CEASEFIRE’S RANGE OF MODULAR SUPPRESSION SYSTEMS

ONE PREMISES. ONE PRICE.

Download the Ceasefire app.

Ceasefire Industries Limited,
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Noida - 201 301, Uttar Pradesh (India)
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1800 11 3473 / 1800 180 7233
or call +91 120 4223473
or SMS:
FIRE to 53030

Follow us on:
AN OLD ENEMY MEETS NEW-AGE PROTECTION.

For millennia, fire has been mankind’s fiercest, scariest enemy. In every premises, there are a number of areas at a risk of fire. There have been two approaches to dealing with it. The first involves standalone fire extinguishers where you manually detect the fire and douse it. The second involves automatic systems. Hydrants and sprinkler systems prevent fires from spreading but to automatically detect and extinguish fires, you need state-of-the-art suppression systems.

SUPPRESSION SYSTEMS: A TECHNOLOGY RESTRICTED TO A SELECT FEW

For ages, suppression systems have been confined of large organisations. An IT giant setting up a new office, A 5-star hotel opening a fine dine restaurant. A new super-speciality hospital being constructed. At such organisations, an accident means a tremendous loss of property, business, data and reputation. Which is why, they have special project management and consultants to install systems which can auto detect and kill fires without causing any collateral damage. However, as effective as project management is, it is also expensive.
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**HOW SUPPRESSION SYSTEMS ARE INSTALLED TODAY.**

**DURING CONSTRUCTION:**

Large organisations appoint a fire safety consultant during the construction phase of the project.

The consultant checks the building plans and pinpoints the risks involved.

The consultant designs a customised system to protect the premises.

This system is manufactured and installed as and when the building is constructed.

**SMALL ENTERPRISE. BIG RISK.**

A bustling fast food outlet. A tech company with a team of 20 people. A family-owned business. Like yours, a vast majority of ventures are medium or small scale enterprises. And an accident can affect you much more than larger enterprises, destroying everything you have worked for in minutes. Which is why, whether your organisation already has a premises or plans to construct one, you need adequate fire protection to safeguard it.

However, commissioning a project manager or retrofitting your premises with new-age technology like automatic suppression systems can eat away a large chunk of your revenue. Designing and installing a system also involves estimating costs, keeping you in the dark regarding its final price till the very end.

But does that mean you have to forego such protection and risk incurring huge losses?

What if there existed a more convenient and economical solution?

There is. Ceasefire has innovated and created it.

**DURING RENOVATION:**

In case of renovation of an existing premises, the consultant surveys the area to be protected and gives an estimate of how much a system will cost.

Later, as a comprehensive assessment report is prepared, new components are added to the system and a revised costing is quoted.

In both renovation and construction, this consultation process takes several months and runs into lakhs of rupees.

**A COMPANY SAFEGUARDING BUSINESSES, SMALL AND BIG.**

As a market leader in suppression systems, Ceasefire has successfully completed and installed state-of-the-art systems in over 40,000 projects. Our 400-strong team of technicians, specialist Design Cell and pan-India presence backed by in-house Customer Relationship Management (CRM) software and other robust IT systems allow us to provide fire protection to practically every organisation in the country.

Over the decades of providing lifesaving solutions, Ceasefire has developed an acute understanding of the needs of growing India. It is our vision to see every business established protected from fire and security threats. Which is why, we have innovated and created a new range of suppression systems to protect medium and small scale enterprises.
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PROVIDED BY MANUFACTURERS:

Suppression systems are also provided by manufacturers who appoint distributors to design and install such systems.
However, the focus of these manufacturers is only on large projects, and hence they have a small network of consultants with limited infrastructure.
Most manufacturers also do not have the expertise required to design, install and provide after-sales support. This means a large segment of the market is deprived of this state-of-the-art technology.

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INTRODUCING THE MODULAR SUPPRESSION SYSTEMS RANGE DESIGNED BY CEASEFIRE.

Created after extensive R&D and studies of the Indian market, these perfect pre-fabricated systems cut the cost estimation and delays involved in customising a system to give you instant protection. Like all Ceasefire suppression systems, these modular systems are equipped to automatically detect and initiate firefighting within seconds, and to keep what’s precious, safe.

