of under 80 microns.



Mist is thrown with great force



Mist turns into steam, covering the flames and lowering the temperature

## FEATURES & BENEFITS OF QUAD WHEELED TYPE EXTINGUISHERS



### Jet And Spray Jet Modes

With a throw of 14-16 metres, the Wheeled Watermist-Based System comes with two firefighting options. The Jet Mode of the gun enables the firefighter to deliver large quantities of extinguishing agent into the fire zone from a distance to subdue the fire. The Spray Mode offers extensive coverage and protection against radiant heat when the firefighter approaches the fire zone. Modes can be easily switched using a lever.



Jet Mode



Spray Mode

\* The dual-mode gun in Quad is available only in CE-certified models.



### Does Not Require Any Electricity

It's always ready to fight the flames. As it does not depend on electricity.



### EPDM Rubber Hose Pipe

This durable, long-lasting pipe doesn't develop any cracks under normal wear and tear conditions.



## Easy To Use With Quick Activation

Being a stored pressure extinguisher, the system requires no cartridge system (internal or external) activation. It's always ready. Simply press the trigger to activate.



## Tamper-proof Safety Seal

This seal ensures that the extinguisher has not been tampered with, and is ready for use in the event of a fire.



## Every Extinguisher Is Hydrostatic Pressure Tested

This process ensures that your system performs perfectly. Because when it comes to fire, there are no second chances.



## Types Of Fire

Fights class A Fires.



## Anti-bacterial Additive

This additive prevents any kind of bacterial growth in the water, keeping the water clean and fresh.



## Safe on Humans

Being a watermist based system, it can safely be used around people. It makes an ideal extinguisher for places where there is high human traffic, like cinemas and auditoriums.



## Maintenance By Mere Observation Of The Pressure Gauge

If the pressure needle is in the green zone, it indicates that the extinguisher is in perfect working condition, and all the components are at their optimum.



## Warranty

These Ceasefire Extinguishers come with a 5-year warranty ensuring complete peace of mind.



## Low Pressure, Safe Technology

Being a low pressure extinguisher, there are no risks involved in case the extinguisher is used by mistake, even if people are around.



## Wheeled Base, Therefore Portable

Can be easily carried or wheeled to the scene of fire without any delay.



## Stainless Steel Body

The extinguisher's stainless steel body ensures that there is no chance of corrosion.



## Environment Friendly

It uses biodegradable water to fight fires. Making it an extinguisher that also protects the earth.

Scan the QR code to know more about the product.

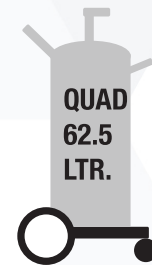


# CEASEFIRE TETRAQUAD

## THE 4X4 WATERMIST FIREFIGHTER

Presenting for the first time time, the Ceasefire TetraQuad. A power-packed Watermist-based system that takes firefighting up 4x4. It is Ceasefire's, biggest and toughest standalone firefighter to date.

The TetraQuad takes the power of the Quad four times ahead. Named after the four state-of-the-art multi-rotors working in sync in each of the four 62.5 Ltr. containers (250 Ltr. capacity), the Ceasefire TetraQuad brings together the efficiency of a fire extinguisher with the power of a hydrant system – without the drawbacks.



**X 4 = 250 LTR.**

FIGHTS CLASS

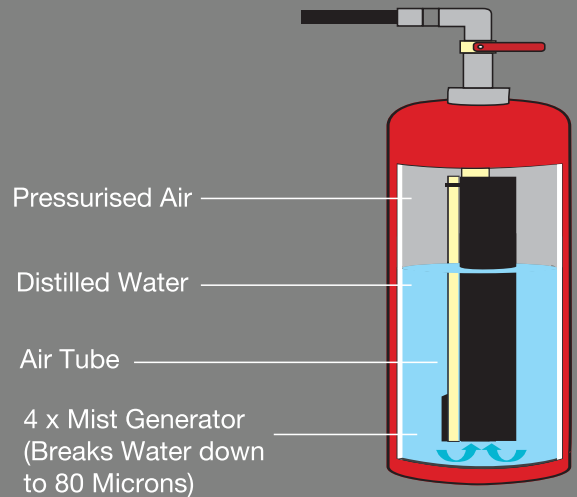
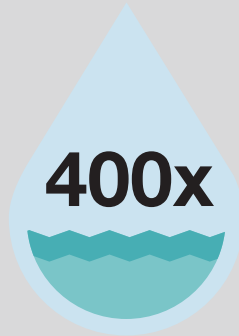
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# THE FUNCTIONALITY OF THE CEASEFIRE TETRAQUAD

The TetraQuad's Multi-Rotors, located within the mist generator, work in tandem, mixing water and air in a pre-set proportion to generate Watermist in the specially designed discharge gun. Thereby increasing the power of water by 400 times! Making the TetraQuad truly a state-of-the-art protector.



## THE 3-DISCHARGE GUN

The Ceasefire TetraQuad fights fires with a lightweight dual-mode gun or a foam canon.



**The Jet Mode** of the dual-mode gun enables the firefighter to deliver large quantities of extinguishing agent into the fire zone from a distance to subdue the fire.



**The Spray Mode** offers extensive coverage and protection against radiant heat when the firefighter approaches the fire zone. Modes can be easily switched using a lever.



**The Foam Cannon** is perfect for Class B fires. Offering a huge throw, it dispenses large quantities of foam over the fire quickly and efficiently.

# A COMPLETE FIREFIGHTING MACHINE

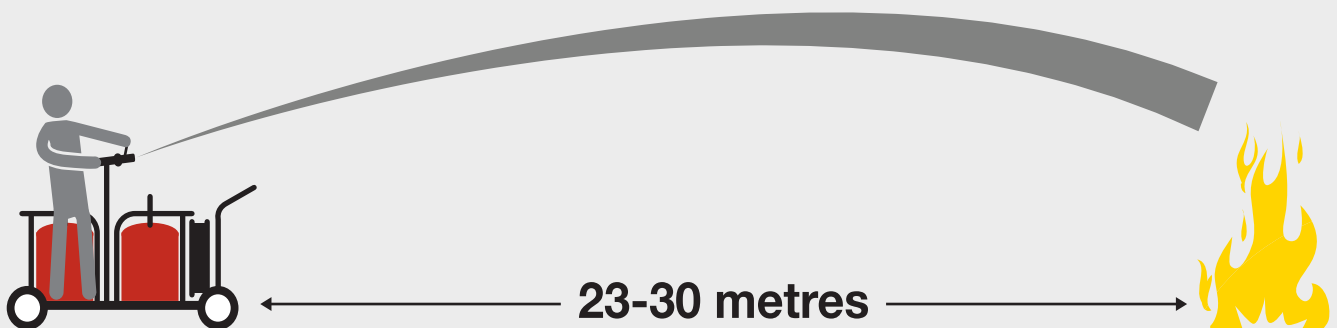
## The TetraQuad as a Watermist-based System

Powered by Watermist, the TetraQuad can take on any fire. Equipped with four Multi-Rotors in four containers, it's fully capable of generating Watermist quickly and efficiently. Available as trolley-mounted or vehicle-mounted system, it's truly an unstoppable 4x4 firefighter.



## + The TetraQuad as a Watermist-based System

The quickest way to kill a fire is to not let it feed off the oxygen in the vicinity. With a sub-70 micron size mist, the TetraQuad ensures there's no risk of electric conduction, thermal shock or recoil while operating.



