

**THE 4X4**

**WATERMIST FIREFIGHTER.**



**CEASEFIRE TETRAQUAD**





# ARE YOU EQUIPPED TO TAKE ON AN INFERNO?

Experts across all industries agree upon one thing: **fire is the biggest, fiercest foe.**

Units that use fire in their day-to-day operations are always prone to fire. Goods, raw materials and stock on the premises only up the threat level. Petrol pumps, airports and refineries where large amount of highly flammable liquid fuels are stocked are always at risk. Schools and malls face their own share of fire threats due to a variety of sources. The high occupancy of human lives takes the risk to a different level altogether.

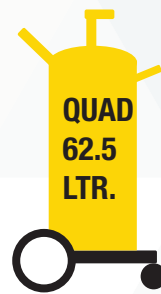
In a fire situation, the first instinct is to call the fire services. The second, to fight the flames with portable extinguishers on the premises, while you wait for help to arrive. The reality is fire extinguishers only have a limited firefighting capacity, and with the traffic conditions of today, it is very possible help won't arrive in time.



# FIRE MEETS ITS BIGGEST, TOUGHEST ENEMY EVER.

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

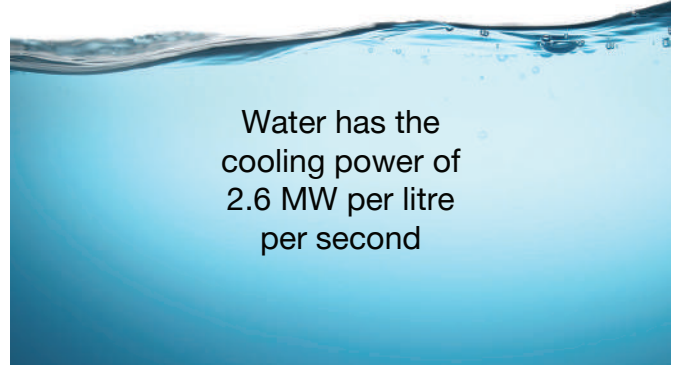


**X 4 = 250 LTR.**

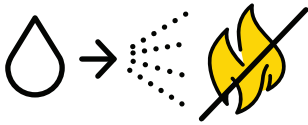


# HARNESSING THE POWER OF WATER, AND MULTIPLYING IT.

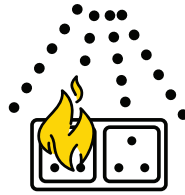
It's common knowledge that there is no extinguishing agent more potent than water. With its massive cooling power of 2.6 MW per litre per second, water kills even the largest of fires in minutes. But even fire's worst adversary has its shortcomings. Using water on an electrically started blaze can be 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.



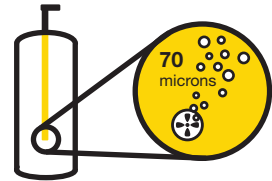
The TetraQuad does just that:



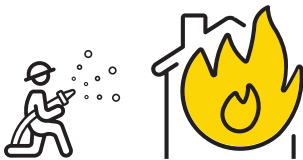
Not only does this firefighting system **break water down into the exact micron size required to fight the flames**, it gives Watermist the immense energy it needs to reach the fire at a force.



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 **TetraQuad's mist generator 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.



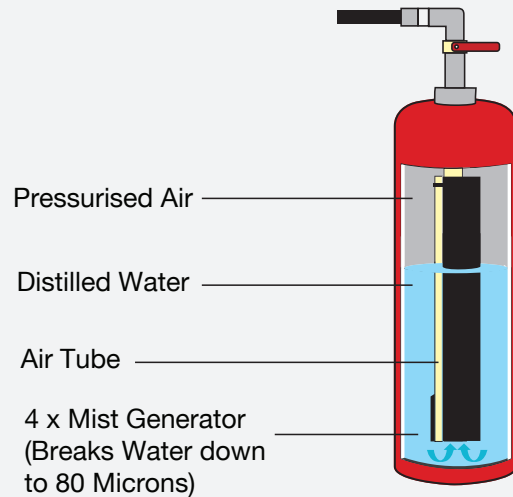
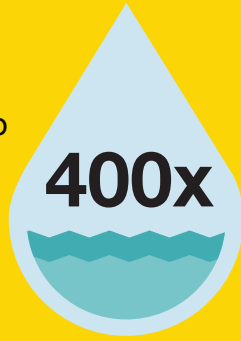
When Watermist falls on the fire, it **rapidly brings down the temperature to below combustible levels, cuts off the oxygen supply and kills the flames.**

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.



