

CEASEFIRE HIGH PRESSURE WATERMIST & COMPRESSED AIR FOAM SYSTEM (CAF)



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Six minutes. That's all the time fire gives you to fight the flames, vacate the premises, save your valuables and escape. Six minutes before life as you know it changes. In these high-pressure situations, you need a high-pressure firefighter on your side. That's where Ceasefire's High Pressure Watermist & CAF comes in. A High-Pressure Compressed Air Foam System that's built to handle the pressure of a fire situation.

FIRE'S OLDEST ENEMY MEETS THE NEWEST.

Water is fire's oldest enemy, with a cooling ability of 2.6 MW per litre per second. But in a real fire situation, this cooling can only be achieved with hundreds of litres of water. Because nearly 80% of it doesn't evaporate.

Water's immense firefighting power can be optimally utilised only by complete vaporisation in a fire environment. To achieve this, water must be broken down into microscopic molecules that have a surface area coverage many times higher than water. These droplets must then be delivered to the fire with a kinetic

force strong enough to overcome fire's own convection currents. The result: a powerful, efficient extinguisher.

Ceasefire brings together all these features in the High Pressure Watermist & CAF. A Watermist Compressed Air Foam High Pressure System that's one of the best fire fighting weapons ever designed.

HIGH PRESSURE WATERMIST & CAF

The High Pressure Series features a high technology gun which breaks water up into minuscule droplets. These droplets are then delivered through micro nozzles with a high degree of dispersion onto the flames, allowing you to fight even the largest fire successfully.

The 31 bar high-pressure system allows for nearly 100% of the mist turning into steam and evaporating. Stopping the fire from spreading and eliminating collateral

damage. The mist also acts as the perfect barrier against thermal radiation, protecting the firefighter.

Available in 10 Ltr. & 50 Ltr. , the High Pressure Series can also be used as a foam mist or purely as a foam system. Making it safe to use on Class B fires like petrol and diesel, as well as electrically started fires – two areas where traditional water applications would either spread the fire, or cause an electrical shock.

TECHNICAL SPECIFICATIONS

| NOMENCLATURE FOR PORTABLE FIRE EXTINGUISHER | FIRE EXTINGUISHER CAFS HIGH PRESSURE FOAM MIST 10L ALUMINIUM CT RED | Fire Extinguisher CAFS HIGH PRESSURE Foam Mist 50L AL CT |
|---|---|--|
| PRODUCT CODE | CF-000981P | CF-000982P |
| PRESSURE TYPE | CARTRIDGE TYPE | Cartridge Type |
| EXTINGUISHING AGENT | AFFF FOAM 6% | AFFF Foam 6% |
| APPLICABLE ON FIRES | A, B & ELECTRICAL STARTED FIRE. | Class A, B & Electrical Started Fire |
| IS 15683 RATINGS | — | — |
| IS 15683 RATINGS | — | — |
| IS 15683 RATINGS | — | — |
| EN 3 RATINGS | 55A | 55A |
| EN 3 RATINGS | 233B | IVB |
| EN 3 RATINGS | NA | NA |
| CERTIFICATION STANDARD | PED | PED |
| CERTIFICATION BODY | EUROCERT | EUROCERT |
| GROSS WEIGHT | APPROX. 25.50 KG | APPROX. 106.00 kg |
| NET CONTENT | 10.00 LTR | 50.00 Ltr |
| APPROX. HEIGHT OF FIRE EXT. | 665 MM | 1200 mm |
| DISCHARGE MECHANISM | Squeeze Grip Gun | Squeeze Grip Gun |
| CAN CONSTRUCTION | DRAWN ROLLED & MIG WELDED | DRAWN ROLLED AND MIG WELDED |
| VALVE / CAP CONSTRUCTION | MACHINING | MACHINING |
| INTERNAL COATING | NO | NO |
| EXTERNAL COATING | EPOXY POLYESTER POWDER | EPOXY POLYESTER POWDER COATING |
| HELIUM LEAK DETECTION TESTING | NO | NO |
| WARRANTY IN YEARS | 6 | 6 |
| APPROX. GUN WEIGHT IN KG | 0.79 KG | APPROX. 0.43 kg |
| WORKING PRESSURE | 30 to 31 BAR | 31 Bar |
| DIA. OF SHELL (OD) | 204.0 MM | 300.0 mm |
| OPERATING TEMPERATURE | +5° C to +60° C | +5° C to +60° C |
| HYDROSTATIC TEST PRESSURE | 45 BAR | 50 Bar |
| CYLINDER MATERIAL SPEC. | AL ALLOY 6061 | Al Alloy 6061 |
| BODY THICKNESS | 5.0 MM | 8.0 mm |

* Please check specification before ordering. Specification can change without notice due to continuous R & D.