# FEATURES & BENEFITS OF TETRAQUAD WHEELED TYPE EXTINGUISHERS



## Easy To Use With Quick Activation

Being a stored pressure extinguisher, the TetraQuad requires no cartridge system (internal or external) activation. It's always ready. Simply press the trigger to activate.



## Controllable Discharge Mechanism

The Ceasefire TetraQuad fights fires with a lightweight Dual-mode Gun or a Foam Cannon, with a massive 30 metre throw.



## Long Hose

The TetraQuad's 30 metre hose makes firefighting easy, allowing firefighters to manoeuvre their way towards the fire, point the hose and fight the flames. This durable, long-lasting, Nylon braided rubber hose pipe doesn't develop any cracks due to wear and tear.



## Safe On Humans

Since the TetraQuad uses Watermist to suppress fires, it can safely be used around people. It is an ideal extinguisher for places where there is high human traffic, like cinemas and auditoriums. It also protects against thermal shock.



## Does Not Require Any Electricity

The TetraQuad doesn't require any electricity to function. It's always ready to fight the flames.



## Types Of Fire

The TetraQuad is a massive firefighting system effective against class A fire.



## Environment-friendly

As a Watermist system, the TetraQuad also protects the Earth.



## Wheeled Extinguisher

Can be easily rushed to the scene of fire without any delay.



## Stainless Steel Body

The extinguisher's stainless steel body ensures that there is no chance of corrosion.



## 4 Cylinders, Massive Firefighting

The TetraQuad has four 62.5 litre cylinders. That's 250 litres of humongous firefighting power at its disposal!



## Maintenance By Mere Observation Of The Pressure Gauge

If the pressure needle is in the green zone, it indicates that the extinguisher is in perfect working condition, and all the components are at their optimum.



## Low Pressure, Safe Technology

Being a low pressure system, there are no risks involved in case the extinguisher is used by mistake, even if people are around.

Scan the QR code to know more about the product.



# COMMERCIAL KITCHEN SUPPRESSION SYSTEM (ENVIRO SERIES)

The Watermist Based Kitchen Suppression System comes with an advanced detection mechanism. Its Pneumatic Heat Sensing Tubes run through the length of the hood, covering all vulnerable areas giving continuous protection.

In an event of a fire, these tubes (pressurised with N<sub>2</sub>) burst at a pre-set temperature - creating a puncture in the tube - allowing the pressurised nitrogen to escape and the pressure to drop. This fall of pressure activates the valves, allowing the rotors placed inside them to mix air and water in pre-set proportions.

When these particles of air and water reach the nozzles, their combined velocity atomises the water particles to create micro-mini droplets of 54 microns. And it is this Watermist that's propelled through the nozzles onto the fire. Quickly turning into steam, blocking the oxygen supply, and bringing the temperature to below combustion levels.



LPS 1223  
Cert/LPCB Ref. 1329a

The huge benefit of Watermist is that it is an absolutely clean extinguishing agent. Which means it doesn't cause any damage; either to the expensive kitchen equipment or food items. Allowing the kitchen to get back into action without any significant downtime.

Another big advantage of the system is the Heat Sensing Tubes, that provide uniform, multi point detection throughout the length of the hood; unlike the fusible plug/link based detection which is built to detect fires right below the point where they are placed. This enables the chef to move the hot area as per the requirement of the meal service, without any hassle.

The nozzles too are versatile, and are designed to extinguish fires arisen due to deep frying, shallow frying, baking, grilling or roasting.





## FEATURES & BENEFITS OF COMMERCIAL KITCHEN SUPPRESSION SYSTEM



### 24-hour Protection

Automatic detection and actuation controls ensure fire protection is always 'up'.



### Multiple Triggers

The system can be triggered either by the manual actuation system or the automatic detection system.



### Highly Flexible

Available in a variety of sizes that can be customised as per the application.



### Highly Effective

Watermist prevents re-ignition by cooling down the temperature of the heated oil.



### 2 Variants

Available in two variants – 27 ltr & 56 ltr.



### Certification

LPCB Certified System



### Minimal Downtime

The clean water leaves no toxic chemicals, doesn't damage eatables and reduces post-fire damage, ensuring the kitchen is back in service quickly.



### Highly Reliable

A fully assembled and 100% tested Mechanical Control Head ensures reliable operation. Pressure gauges on the steel cylinders mark the gas levels, allowing maintenance staff to replenish it whenever required. Protective chrome nozzle covers keep the nozzles free of contamination and blockages caused by grease or other cooking by-products.



### Unobtrusive Design

Flexible piping configurations allow for a streamlined design and convenient installation that won't interfere with kitchen workflow.

Scan the QR code to know more about the product.



# RESIDENTIAL KITCHEN SUPPRESSION SYSTEM (ENVIRO SERIES)

Ceasefire's Residential Kitchen Fire Suppression System takes care of the aesthetics of your painstakingly curated home.

The detection device, activation nozzles and the agent cylinders are all carefully tucked inside so that the components of the system blends in the current scheme of things in the area of application, without clashing with the décor of the kitchen.

Ceasefire Residential Kitchen Firefighting Range operates automatically in the event of fire. This removes the risk of a person to fight the fire or even worse fight fire incorrectly. The system detects fire through its pneumatic heat sensing tube spread through the length of the hood. The tube helps in automatic detection and activation of the suppression system.

On coming in contact with fire the HST ruptures at a pre-determined temperature, creating a pressure differential in the system valves, activating the system. Watermist is used as an extinguishing agent. Being a clean and green extinguishing agent there is minimal post fire damage and the kitchen can be wiped clean. Watermist does not cause any damage; either to the expensive kitchen equipment or food items.



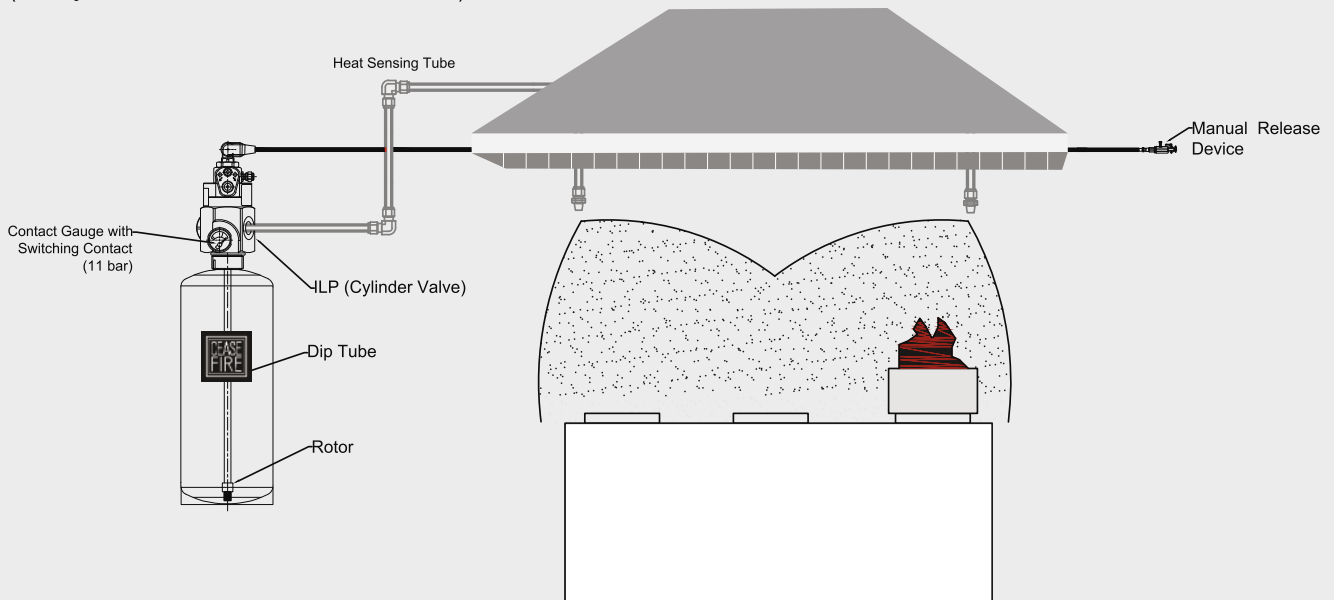
The extinguishing agent is discharged out of the specialized nozzles ensuring effective & efficient firefighting. The system is adept in handling all kinds of kitchen fires like fires arising due to deep frying, shallow frying, baking, grilling or roasting et al.