WHAT ARE MODULAR SUPPRESSION SYSTEMS?

- Ceasefire’s Modular Suppression Systems are pre-fabricated, ready-to-protect suppression systems.
- These systems are designed to defend a specific macro or microenvironment, like a server room, a restaurant kitchen or a large electrical cabinet.
- These systems are available in a range of specifications to protect environments of different volumes or kitchen hoods of varying lengths.
- As these systems can be installed immediately, they minimise the downtime your premises stays without fire protection.

INSTALLING MODULAR SYSTEMS

First, our Safety Consultants will visit your premises and help you calculate the volume of the microenvironment or the length of the kitchen hood you wish to protect.

Depending on the dimensions, a corresponding variant of the modular system will be selected.

Finally, the Installation Team oversee installation and testing.

Post installation, the Service Team maintenances and services the system through Intensive Ceasefire Care Unit (ICCU).

The big advantage here is that the variant you choose will have a fixed price. Any further costs involved in customising the system or adding components will be taken care of by us, giving you complete peace of mind.
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TYPES OF MODULAR SUPPRESSION SYSTEMS

HFC 227ea Flooding System

Ceasefire Quick Response System (CQRS)

Kitchen Suppression Systems (both Watermist and Wet Chemical-based).

CEASEFIRE TODAY

Besides Modular Systems, Ceasefire is designing a variety of cutting-edge products. 360° lifesaving fire and safety solutions. More than 3,000 new customers a month. 2 lakh blue chip clients. A product sold every 61 seconds. A life saved every 9 minutes. A presence in over 300 cities and towns. Backed by a team of 2,000, 400 lifesaving products – from green fire extinguishers that can tackle any kind of fire to a state-of-the-art 3-tier security system that’s one of the most foolproof systems in the world – Ceasefire has it all. We’re equipped and ready to protect your premises.

Our full spectrum of products:

- Firefighting
- Detection
- Suppression
- Evacuation
- Fire Suits
- Hydrant Systems
- Security
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Follow us on:
VARIANTS OF THE HFC 227EA FLOODING SYSTEM – M

The HFC 227ea Flooding System – M is available in eight variants:

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</tr>
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<td>105.1 m³</td>
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APPLICATION AREAS:

Server rooms  Offices  Storage room

The waterless Ceasefire HFC 227ea Flooding System – M is a revolutionary firefighting system. Designed and equipped to initiate firefighting within seconds of the fire being detected, this automated flooding system safeguards the entire area. What’s more, since HFC 227ea is green in nature, this gas-based extinguishing agent ensures that the fire is put out without causing any collateral damage to the premises, expensive equipment, or the Earth.

Backed by in-depth studies of common applications of the HFC 227ea Flooding System in the Indian market, the Ceasefire Design Cell has created 8 pre-fabricated variants of the system, which can be installed in rooms of different sizes. They are designed with utmost precision to international quality standards, and come with complete sets of accessories to fulfil all the requirements of a fire-prone microenvironment.
COMPONENTS OF THE HFC 227EA FLOODING SYSTEM – M

System Components

- Extinguishing Agent: Clean Agent HFC 227ea
- Agent Container
- Valve Assembly
- Flexible Discharge Hose
- Discharge Pipe & Fittings
- Manual Release (Mechanical)
- Discharge Nozzle
- Smoke Detector
- Alarm/Sounder
- Control Panel
- Agent Cylinder
- Valve
- Manual Release
- Smoke Detector
- Discharge Nozzle

Detection & Alarm Components

- Gas Release Panel
- Detectors
- Manual Release (Electric)
- System Abort
- Audible Alarm

FEATURES AND BENEFITS OF THE HFC 227ea FLOODING SYSTEM – M

Classification:
Works on class A, B, C fires and fires involving electrically-charged devices. Effective on a wide range of flammable and combustible materials.

Electronics-Friendly:
Shown to be electrically non-conductive and is safe for electrically charged equipment. It is kinder on electronics than the majority of extinguishing agents available in the market.

Ozone, Environment-Friendly:
Being a clean-agent, this is an eco-friendly alternative to chemical and water-based extinguishing systems. As HFC 227ea already exists as a gas in the Earth’s atmosphere and is one of the by-products of combustion, it does not harm the Earth’s stratospheric ozone layer. Its atmospheric lifetime is minimal.