# 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+foammist-based System:

The quickest way to kill a fire is to not let it feed off the oxygen in the vicinity. When used as a Foam System, the Ceasefire TetraQuad blankets the flames with a special foam that's highly effective on Class B fires, and oil and petrol fires. With a sub-70 micron size mist, the TetraQuad ensures there's no risk of electric conduction, thermal shock or recoil while operating.



## The TetraQuad as a Foam-based System:

In large fires involving petrol pumps, you need to go foam. With a range of 30 metres and a 60 second discharge, the TetraQuad floods the area with thick foam, immediately cutting off the oxygen supply and giving the fire only one choice - to go out.



← 23-30 metres →





# FEATURES AND BENEFITS OF THE TETRAQUAD



## 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.



## 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.



## Fights Class A and B:

The TetraQuad is a massive firefighting system effective against class A and B fires.



## Does not require any Electricity:

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



## 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.



## 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.



## Controllable Discharge Mechanism:

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





**4 Cylinders, Massive Firefighting:**

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

**Stainless Steel Body:**

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

**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.

**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.





# APPLICATION AREAS

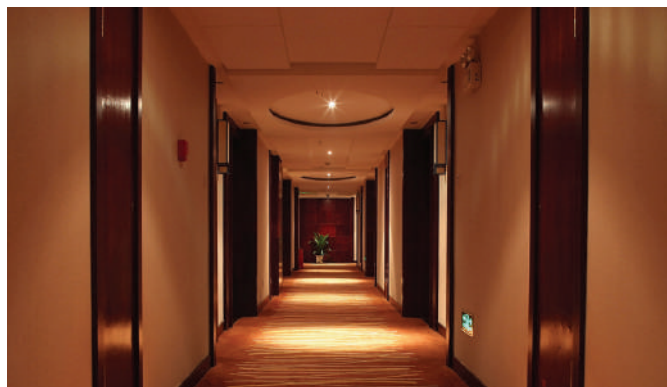
Being wheel-mounted or vehicle-mounted, the TetraQuad can easily be rushed to the scene of the fire to battle the flames. The green, eco-friendly Ceasefire TetraQuad is

ideal for any premises, like factories, industries, hotels, hospitals, auditoriums, small airports, warehouses, petrol pumps, and even malls.



## Factories and Industries:

Factories and industries are packed with combustible raw materials, inflammable chemicals and finished goods, all of which can become fuel for a fire. With its huge firefighting power, the TetraQuad stops the fire before it consumes the entire setup.



## Hotels:

High occupancy of people, expensive interiors and presence of food on one side. High risk of fire due to a wide array of modern electric utilities and continuous kitchen operations on the other. Hotels top the list on fire hazards. The TetraQuad is perfectly safe to use in areas where there are many people and the presence of food. Being Watermist-based, the TetraQuad does not cause any damage to the interiors of plush hotels, or any discomfort to the guests visiting it. Being trolley-mounted it can be moved swiftly to the scene of fire anywhere on the premises.



## Refineries:

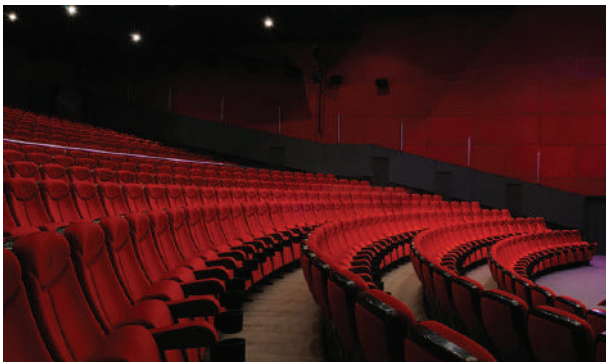
The TetraQuad is perfect for refineries where the risk of fire is extremely high.