On coming with contact with fire the watermist converts into steam. Steam blocks the oxygen supply and brings the temperature to below combustion levels thereby, extinguishing the fire.

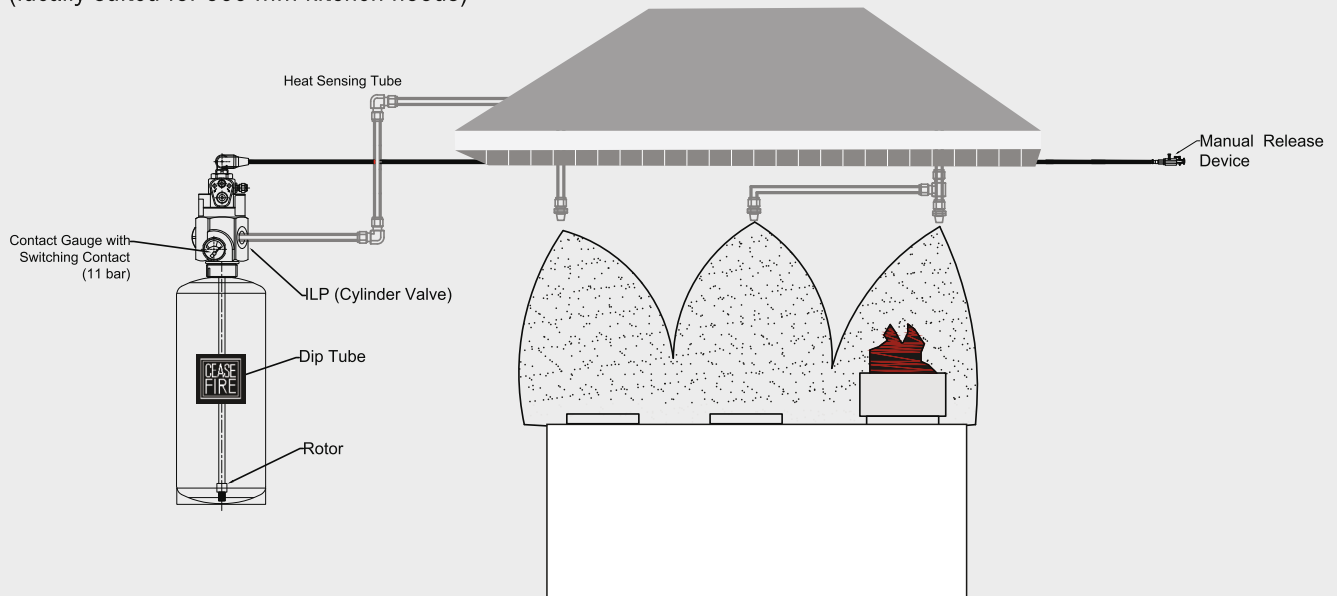
# VARIANTS AVAILABLE

The Watermist Based Residential Kitchen Fire Suppression System (Enviro Series) comes in two variants.

## 1. The 3 Litre Two Nozzle Variant (ideally suited for 600 mm kitchen hoods)



## 2. The 4.5 Litre Three Nozzle Variant (ideally suited for 900 mm kitchen hoods)





## FEATURES & BENEFITS OF RESIDENTIAL KITCHEN SUPPRESSION SYSTEM



### 24-hour cook-top fire guard

Automatic detection and actuation controls ensure fire protection.



### Automatic fire suppression

Requires no human activation.



### No Collateral Damage

Watermist being a clean agent does not cause any harm to kitchen or equipments.



### Unobtrusive Design

The system components camouflages into the current design of kitchen.



### Multiple Triggers

The system can be triggered either by the manual actuation system or the automatic detection system.



### Highly Effective

Watermist prevents re-ignition by cooling down the temperature of the heated oil.

Scan the QR code to know more about the product.





# GREEN FOAM BASED SOLUTIONS

## THE FUTURE OF FOAM IS HERE



# CEASEFIRE FLUORINE FREE FOAM PORTABLE FIRE EXTINGUISHERS

Recognizing the dynamic shifts in industry requirements and the urgent call for environmentally conscious solutions, Ceasefire presents Fluorine-Free Foam Extinguishers. As the world navigates towards a future that places a premium on environmental responsibility, our Fluorine-Free Foam Extinguishers take centre stage as the pioneering solution.

Positioned at the forefront of innovation, Ceasefire's Fluorine-Free Foam Extinguishers are the first of its kind that are poised to redefine the standards of fire safety, offering not just a product but a game-changing approach towards safeguarding lives and the environment.



FIGHTS CLASS

A B

CERTIFICATIONS



## CHEMICAL FOAM: A DATED DILEMMA

The traditional foam fire extinguishers contain or may contain Perfluorooctanesulfonic acid (PFOS) or Perfluorooctanoic acid (PFOA). These fluorine chemicals are associated with C8 chemistry, are extremely stable and remain mobile in the environment for many decades.

These chemicals are a risk to the environment and human health, being a persistent organic pollutant (also termed as forever chemicals) found to accumulate in the general environment and human tissues with deleterious effects to both.



Understanding this serious environmental concern, governments across the globe are recognizing the need for a balance between effective firefighting and ecological responsibility, and have begun to shape the discourse around the usage of foam-based extinguishing agents.

**“The UK Environment Agency is expected to prohibit the manufacture and sale of Aqueous Film-Forming Foam (AFFF), the most common type of foam extinguisher containing PFAS, by 2024.**”

## PAVING THE WAY TO A GREEN FUTURE

Traditionally, fire extinguishers have utilised foam formulations containing fluorine-based compounds, which, while effective in suppressing fires, raise concerns about environmental impact and safety.



In response to these challenges, Ceasefire has pioneered an innovative range of extinguishers that completely eliminate the use of fluorine. This Fluorine-Free technology not only ensures uncompromised fire extinguishing capability but also aligns with global environmental sustainability goals. Engineered to provide a safer and eco-friendly alternative, Ceasefire's Fluorine-Free Foam Fire Extinguishers mark a significant leap towards a greener and more responsible future in fire safety. As the industry shifts towards more environmentally conscious solutions, our Fluorine-Free Foam Extinguishers stand as a testament to Ceasefire's commitment to both effective firefighting and ecological responsibility.