Superior to Other Gas Agents:
HFC 227ea is superior to other gas-based extinguishing agents that have lower boiling points and tend to be corrosive.

High-value Risk Protection:
Suitable for protection on a range of high-value risks as it virtually eliminates damage to high-tech equipment, artwork and other delicate and sensitive objects.

No Clean-up Required After Discharge:
After a discharge, the extinguishing agent can be removed by simple ventilation.

24-hour Protection:
Automatic detection and actuation controls ensure fire protection is always ‘on’.

Multiple Triggers:
The system can be triggered either by the manual actuation system or through the automatic detection system.

Speedy Deployment, Minimal Downtime:
Deploys quickly, reaching extinguishing levels in 10 seconds or less, stopping ordinary combustible, electrical, and flammable liquid fires before they cause significant damage. When a fire is extinguished this quickly, it means less damage, lower repair costs, and an extra margin of safety for people. It also means less downtime and disruption of business.

Lower Storage Requirements:
Stored in cylinders as a liquid and pressurised with nitrogen, the HFC 227ea Flooding System – M take up to seven times less storage space than any system based on CO₂ and inert gases.

Highly Effective:
Not only does HFC 227ea Flooding System – M work in 10 seconds. It prevents re-ignition by rapidly cooling down temperatures in the surrounding area.

Highly Reliable:
A fully assembled and 100% tested mechanical control head ensures reliable operation. A pressure gauge on the steel cylinders marks the gas levels so maintenance staff can replenish it whenever required. Protective chrome nozzle covers keep nozzles free from contamination and blockages by grease or other by-products that could inhibit the proper discharge of the extinguishing agent.

Residue-Free:
HFC 227ea being a clean agent, it won’t leave behind oily residue, particulate or corrosive material.
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**APPLICATION AREAS:**

- Server rooms
- Offices
- Storage room

The waterless Ceasefire HFC 227ea Flooding System – M is a revolutionary firefighting system. Designed and equipped to initiate firefighting within seconds of the fire being detected, this automated flooding system safeguards the entire area. What’s more, since HFC 227ea is green in nature, this gas-based extinguishing agent ensures that the fire is put out without causing any collateral damage to the premises, expensive equipment, or the Earth.

Backed by in-depth studies of common applications of the HFC 227ea Flooding System in the Indian market, the Ceasefire Design Cell has created 8 pre-fabricated variants of the system, which can be installed in rooms of different sizes. They are designed with utmost precision to international quality standards, and come with complete sets of accessories to fulfil all the requirements of a fire-prone microenvironment.
VARIANTS OF THE CEASEFIRE QUICK RESPONSE SYSTEM – M

The Ceasefire Quick Response System – M is available in 3 variants:

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<th>ENCLOSURE VOLUME</th>
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<tr>
<td></td>
<td>Minimum</td>
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<tr>
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<td>0.036 m³</td>
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<td>1.68 m³</td>
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APPLICATION AREAS:

Electrical cabinets of various sizes

The revolutionary Ceasefire Quick Response System – M combines ground-breaking technology with functional simplicity. Armed with a heat-sensing tube, this direct system is entirely self-activated, and requires no human intervention once it has been installed. In case of a fire, the heat-sensing tube bursts and releases the extinguishing agent stored inside directly onto the fire. This makes it especially beneficial for microenvironments where the fire hazard is likely to be in an enclosed space (such as a server or a genset).

Backed by in-depth studies of common applications of the Ceasefire Quick Response System in the Indian market, the Ceasefire Design Cell has created 15 pre-fabricated variants of the system, which can be easily installed in microenvironments of different sizes. They are designed with utmost precision to international quality standards, and come with complete sets of accessories to fulfil all the requirements of a fire-prone microenvironment.
COMPONENTS OF THE CEASEFIRE QUICK RESPONSE SYSTEM – M

How the system works:
1. When a fire breaks out, the rise in temperature causes the heat-sensing tube to burst open.
2. This releases the pressurised clean agent gas on the fire and immediately extinguishes it.