FIGHTS CLASS

A B ⚡

STANDARDS

PED

CERTIFICATIONS

CE₁₁₂₈

CERTIFYING BODY



FEATURES OF THE HIGH PRESSURE SERIES

■ **High Firefighting Efficiency:**

Thanks to a vast evaporation surface, nearly 100% of the mist delivered through the system evaporates in the fire environment, making for a more powerful, more efficient firefighting system.

■ **High Firefighting Effectiveness:**

The Ceasefire High Pressure Watermist & CAF works on all types of fires-including electrically started and petrol fires which cannot be fought using traditional water dispensing mechanisms.

■ **Effective on Classes :**

Works on Class A, B and electrically started fires.

■ **Tested for Polar Solvent Fires:**

Only Watermist Based System that is tested for Polar Solvent Fires by NABL accredited Lab.

■ **Guarantee of Quality:**

Ceasefire manufactures High Pressure Watermist & CAF at its state-of-the-art plant to meet global standards. Every Ceasefire product goes through a battery of the most stringent quality checks at par with international standards.

■ **Extra Security for People:**

Mist acts as a great barrier against thermal radiation, giving added protection to the firefighter.

■ **Low Water Usage with a Mist of < 150 microns:**

The system generates a 150 micron mist, thereby using far less water than conventional water jets.

■ **A Green Extinguisher:**

The use of water as the primary agent makes the system an environmentally-friendly product.



*It is mandatory for the extinguisher to be refilled by Ceasefire in the 3rd year.

APPLICATION AREAS

Being wheel-mounted or vehicle-mounted, the CAFs can easily be rushed to the scene of the fire to battle the flames. The green, eco-friendly Ceasefire CAFs 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 CAFs 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. CAFs is perfectly safe to use in areas where there are many people and the presence of food. Being Watermist-based, the CAFs 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.



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 CAFs effectively handles hospital fires before they can get out of control, while Watermist causes no discomfort to the patients.



Petrol Pumps:

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

CEASEFIRE DESIGN CELL :

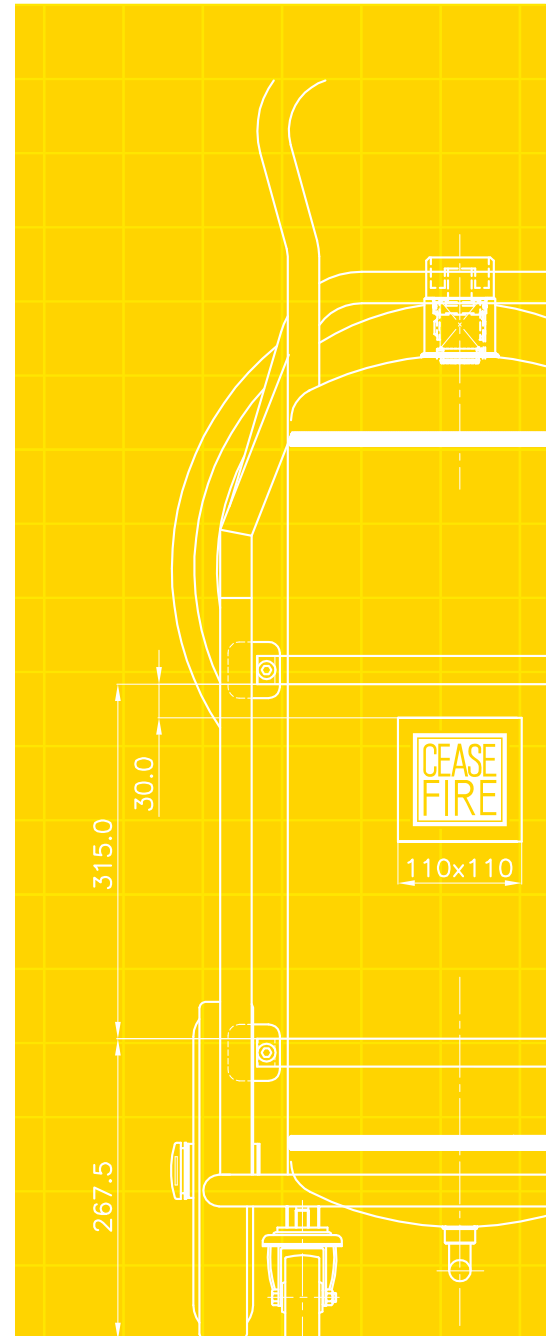
No two premises are alike. By offering the most flexible system configurations in the industry, Ceasefire provides the most efficient protection for facilities. Believing that the most effective fire solutions are the ones that are customised according to the unique characteristics of the area being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



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