# FEATURES & BENEFITS OF FLUORINE FREE FOAM EXTINGUISHERS



## Fluorine-Free Formulation

Eliminates the use of fluorine-based compounds for an eco-friendly and sustainable fire extinguishing solution.



## Green Screen Silver Certified Agent

This agent is totally free of fluorinated derivatives (PFAS including PFOS, PFOA) and is 100% biodegradable.



## EN 1568-1/2/3/4 Compliant Agent

The standard critically tests foam for both extinguishment and burnback in sea and potable (fresh) water.



## Innovation In Action

A paradigm shift in fire safety technology, providing a safer and more sustainable choice for safeguarding lives and the environment.



## Aspirating Nozzles

Unique aspirating nozzle design ensures high ratings and effectiveness on Class B fires.



## Certifications

Ceasefire Fluorine Free Foam Fire Extinguishers are CE marked & UKCA approved.



## World-class Quality

Comprehensive Helium Tests and Leak Tests also guarantee that the products you buy are manufactured according to the world's most stringent quality standards.



## Glow-in-the-Dark Label

For ease of visibility and quick access even in complete darkness



## Cutting-edge Technology

Advanced Ceasefire technology ensures optimal firefighting power per unit of the agent.



## Versatility

Works on Class A and B fires providing a comprehensive solution.



## Deep Drawn Container

Manufactured using a state-of-the-art deep draw process ensuring minimal seams and sturdy container body.



## User-friendly Design

Engineered for ease of handling, ensuring effective deployment during emergencies by individuals of varying experience levels.



## Inner Plastic Coating

The inner plastic coating ensures the containers stay rust-free in the long run.



## Global Compliance

Meets and exceeds international safety standards, offering a globally compliant solution for enhanced fire safety.



## Warranty

The Ceasefire Fluorine-Free Foam Extinguisher comes with a 5-year warranty ensuring complete peace of mind.

Scan the QR code to  
know more about  
the product



INTRODUCING

# CEASEFIRE GREEN MAX

## FLUORINE FREE FOAM PORTABLE FIRE EXTINGUISHERS

Ceasefire Green Max range of extinguishers deliver high-performance firefighting using advanced fluorine-free foam technology, combining effective fire suppression with a strong commitment to environmental responsibility.

Green Max extinguishers are developed without fluorinated chemicals such as PFOA and PFAS, making them a safer and more sustainable alternative to conventional foam extinguishers. The advanced formulation ensures rapid flame knockdown, effective surface cooling, and prevention of re-ignition, while maintaining clean operation with minimal residue.

Designed for modern environments, Green Max is suitable for Class A, Class B, electrically started fires, and Class F cooking oil fires. Its spray-based discharge enables controlled application, ensuring safe use even in occupied and enclosed spaces without excessive disruption or visibility impairment.



FIGHTS CLASS



CERTIFICATIONS





## FEATURES & BENEFITS OF GREEN MAX EXTINGUISHERS



### Effective Multi-Class Protection

Suitable for Class A, Class B, electrically started fires, and Class F fires, making it ideal for diverse fire risks.



### Environmentally Responsible

Developed with fluorine-free foam technology, completely free from PFOA and PFAS, ensuring no long-term environmental impact.



### Clean Performance

Leaves minimal residue, reducing post-fire damage and enabling faster recovery of operations.



### World-Class Quality

BSI Kitemark certified, CE marked, and UKCA compliant, conforming to stringent BS EN3 standards.

5

### 5-Year Warranty

Backed by a reliable 5-year warranty for long-term assurance and peace of mind.



### Controlled Spray Discharge

Enables uniform application of agent, better fire control, and safe usage in occupied and enclosed environments.



### Safe for Modern Spaces

Designed for use in areas with people, sensitive equipment, and confined environments without excessive disruption.



### Glow-in-the-Dark Label

For ease of visibility and quick access even in complete darkness

Scan the QR code to know more about the product



# MEET MULTIMAX L-ION

## FIREFIGHTING MADE SIMPLE.

One extinguisher. Every fire. Complete control.

Ceasefire MultiMax L-ion is a breakthrough, next-generation solution engineered to eliminate confusion and maximise action during fire emergencies. Unlike conventional extinguishers that work only on specific fire types, MultiMax is ahead of its time, an innovation in fire safety technology built to tackle the full spectrum of fire classes with a single universal agent.




FIGHTS CLASS




CERTIFICATIONS




## FEATURES & BENEFITS OF MULTIMAX L-ION EXTINGUISHERS


- 


**Multi-Class Fire Protection**  
Fights Class A, B, C\*, ESF, F, and Lithium Battery fires




**Warranty**  
These Ceasefire Extinguishers come with a 5-year warranty ensuring complete peace of mind.
- 


**Safe for Electronics & Equipment**  
Non-corrosive – Safe For Electronics and Critical Equipment




**Non-conductive**  
Does not conduct electricity, ensuring safe application on live equipment
- 


**Clean Discharge, Minimal Residue**  
Eco-safe discharge with minimal residue




**Green & Safe Solution**  
100% Biodegradable & PFAS/PFOA-Free
- 

**Quick & Easy to Use**  
Compact, easy to deploy in panic situations



**Globally Certified Protection**  
NTA 8133, BSI Certification and CE mark ensures reliable quality
- 

**User-Friendly**  
Easy To Use Mechanism Usable by any Staff Member



**Glow-in-the-Dark Label**  
For ease of visibility and quick access even in complete darkness

Scan the QR code to know more about the product



# CEASEFIRE IN-PANEL TUBE BASED SUPPRESSION SYSTEMS (FFF)

Considering the need for automatic fire protection, Ceasefire presents In-Panel Tube-based System for micro enclosed spaces, specifically designed to protect high risk enclosed spaces.

The Ceasefire In-Panel Tube-based Suppression System provides a revolutionary firefighting solution by a pneumatic detection and actuation technique. Armed with a heat-sensing tube, this direct system is entirely self-activated and requires no human intervention once installed.