System Components

Extinguishing Agent: Clean Agent HFC 236fa
Agent Container
Direct Low Pressure (DLP) Valve with Integrated Ball Valve
Heat-sensing Tube
Pressure Gauge
End of Line Plug

Optional System Components

- Pressure Switch
- Response Indication Panel
- 24 V DC Banshee Alarm (Hooter)
- 24 V DC Adapter
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- Extinguishing Agent: Clean Agent HFC 227ea
- Agent Container
- Direct Low Pressure (DLP) Valve with Integrated Ball Valve
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FEATURES AND BENEFITS OF THE CEASEFIRE QUICK RESPONSE SYSTEM – M

How the system works:
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2. This releases the pressurised clean agent gas on the fire and immediately extinguishes it.

Classification:
- Works on class A, B, C fires and fires involving electrically-charged devices. Effective on a wide range of flammable and combustible materials.

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

Electronics-Friendly:
- Shown to be electrically non-conductive and is safe for electrically charged equipment. HFC 236 is kinder on electronics than the majority of extinguishing agents available in the market.

High-value Risk Protection:
- Suitable for protection on a range of high-value risks as it virtually eliminates damage to high-tech equipment, artwork and other delicate and sensitive objects.

No Clean-up Required After Discharge:
- After a discharge, the extinguishing agent can be removed by simple ventilation.

Residue-Free:
- HFC 236 being a clean agent, it won’t leave behind oily residue, particulate or corrosive material.

24-hour Protection:
- Automatic detection and actuation controls ensure fire protection is always ‘on’.

Flexible Design:
- Flexible tubing allows protection in areas that are difficult to access and may not be able to accommodate any other means of detection.

International Quality Standards:
- The Ceasefire Quick Response System – M is manufactured to the highest global and national standards like LPCB, ISI and CE.

Rugged System:
- Can withstand even harsh conditions where other types of detection systems might be rendered inadequate.
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Electrical cabinets of various sizes

The revolutionary Ceasefire Quick Response System – M combines ground-breaking technology with functional simplicity. Armed with a heat-sensing tube, this direct system is entirely self-activated, and requires no human intervention once it has been installed. In case of a fire, the heat-sensing tube bursts and releases the extinguishing agent stored inside directly onto the fire. This makes it especially beneficial for microenvironments where the fire hazard is likely to be in an enclosed space (such as a server or a genset).

Backed by in-depth studies of common applications of the Ceasefire Quick Response System in the Indian market, the Ceasefire Design Cell has created 15 pre-fabricated variants of the system, which can be easily installed in microenvironments of different sizes. They are designed with utmost precision to international quality standards, and come with complete sets of accessories to fulfil all the requirements of a fire-prone microenvironment.
VARIANTS OF THE ENVIRO KITCHEN SUPPRESSION SYSTEM – M

The Enviro Kitchen Suppression System – M is available in 7 variants depending upon the length of your kitchen hood:

<table>
<thead>
<tr>
<th>System name</th>
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<tr>
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<td>Up to 1.3m long</td>
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<tr>
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<td>1.31m 1.7m</td>
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<td>CF - Enviro Kitchen Suppression System – M (Watermist) – V3</td>
<td>1.71m 1.9m</td>
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<tr>
<td>CF - Enviro Kitchen Suppression System – M (Watermist) – V4</td>
<td>1.91m 2.1m</td>
</tr>
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<td>CF - Enviro Kitchen Suppression System – M (Watermist) – V7</td>
<td>2.71m 3.2m</td>
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APPLICATION AREAS:

- Commercial kitchens
- Small restaurant kitchens

While other extinguishing systems use chemicals to put out fires involving oil and fat, these chemicals completely ruin your kitchen. Ceasefire’s Enviro Kitchen Suppression System – M has been specially designed for commercial kitchens.

Triggered by smoke, the first sign of a fire and a corresponding rise in temperature, this powerful, automated firefighting system is fully equipped to douse the flames, before they spiral out of control. The USP of the system is that it’s Watermist-based, which causes no collateral damage, ensuring your kitchen is up and running at the earliest.

