



RESCUE RANGER
Delivering Hope, One Ride at a Time

Rescue Ranger - CAFS - Fire Trailer System



CAFS – Compressed Air Fire Systems

The Rescue Ranger CAFS fire trailer has been developed as an addition to our vision for assisting with emergency services. This unit is a mobile fire trailer that has 60L of a foam-water mix to assist in firefighting. The unit can be fitted behind one of our emergency first responder units, or any motorcycle, it simply clips on and off. The unit is highly manurable making it easy to manoeuvre in between traffic. The unit will assist with moderate fires and vehicle fires, and can be used to responded while waiting for a fire truck to arrive.

The unit has a 30m Hose with an adjustable nozzle for spray or mist enabling it to spray for up to 15m is can spray up to 16L/min if required.



Product Background of CAFS

Traditional fire extinguishers can only have a significant effect on the initial fire, but in some cases, such as gas station fires, bus fires, building fires, etc., these fires are large and spread rapidly at first, and traditional fire extinguishers cannot approach and extinguish fires at all. However, CAFS can spray dozens of meters, and can spray for 2 to 20 minutes or longer to extinguish fire. Before the fire truck arrives, CAFS can directly extinguish the fire or control the spread of fire. In addition, CAFS is easy to operate and can be operated by ordinary personnel without the need for professional firefighters. In some narrow places, fire trucks are difficult to enter, but CAFS is small and mobile, and it is easy to enter. In addition, there are no fire hydrants, electricity, etc. in many places, so CAFS is also, a good choice. Therefore, CAFS is a good choice compared to fire extinguishers or where fire trucks cannot reach.

Principles of System

The compressed air fire extinguishing system uses a high-pressure gas cylinder as the power source, which drives the fire extinguishing agent to have a stable pressure and rapid injection during the duration. The high-pressure gas cylinder reaches the water foam mixture tank after decompression, and drives the water foam mixture to spray through the spray pipeline and the spray gun. High-pressure gases and water foam mixture can be filled multiple times. Air or nitrogen both can be chosen. According to the class of fire, foam, water mist, FM200, FE-36, Novec1230, and other agents can be selected.



The water foam tanks can be refilled and the high-pressure air tanks can be refilled with this high-pressure pump. One pump can be used for many of the fire trailer.

Advantages of System

- The system can be stored foam agent and with high-pressure gas bottle, stable and ready for use.
- All parts are steel and aluminium material with red painting.
- The compressed gas drives the water and foam agent discharge for a long distance.
- The system has hose reel for extra reach.
- System can be transported easily manoeuvring through traffic.
- It is fixed on motorbike and can be free standing.



4 Berkhout Street
Sweetwaters
King Williams Town
Qonce
5600
South Africa
Tel: +27(0) 406551641
Email: info@rescueranger.co.za
Website: <https://rescueranger.co.za>



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Unit 16 Industrial Park
7 Bert Kipling Street
Wilsonia
East London
5247
South Africa
Tel: +27(0) 406551641
Email: info@rescueranger.co.za
Website: <https://rescueranger.co.za>