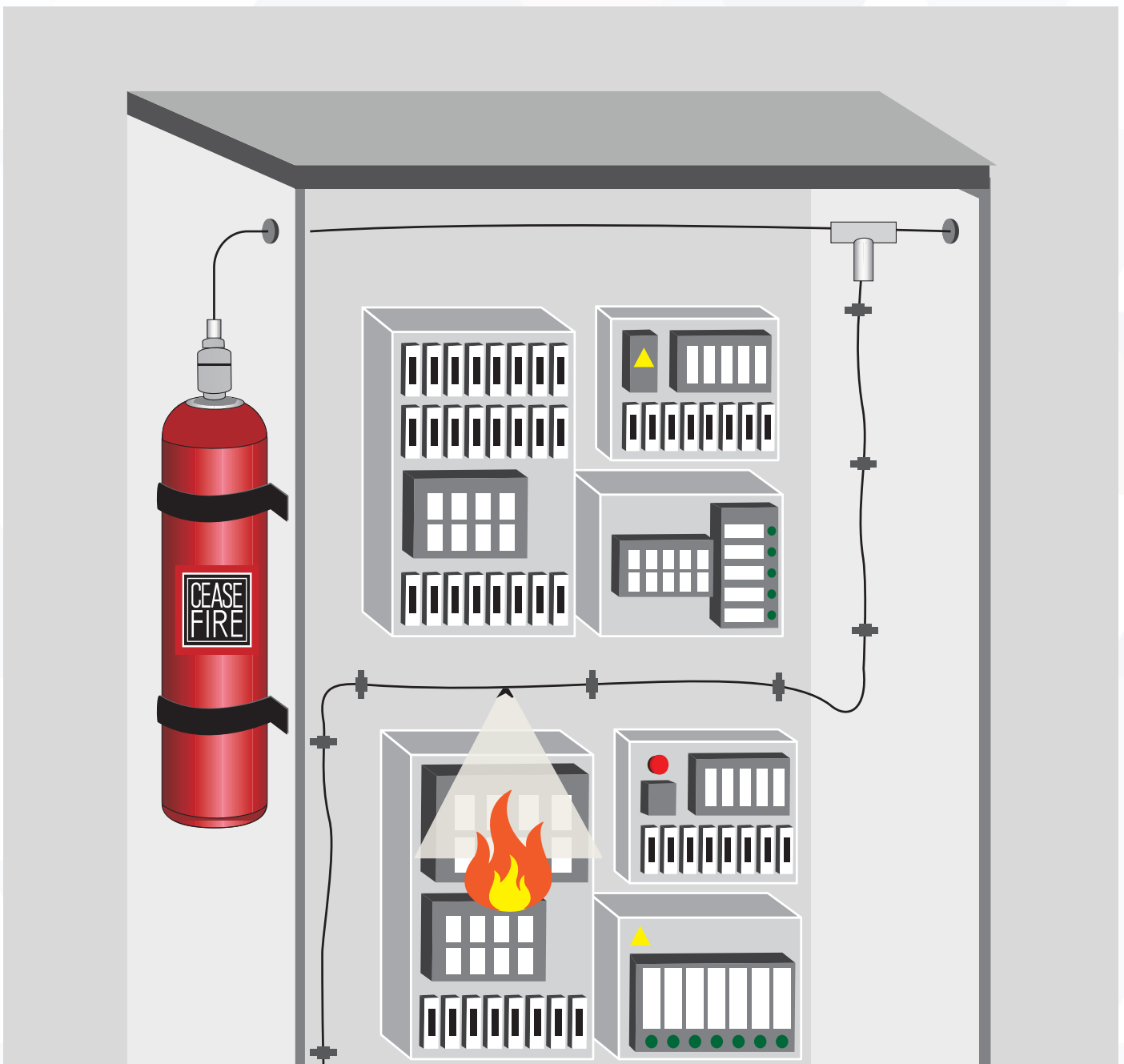


A signature component in Ceasefire's In-Panel Tube-based Systems is the specially designed heat-sensitive pneumatic polymer tube. In the event of a fire, the heat-sensitive tube detects an increase in temperature and bursts upon coming into contact with flames, activating the system automatically and extinguishing the fire at the source. Available with Fluorine Free Foam as the extinguishing agent, this system offers environmentally friendly fire suppression without leaving residue, providing protection that's not only powerful but also clean and sustainable.

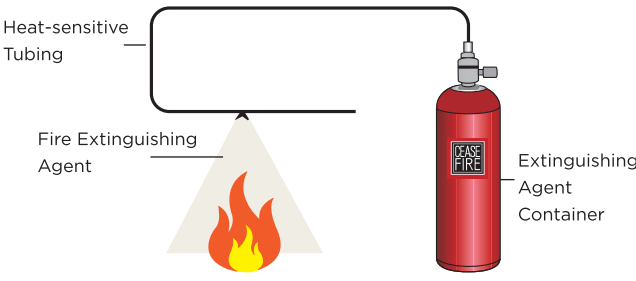
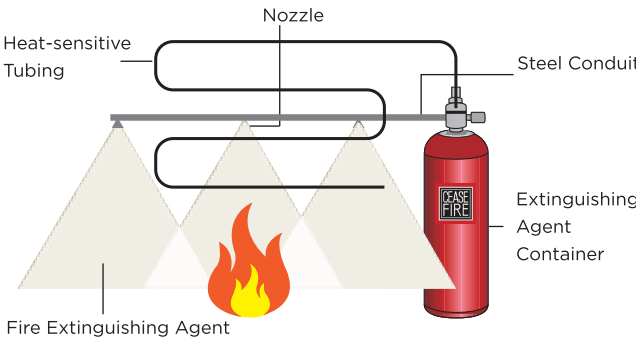
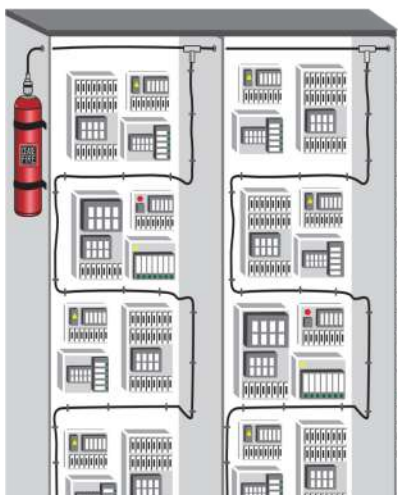
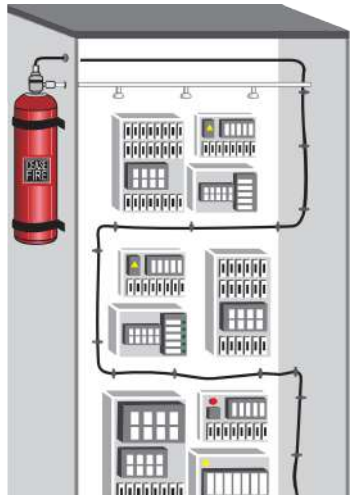
## HOW THE SYSTEM WORKS?

This heat-sensitive pneumatic polymer tube is connected to an extinguishing agent container at one end, while the rest of it runs unobtrusively inside the micro space that needs to be fire protected, covering all high risk points inside the space. In the event of a fire, the flames come in contact with this heat-sensitive tubing and upon reaching a temperature level of 150° - 180°C, this tube bursts open and activates the system.

The technology makes this system entirely self-activated, and requires no human intervention once it has been installed. This makes it especially beneficial for high risk micro- environments that are vulnerable to fire and cannot be manually monitored 24x7.