Backed by in-depth studies of common applications of the Enviro Kitchen Suppression System in the Indian market, the Ceasefire Design Cell has created 7 pre-fabricated variants of the system, which can be installed in kitchens of different sizes. They are designed with utmost precision to international quality standards, and come with complete sets of accessories to fulfil all the requirements of a fire-prone microenvironment.
COMPONENTS OF THE ENVIRO KITCHEN SUPPRESSION SYSTEM – M

System Components

- Extinguishing Agent – Mix of demineralised water and nitrogen gas
- Stored Pressure Containers with rotors
- Stainless Steel Piping
- Detection & Actuation Unit
- Manual Actuation Unit
- Multi-nozzle & Single Nozzle Heads

FEATURES AND BENEFITS OF THE ENVIRO KITCHEN SUPPRESSION SYSTEM – M

- **24-hour Protection:** Automatic detection and actuation controls ensure fire protection is always ‘up’.
- **LPCB Certified:** The system is certified by Loss Prevention Certification Board (LPCB).
- **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 surrounding area.
- **Minimal Downtime:** The clean water leaves no toxic chemicals, nor does it damage equipment and furniture, reducing post-fire damage and ensuring that operations are up and running at the earliest.
- **Unobtrusive Design:** Flexible piping configurations allow for a streamlined design and convenient installation that will not interfere with office workflow.
- **Highly Reliable:** A fully assembled and 100% tested mechanical control head ensures reliable operation. A pressure gauge on the steel cylinders marks the gas levels so maintenance staff can replenish it whenever required. Protective chrome nozzle covers keep nozzles free from contamination and blockages that could inhibit the proper discharge of the extinguishing agent.
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APPLICATION AREAS:

Commercial kitchens  Small restaurant kitchens
the Ultra Kitchen Suppression System – M is available in 6 variants depending upon the length of your kitchen hood:

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The Ultra Kitchen Suppression System – M from Ceasefire is designed as an economical yet effective firefighting solution. The system uses specially formulated, non-corrosive wet chemical extinguishing agent and a specially designed heat-sensing pneumatic polymer tube to combat even the worst kitchen fires.

When a fire breaks out, the heat-sensing tube that runs unobtrusively under the kitchen hood detects the rise in temperature and bursts to let the pressurised wet chemical through. The extinguishing agent is sprayed over the fire area, dousing the flames and bringing down the temperature to below combustion levels.

Backed by in-depth studies of common applications of the Ultra Kitchen Suppression System in the Indian market, the Ceasefire Design Cell has created 6 pre-fabricated variants of the system, which can be installed in kitchens of different sizes. They are designed with utmost precision to international quality standards, and come with complete sets of accessories to fulfil all the requirements of a fire-prone microenvironment.

APPLICATION AREAS:

- Commercial kitchens
- Small restaurant kitchens
COMPONENTS OF THE ULTRA KITCHEN SUPPRESSION SYSTEM – M

FEATURES AND BENEFITS OF THE ULTRA KITCHEN SUPPRESSION SYSTEM – M

- **24-hour Protection:**
  Automatic detection and actuation controls ensure fire protection is always ‘up’.

- **LPCB Certified:**
  The system is certified by Loss Prevention Certification Board (LPCB).

- **Multiple Triggers:**
  The system can be triggered either by the manual actuation system or the automatic detection system.

- **Highly Effective:**
  Wet chemical agent prevents re-ignition by cooling down the temperature of the surrounding area.

- **Minimal Downtime:**
  The wet chemical agent acts as a clean agent to your kitchen’s expensive equipment and can be cleaned away quickly leading to minimum downtime.

- **Unobtrusive Design:**
  Flexible piping configurations allow for a streamlined design and convenient installation that will not interfere with office workflow.

- **Highly Reliable:**
  A fully assembled and 100% tested mechanical control head ensures reliable operation. A pressure gauge on the steel cylinders marks the gas levels so maintenance staff can replenish it whenever required. Protective chrome nozzle covers keep nozzles free from contamination and blockages that could inhibit the proper discharge of the extinguishing agent.
COMPONENTS OF THE ULTRA KITCHEN SUPPRESSION SYSTEM – M

**System Components**
- Wet Chemical Extinguishing Agent
- Stainless Steel Container
- Cylinder Valve
- Pneumatic Polymer Tube
- Manual Actuation Unit
- Extinguishing Nozzles

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