Its easy manoeuvrability, incredible firefighting power and long reach help you suppress any fire and save lives and fuel.



## Petrol Pumps:

The TetraQuad can also be effectively used at petrol pumps and oil storage facilities as the foam variant works effectively on B Class fires.



### Auditoriums and Theatres:

Large setups like auditoriums, movie theatres and stadiums are places where firefighting systems like sprinklers and suppression systems are rendered useless. The TetraQuad, on the other hand, can easily be wheeled to the scene of the fire, allowing it to quell the flames within minutes, without destroying the theatre.



### Airports:

A large area. Jet fuel. Maintenance activities. Thousands of people. A fire in an airport can exacerbate into a full-blown emergency situation, putting at risk the lives of passengers and staff. The trolley-mounted or vehicle-mounted TetraQuad can reach the site of the flames and extinguish it with ease.



### Malls:

At any given point of time, a mall is filled with hundreds of shoppers browsing through stores for clothing, electronics, furniture, etc. A fire can mean large-scale panic and tremendous losses. The TetraQuad turns around the situation by rapidly killing the fire, even on the topmost floors. The Watermist in the TetraQuad ensures zero collateral damage.

### Hospitals:

A hospital, at any given time, is filled with people. Patients too ill to make their own way to safety, and staff who need to help them. What makes it worse is the oxygen cylinders, spirit, gas, bandages, linen and medicines on the hospital premises that can fuel a fire on, and push it out of control. The TetraQuad effectively handles hospital fires before they can get out of control, while Watermist causes no discomfort to the patients.





# TECHNICAL SPECIFICATIONS

| Nomenclature                | Tetraquad Fire Extinguisher 250L SS SP Red   | Tetraquad Fire Extinguisher 250L SS SP Red Additive |
|-----------------------------|--|---|
| Stored Pressure / Cartridge | Stored Pressure                              | Stored Pressure                                     |
| Agent                       | Water  | Water + 6% of KV Lite Foam 3% C-6                   |
| Throw                       | Jet Mode : 20 meters   Spray Mode : 4 Meters | Jet Mode : 20 meters   Spray Mode : 4 Meters        |
| Agent Category              | Watermist                                    | Foammist  |
| Product Code                | CF-000860                                    | CF-000861   |
| PED                         | Yes  | Yes   |
| UKCA-PED                    | Yes  | Yes   |
| Gross Weight (approx.)      | 500 Kg                                       | 500 Kg  |
| Net Mass (approx.)          | 250 Ltr                                      | 250 Ltr   |
| Discharge Mechanism         | Operating Lever (Ball Valve)                 | Operating Lever (Ball Valve)                        |
| Applicable On Fires         | A  | A and B   |
| EN 3 Ratings Class A Fire   | A  | A   |
| EN 3 Ratings Class B Fire   | N/A  | IVB   |
| Can Construction            | Drawn Rolled & MIG Welded                    | Drawn Rolled And MIG Welded                         |
| Valve / Cap Construction    | Forging & Machining                          | Forging & Machining                                 |
| Internal Coating            | N/A  | N/A   |
| External Coating            | Epoxy Polyester Powder                       | Epoxy Polyester Powder                              |
| Warranty In Years           | 1  | 1   |
| Gun Weight (approx.)        | 2.02 Kg                                      | 2.02 Kg   |
| G.A. Drawing Number         | CF/TRL-WM-62.5X4/GA/02                       | CF/TRL-FM-62.5X4/GA/02                              |
| Working Pressure            | 12 Bar to 15 Bar                             | 12 Bar to 15 Bar                                    |
| Dia. Of Shell (OD)          | 450 mm                                       | 450 mm  |
| Operating Temperature       | 5° C to 60° C                                | 5° C to 60° C                                       |
| Hydrostatic Test Pressure   | 30 Bar                                       | 30 Bar  |
| Cylinder Material Spec.     | SS 304 (1.4301)                              | SS 304 (1.4301)                                     |
| Body Thickness              | 2.5 mm                                       | 2.5 mm  |