# THE TWO PRIME SYSTEM VARIANTS

<p>The system is available in two prime technologies and the choice of selection of</p>	<p>The system variant depends upon the nature of the space that needs to be protected.</p>
<h2 style="text-align: center;">DIRECT SYSTEM</h2>  <p>The diagram illustrates a direct system. A red fire extinguishing agent container is connected to a line of heat-sensitive tubing. This tubing runs through a fire, where it bursts and sprays the extinguishing agent directly onto the flames.</p>	<h2 style="text-align: center;">INDIRECT SYSTEM</h2>  <p>The diagram illustrates an indirect system. A red fire extinguishing agent container is connected to heat-sensitive tubing that acts as a detection device. This tubing is connected to a steel conduit that leads to a nozzle, which sprays the extinguishing agent across the area.</p>
<p>In the Direct System the heat-sensitive tubing acts as an extinguishing agent delivery system. The tube bursts at the point where the fire is detected, forms a miniature nozzle and sprays the extinguishing agent. This system can run intricately and unobtrusively through Panels, MCBs, Gensets and electrical mains boxes that are often compartmentalised in nature, and is triggered instantly and automatically.</p> <p>This eliminates the need for human intervention and provides a swift and comprehensive solution. This is available in low-pressure and high-pressure systems.</p>	<p>In the Indirect system, the heat-sensitive tubing only acts as a detection device. The extinguishing agent is delivered through a steel conduit and sprayed across the entire area through strategically placed nozzles.</p> <p>This system configuration is ideal for spaces that are non-compartmentalised and total flooding in the entire cabinet / chamber is possible. For example, in a large electrical cabinet, where a voltage surge can short-circuit components at multiple locations and cause them to catch fire. This system variant too is available in both, low-pressure and high-pressure systems.</p>
 <p>This illustration shows an electrical cabinet with a direct system installed. A red fire extinguishing agent container is mounted on the side, and heat-sensitive tubing runs through the panels to deliver the agent directly to any fire.</p>	 <p>This illustration shows an electrical cabinet with an indirect system installed. A red fire extinguishing agent container is mounted on the side, and heat-sensitive tubing runs through the panels to detect a fire. The tubing is connected to a steel conduit that leads to a nozzle, which sprays the extinguishing agent across the entire cabinet.</p>



## FEATURES & BENEFITS OF IN-PANEL TUBE BASED SUPPRESSION SYSTEMS



### Classification

Fights Class A and B fires.



### Application

Ideal for places where fires can break out in localised areas.



### Self – Contained

Does not require any power supply and will function normally in the event of a power outage.



### Rugged Design

Can withstand even harsh conditions where other types of detection systems might be rendered inadequate.



### Extended Reach

Flexible tubing extends protection to areas that are difficult to access and may not be able to accommodate any other means of detection.



### Instant Self-activation

Eliminating the need for human intervention, the system is in a perpetual state of readiness to combat a fire as soon as it breaks out.



### Certifications

BSI Tested, UL, CE and UKCA certified



### Easy Installation

Simple design, and can be installed within a few hours, which means a significant reduction in labour costs and downtime

Scan the QR code to know more about the product.



# CUSTOMISED SOLUTIONS FOR DIVERSE APPLICATIONS

## INNOVATIVE TECHNOLOGY TO ADDRESS MODERN CHALLENGES IN NEW SPACES

At Ceasefire we understand every space has its unique fire risks and that is where our bespoke fire solutions come in which are designed exclusively to address the risk of fire in these specific environments. Our specialised solutions are the answer to tackle these modern day fire challenges in a wide variety of spaces and applications.



Vehicle Engines



Injection Moulding Machines



Motor Boats



Gensets



Dust Collection Machines



CNC Machines.

Explore Now





# WET CHEMICAL BASED SOLUTIONS

## GEN-NEXT KITCHEN FIRE SUPPRESSION



# CEASEFIRE ULtra-X

## COMMERCIAL KITCHEN SUPPRESSION SYSTEM

Even the most meticulously maintained and efficiently operated commercial and industrial kitchens can still experience unexpected mishaps. This is because fire is used as a medium of cooking, along with a whole host of cooking appliances and flammable materials present, the risk of fire in kitchens is always high.

What sets ULTRA-X apart is its rare and powerful combination of globally recognised certifications and approvals. The system is UL 300 listed, ensuring proven performance against cooking oil and grease fires, while remaining fully compliant with NFPA 96 and NFPA 17A standards for ventilation control and wet chemical suppression systems. In addition, it is approved under LPS 1223 by LPCB, and conforms to EN 17446, the latest European standard for commercial kitchen fire suppression systems.



EN 17446

# HOW THE SYSTEM WORKS

In the event of a fire, when the temperature rises to a predefined level the detection module kicks into action to trigger the system. The fire detection module in the Ceasefire ULtraX System could either be Electrical Triggered or Mechanical Fusible Links based.

## Electrical Detection

In case of an Electrically triggered system, the Linear Heat Sensing Cable or Probe detector senses the fire when the temperature rises to a predefined level creating a switching effect and signalling it to the control panel. The control panel in turn triggers the system by activating the solenoid valve on the container head.



## Mechanical Detection

The Mechanically activated system gets activated when the two halves of the fusible link separate when the temperature reaches a predefined level due to fire. This mechanically triggers the system via the Mechanical Actuation Unit and activates the valve on the container head, releasing the agent.



## Hybrid System

In the hybrid system the detection is mechanical and the activation is part mechanical and part electrical. A fusible link based detection network actuates up to four (4) mechanically activated containers using the piercing pin mechanism and up to six (6) electrically activated (solenoid valve based) containers using a power-signal from the power adaptor via the micro-switch in the Mechanical Activation unit.



## System Activation and Suppression

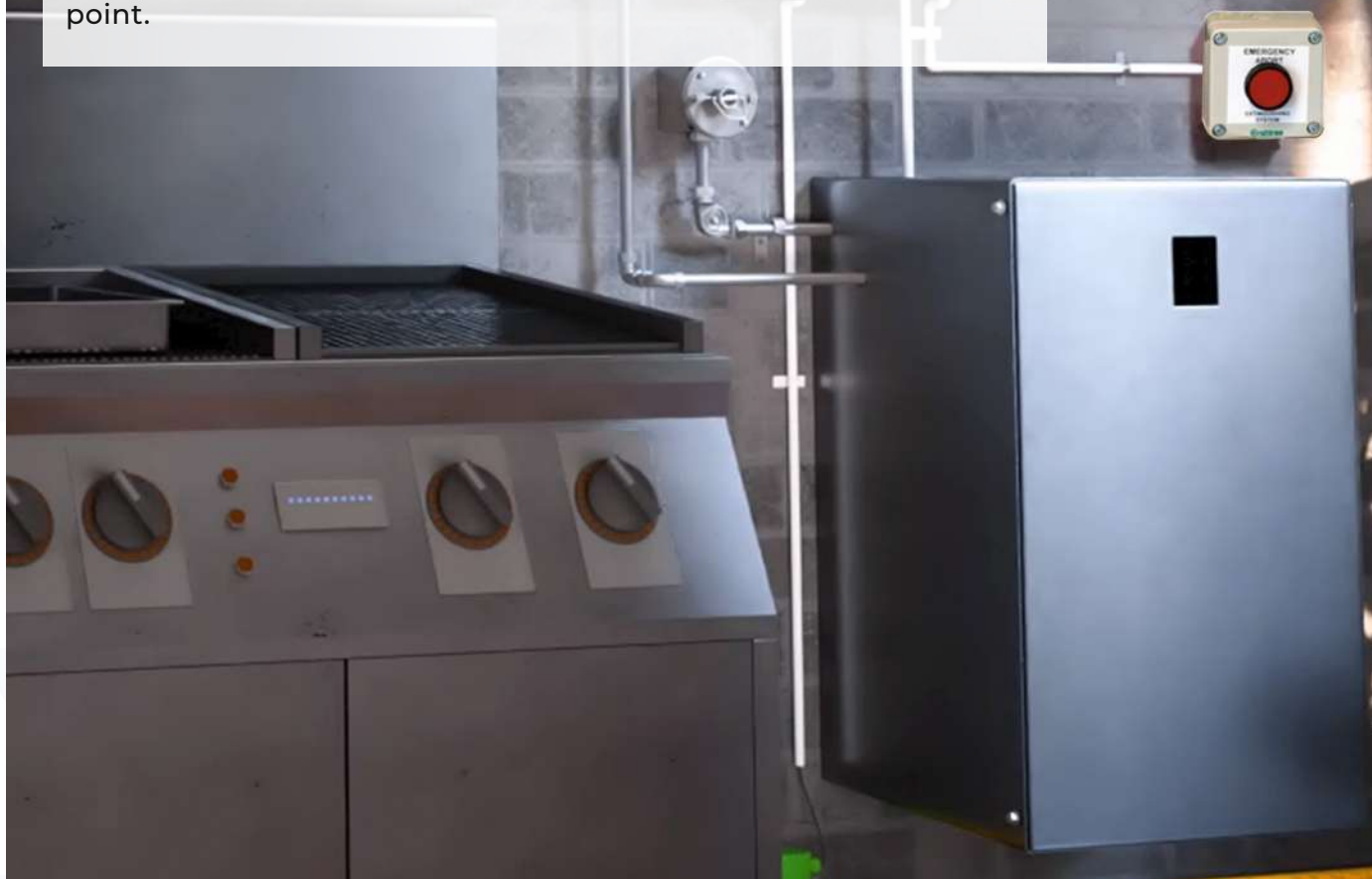
Activation through either of the above two detection methods results in the agent being discharged through a dedicated discharge line via specialised nozzles leaving no blind spots. The system is designed to give full protection against fire under the hood, plenum, and duct area.

