



*First Strike Fire Fighting*



## 50 Litre CAFS Mobile Unit

The CAFS mobile unit with the Fireexpress dual lance and a 50 litre tank is a self-contained system for premixed water and foam. The system is driven by compressed air delivered from a standard 6.0 litre steel air tank filled to 300 bars. The design allows high water to weight ratios and the system is noise and pollution free. Operating the unit is very uncomplicated due to the simplicity. From the 50 litre tank, the premixed water and foam enter the 30 metre discharge hose, which is connected to the dual lance. The dual lance is operated via a pistol grip and via a selector handle the operator can extinguish the fire with a combination of long-range cloud of micro-drops and compressed air foam.

The micro-drops can be sprayed out to a range of 11 meter while the concentrated jet of foam has a range of 13 meter.

The micro-drops are highly efficient on most classes of fires with its high protection from radiant heat, superior cooling effect and displacement of oxygen from the proximity of the fire.

The foam adhering to the flammable material cool the burning material and creates an effective separation layer that shields the flammable material from the ambient air and improves the safety against back-burning. The foam is highly effective on embers in fibrous materials and fires in flammable liquids.

The CAFS Mobile unit can be mounted in rapid intervention vehicles or be used as stationary fire protection for medium sized fires in industrial buildings, warehouses, car decks and engine rooms on ships, aircraft hangers etc. The unit can be mounted with a transport kit, which consists of a handle and different options for wheel configuration. This makes it possible to move the unit around over shorter distances.

The CAFS Mobile unit combines micro-drops and CAFS for more than 2 minutes of uninterrupted firefighting. The 30 metre hose provides the firefighter optimal conditions for extinguishing the fire from different positions.



## First Strike Fire Fighting

Propellant:	Compressed atmospheric air
Pressure source:	6.0 litre air tank of steel for 300 bar pressure
Working pressure:	Preset at 20 bars
Spray device:	Fireexpress lance with patented dual nozzle
Lance measurements:	104 cm long, 4 kg
Spray options:	Micro-drops or jet of aspirated foam as selected by operator with instant change
Stream options:	Continues stream or manual pulsing
Spray range:	11 metres for micro-drops and 13 metres for foam jet
Water/foam tank:	50 litre stainless steel water/foam tank, sufficient for 136 seconds on constant spray
Flow rate:	22 litres per min.
Foam expansion rate:	Expansion rate, approximately 1:8
Discharge hose:	30 metres ½” hose on reel with manual rewind
Hose type:	Oil and temperature resistant (-40° C up to +100° C) according to EN 854
Corrosion resistance:	Shell – powder coated aluminium. Water tank – stainless steel
Safety features:	Two pressure safety valves (26 bars and 40 bars) Non-return valve between pressure regulator and water/foam tank ATEX zone 2 approved
Optional accessories:	Air tank, transport kit, filling kit, valve with pressure gauge for air tank, flat jet spray adapter for penetration of forest floor
Dimensions (D x W x H):	Stationary (incl. lance and air tank): 120 x 46 x 68 cm  Movable (incl. lance, air tank and transport kit): 120 x 46 x 95 cm      4 castor wheels 120 x 55 x 110 cm    2 large solid non-swivel wheels (rear) and 2 foot brackets (front) 120 x 56 x 110 cm    2 large solid non-swivel wheels (rear) and 2 castor wheels (front)
Weight:	48 kg (empty), lance 4 kg, air tank 8 kg, transport kit 4 kg
Firefighting capability:	Able to fight class A, B, C and E fires Tested according to EN 1866 IVB (Class A and B fires) Approved for electrical fires up to 10,000 volts

Product information and specifications are subject to change without notice.

2022