## FIGHTS CLASS

A B

## STANDARDS

PED

## CERTIFICATIONS

CE<sub>1128</sub>UK  
CA

## CERTIFYING BODY



# CEASEFIRE DESIGN CELL:

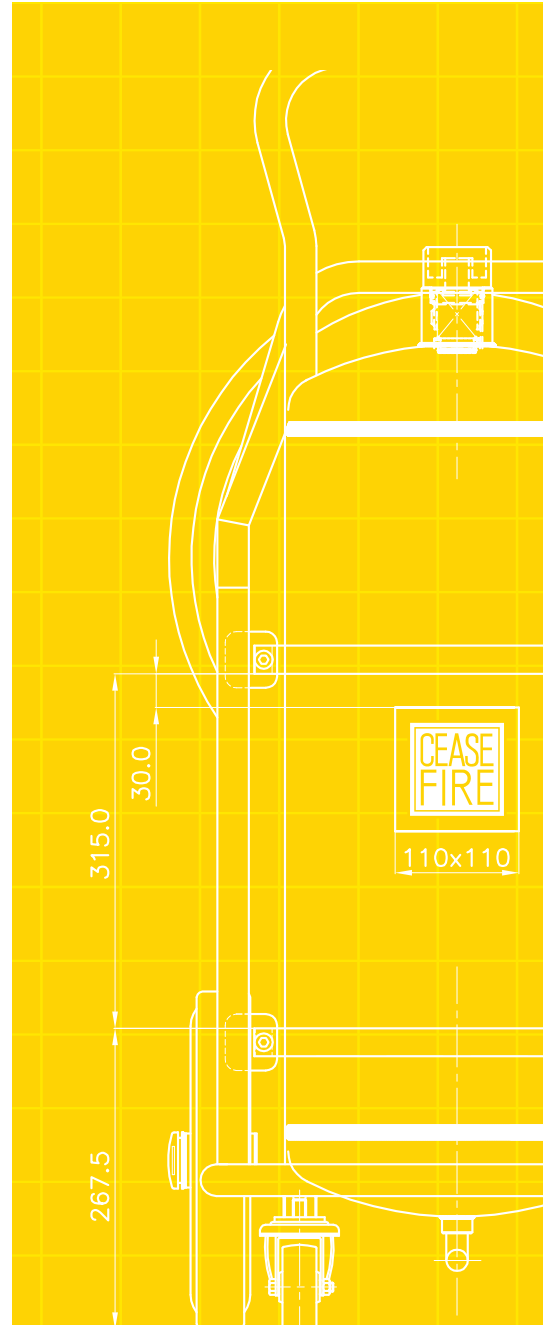
No two premises are alike. By offering the most flexible system configurations in the industry, Ceasefire provides the most efficient protection for facilities. Believing that the most effective fire solutions are the ones that are customised according to the unique characteristics of the area being protected, Ceasefire has established the Ceasefire Design Cell (CDC).

Functioning as the single touch point for all fire safety needs, CDC is manned by fire experts and managers with years of experience in fire safety under their belts. As a part of Ceasefire's 360 degree protection solution, the Ceasefire Technical Survey team visits your facility and conducts a detailed study to understand its vulnerabilities and requirements. They survey the premises and work out requirements and the number of Wheeled Watermist Based System required based on fire threats in the room.

Once it has been finalised, Ceasefire's expert Installation Team oversee installation and testing. The Ceasefire Team also trains you and your staff to use the fire safety system.

## Benefits:

- An exhaustive planning process, executed by engineers with years of experience.
- State-of-the-art solutions and products in association with world leaders.
- Design and installation of your System overseen by professionals, ensuring delivery of a high quality, reliable system.



## CEASEFIRE NOW

360° lifesaving fire and safety solutions. More than 3,000 new customers a month. A product sold every 61 seconds. A life saved every 5 minutes. Presence in over 300 cities and towns. Backed by a team of more than 2,000. 400 lifesaving products – from green fire extinguishers that can tackle any kind of fire to first of its kind automatic fire extinguisher to most advanced independent suppression systems – Ceasefire has it all. We're equipped and ready to protect your premises.





## Ceasefire Industries UK Limited

Office Number 301.3 One Victoria Square, Birmingham  
West Midlands B1 1BD, United Kingdom

Tel: 0-113-868-6666 / 0-126-891-9999



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