Once activated, the gas shut-off valve which is an integral part of these systems instantly shuts down the gas supply to the appliances, ensuring complete safety of the premise.

The systems can also be configured to cut off the power supply to an electrically powered cooking appliance, in case that is being used.

The systems are equipped with at least one Manual Pull Station that provides immediate response capabilities, backing up the automatic suppression system.

Electrical Systems also come with the provision of a manual call point.



## The Greenest Agent In Its Category

Ceasefire Ultra-X Kitchen Suppression System uses the greenest and the most sustainable extinguishing agent in the category. The extinguishant is a potent wetting agent that is derived from 100% biodegradable vegetal extract.

The agent also meets the REACH Compliance and does not contain SVHC (Substance of Very High Concern) making it extremely low on eco-toxicity and free of phosphate.

This makes the agent one-of-its-kind to not only extinguish all types of kitchen fires rapidly but also do so without causing any harm to the environment.

The Ceasefire Ultra-X extinguishing agent is neutral, non-acidic or alkaline to harm anyone and is absolutely safe for humans. It has no record of causing any irritation to eyes, skin or respiratory tract on ingestion and is not classified as a hazardous product.

The Ceasefire Agent is also safe to be disposed off after use by simply washing it off the drain as it is well tolerated by sewage plant treatment operations.



# UNDERSTANDING THE AGENT'S GREEN QUOTIENT

The Ceasefire's Ultra-X Kitchen System's agent is safe on human lives and the environment, having been considered for its safety on multiple parameters including the following -

## 1. Safe On Humans

The Ceasefire agent is safe and causes no irritation to eye or skin, ingestion and respiratory tract. It is non toxic based on tests done on humans and rats.



### Eye Exposure

The agent has been tested according to EEC guidelines on eye exposure and has been evaluated as not irritating for the eyes.

*[Hygiene Institute Gelsenkirchen, OECD Guidelines 405 & 92/69/EEC on eye]*



### Skin Exposure

Tested according to cosmetic requirements on human patch tests, and has been evaluated as harmless when in contact with skin.

*[Derma Consult GmbH, GLP, Human Patch Test according guidelines COLIPA, 1997]*



### Industry Trend

Most potassium-based agents have been found to cause irritation to eyes and skin and induce coughing, vomiting, or dizziness. Most have been found to be aggravating existing skin, eye, respiratory, and gastrointestinal problems and require immediate medical help on exposure.



### Ingestion

Non-toxic. Does not induce vomiting. Simply drinking plenty of water and consulting a physician is recommended.

*[Hygiene Institute Gelsenkirchen, Toxicity Evaluation and Assessment]*



### Inhalation

No specific measures required on inhalation. Agent does not contain solvents or any other volatile compounds.

## 2. Safe On Environment



Ceasefire agent is neutral and is not acidic or alkaline to harm anyone. It does not contain PFOS and PFOA or any of its persistent and bio accumulative derivatives hence is found to be absolutely safe on the environment.

Majority of its ingredients are derived from raw materials of vegetal origin or modified components ensuring low eco toxicological impact, high rates of biodegradation & effective bioremediation stimulation that uses bacteria, fungi, green plants or their enzymes to return the environment to its original condition.

The mobility of the agent is high and therefore can enter soil, aquifer and open waters and biodegrade easily.



### Industry Trend

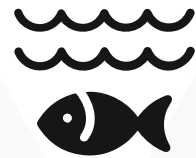
Many chemical/potassium-based agents available in the market have a medium to high level of toxicity and are categorised as hazardous for the environment or not degradable in wastewater or treatment plants.

## 3. Safe On Aquatic / Marine Life



### Algae

The Ceasefire agent is considered non toxic/harmless for marine life including naturally occurring algae in soil, aquifer, aquatic environment and sewage plants.



### Fish

The agent is found to be non toxic/harmless for fish species in marine and freshwater ecosystems.



### Industry Trend

Chemical/potassium-based agents have been found to have ecotoxicological effects on marine life and most have unknown adverse impacts on the aquatic environment.



### Mammals

The Ceasefire Agent is non toxic and harmless for mammals when swallowed/ingested.



### Invertebrates

The agent is considered non toxic/harmless for naturally occurring invertebrates in soil, aquifer, aquatic environment and sewage plants.

## 4. Disposing Off The Agent

Ceasefire Agent is easily, rapidly and nearly completely biodegradable and is well tolerated by sewage plant treatment operations. The biochemical composition of Ceasefire agent is similar to naturally occurring biotensides in waters and differs essentially from synthetic or environment friendly detergents.



Therefore, disposing off the Ceasefire agent requires basic level precaution requirements and minimal protective gear for people handling it. Unlike many other agents available in the market, the Ceasefire agent is not required to be collected in drums after use and can be disposed off safely in the drains by rinsing it away with water. This not only makes it easy to dispose off the agent but also makes it cost-effective as you do not need a collection agency to be used for disposal and has minimal downtime to return back to your kitchen operations.



### Industry Trend

Chemical/potassium-based agents have been found not to be wastewater treatment plant-friendly and require moderate to extensive levels of personal protective gear while handling. Most are also recommended to be stored in drums before disposal and require specialized services for disposal.

## 5. Handling & Transportation



Ceasefire Agent is easily, rapidly and nearly completely biodegradable and is well tolerated by sewage plant treatment operations. The biochemical composition of Ceasefire agent is similar to naturally occurring biotensides in waters and differs essentially from synthetic or environment friendly detergents.

The agent being classified as non-hazardous requires no special marking for transportation as most of its ingredients are from bio-extracts and not synthetic chemicals. This also requires no specific measures for storage.



### Industry Trend

Most chemical-based agents are categorised as hazardous and require special marking for transportation. Most also require special precautions to be taken while storage, such as storing them in their original containers or extinguishers, in well-ventilated rooms, away from heat source etc.

## 6. Stability And Reactivity

Ceasefire agent is safe to use with any material and also to store. Its inherent property inhibits natural effects of corrosion by water and has no hazardous decomposition or bio decomposition and biodegrades aerobically.



### Industry Trend

Most agents in the market are not only found to be corrosive but are also reactive when they come in contact with fire to create hazardous residual decomposition byproducts, such as carbon dioxide, phosphorous oxide, and acetic acid.

# GREEN AGENT

The agent for Ceasefire ULtraX Kitchen Suppression System is creating new benchmarks for performance and its green quotient. Using an eco-friendly 100% biodegradable agent that is made from vegetal extracts, it complies with REACH regulations, containing no SVHC (Substances of Very High Concern), and is phosphate-free, ensuring low eco-toxicity. It is neutral, non-toxic, non-irritating, and can be safely washed down the drain after use, posing no threat to sewage treatment systems.



## 7. Multiple Agent Cylinder Options

The system features different agent cylinders options- Ivory and Bare Stainless Steel finish, providing flexibility for different site requirements, enhanced corrosion resistance, and suitability for both exposed and concealed installations.



## 8. Multi-Certified Global

The system is one of the rare combinations of global approvals including- UL 300, compliant with NFPA 96 /17A, and approved under LPS 1223 standard by LPCB, while also meeting EN 17446 requirements for commercial kitchen fire suppression systems.



**EN 17446**

# GLOBAL APPROVALS THAT GO BEYOND THE CHECKLIST

The combined strength of UL 300, EN 17446, and LPCB (LPS 1223) ensures that the system is validated across every dimension that matters for a kitchen suppression system. This thoroughly validates performance from ability to suppress high-temperature grease fires and prevent re-ignition, to its design precision, installation quality, and manufacturing consistency, and many more.



## UL 300

**Proven Performance on Grease Fires** - Validated to effectively suppress high-temperature cooking oil and grease fires.

**No Re-Ignition Assurance** - Ensures rapid fire knockdown and prevents re-ignition, even on extremely hot surfaces.

**Complete System Validation** - Tests the entire system: agent, nozzles, detection, and discharge, as one intrated unit.



## EN 17446

**Regulatory Alignment Across Europe & UK** - Supports compliance with European fire safety frameworks and market requirements.

**Defined Engineering & Installation Standards** - Establishes clear guidelines for system design, coverage, and installation practices.

**Lifecycle Reliability** - Covers not just suppression, but also maintenance, documentation, and system consistency.

## EN 17446

## LPCB (LPS 1223)



**Independent, Insurer-Recognised Certification** - Trusted by insurers and risk engineers for credible third-party validation.

**Consistent Quality Through FPC** - Ensures every manufactured system meets approved standards via ongoing production control.

**Beyond Compliance Assurance** - Includes rigorous audits of design, traceability, and quality systems for enhanced reliability.



# FEATURES & BENEFITS OF ULtraX KITCHEN SUPPRESSION SYSTEM



## Choice of 3 Detection and Activation Modules

Electrical, Mechanical and Hybrid.



## Continuous/Overlapping Protection

Can be designed for Group or Overlapping/ Continuous Protection.



## Versatile Nozzle Design

Only two nozzle types for all system configurations and applications. Metal caps on nozzles ensure protection against grease deposits & obstructions.



## Multiple Piping Options

Multiple options to suit customer needs - Rapid installation using Compression Fittings, Cost-effective Pipelines and Multi Cylinder Connectivity Using Manifold.



## Spot Protection

Can also be configured to protect specific spots under the hood. Protection.



## Ease of Shipping

Non-hazardous agent with no markings required makes it convenient for shipping and portability.



## Stored Pressure Technology

True stored pressure technology with a pressure gauge on the agent container with a port for pressure switch, allowing integration with various third-party devices.



## Continuous Wire Arrangement Based Fusible Links

Unique continuous wire arrangement based fusible link options ensure better detection & compete reliability.



## Chef-Friendly & Aesthetically Pleasing Design Options

Designed aesthetically with a universal installation and placement approach, ensuring its adaptability to different kitchen layouts and requirements. The nozzle placement adds to the chef's convenience and operational efficiency.



## Third Party Integration

Three SPDT or DPDT microswitches in the Mechanical Actuation Unit (MAU) allows for a wide variety of third party device integration.



## UL Listed

Meets the Underwriters Laboratory standard UL 300 and as demanded by NFPA 17A, NFPA 96.



### Highly Versatile System

One system design that protects an extensive range of cooking appliances and different fuel types.



### Stainless Steel Agent Containers

Stainless Steel epoxy coated containers ensure rust-free and trouble-free operation in the long run.



Scan the QR code to know more about the product.



# COMMERCIAL KITCHEN SUPPRESSION SYSTEM (ULTRA SERIES)

Hazardous oil and grease fires in kitchens take place due to overheating of oil in the temperature range of 350°C - 380°C. Fires are further enhanced by the accumulation of oil deposits in the enclosure behind the filter and the exhaust ducts of the kitchen hood over time due to cooking activities.

Several reasons can be attributed to kitchen fires, from temporary distraction by the user to complete absence of attention to cooking appliances and vessels during cooking to malfunctioning of automated temperature control equipment in electrical deep fat fryers.

This is where the Ceasefire Wet Chemical Kitchen Suppression System comes in. This automated kitchen fire suppression system detects and kills a fire, even when no one is around.



LPS 1223  
Cert/LPCB Ref. 1329a

## FEATURES & BENEFITS OF COMMERCIAL KITCHEN SUPPRESSION SYSTEM



### 24-hour Protection

Automatic detection and actuation controls ensure fire protection is always 'up'.



### Multiple Triggers

The system can be triggered either by the manual actuation system or the automatic detection system.



### Highly Reliable

A fully assembled and 100% tested Mechanical Control Head ensures reliable operation. Pressure gauges on the steel cylinders mark the gas levels, allowing maintenance sta to replenish it whenever required. Protective chrome nozzle covers keep the nozzles free of contamination and blockages caused by grease or other cooking by-products.



### Highly Effective

Wet Chemical prevents re-ignition by cooling down the temperature of the heated oil.



### Certification

LPCB Certified System



### Highly Flexible

Ceasefire's Kitchen Suppression System's flexible configuration and design can easily accommodate changes to the layout of appliances or the expansion of the cooking area.



### Stored Pressure Technology

Stainless steel containers hold the wet chemical under stored pressure. This not only ensures instant activation, but also provides the convenience of checking the readiness of the system by the mere observation of the pressure gauge. If the needle is in the green zone, the system is ready for action.



### Unobtrusive Design

Flexible piping configurations allow for a streamlined design and convenient installation that won't interfere with kitchen workflow.



### 4 Variants

Available in four variants – 11.5 liters, 18 liters, 27 liters and 44 liters.

Scan the QR code to know more about the product.



# WINNING TRUST WORLDWIDE

Decades of safeguarding lives and protecting assets worldwide with over **3 million Fire Extinguishers** and over **25000 Specialised Fire Suppression Systems** protecting wide range of spaces like Rooms, Kitchens, Electrical Panels, Server Racks, Mobile Towers, Machinery and more for our clients ranging from Start Ups to Unicorns and some of the biggest **global corporate giants**.



HONDA



HSBC



HYUNDAI



McKinsey & Company



MITSUBISHI

Morgan Stanley



Nestle

ORIFLAME  
SWEDEN

Panasonic

PHILIPS



SIEMENS  
Ingenuity for life



and Many More...







## Ceasefire Industries UK Limited

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