



50 Litre Mobile Unit

The mobile unit is a self-contained system with a 50 litre tank for premixed water and foam. The system is driven by compressed air delivered from a standard 6.0 litre breathing apparatus tank filled to 300 bars.

The pressure of the air is reduced to 20 bars in a pressure regulator before it enters the water tank. A non-return valve is mounted between the pressure regulator and the water tank to avoid a drop in air pressure if the air tank is disconnected while the unit is pressurized. A pressure safety valve (40 bars) is mounted in the pressure regulator. When the air enters the top of the water tank, it forces the water downwards and up into a tube inside the water tank and out into the hose. An additional safety valve (26 bars) is mounted on the water tank.

As the water entering the tube inside the water tank originates from the bottom of the water tank, only water is supplied into the hose. No air will be forced into the hose as long as there is water in the tank.

From the water tank, the water will enter the 30 metre hose, which is connected to the lance. The lance is operated via a pistol grip.

The mobile unit is used for fighting fires in relative close proximity to the location of the unit. 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. Without a transport kit the mobile unit is ideal for installation in smaller emergency vehicles.

A filling kit ensures a proper mixing of water and foam and helps avoid having foam spill over the unit.

The mobility of the system makes it very useful in industrial areas such as factories, warehouses, car decks and engine rooms on ships, aircraft hangers etc. or in light rescue vehicles.



First Strike Fire Fighting

Propellant:	Compressed atmospheric air
Pressure source:	6.0 litre breathing apparatus tank of steel for 300 bar pressure
Working pressure:	Preset at 20 bars
Nozzle:	Firexpress patented dual nozzle
Nozzle pressure:	13 bars
Lance measurements:	104 cm long, 4 kg
Spray options:	Micro-drops or jet stream of aspirated foam as selected by operator with instant change
Stream options:	Continues stream or manual pulsing
Range:	11 metres
Drop size (micro-drops):	7-100 microns
Water/foam tank:	50 litre stainless steel water/foam tank, sufficient for 136 seconds on constant spray
Flow:	22 litres per min. (micro-drops), 110 litres per min. (aspirated foam)
Recommended foam solution:	3% AR-AFFF (alcohol resistant) foam solution, premixed in water
Foam expansion rate:	Low expansion rate, approximately 1:5
Hose:	30 meters 1/2" hose on reel with manual rewind
Hose type:	Oil and temperature resistant (-40° C up to +100° C) according to EN 854
Corrosion resistance:	Water tank – stainless steel type AISI 304 (non-CE marking) or AISI 316 (CE marking) Housing – powder coated aluminium
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
Accessories:	Lance with cavity spear, lance with cleaning nozzle, flat jet spray adapter for penetration of forest floor, transport kit, filling kit
Dimensions (D x W x H):	Stationary: 73 x 40 x 59 cm Incl. transport kit: 73 x 40 x 73 cm 4 castor wheels 85 x 51 x 73 cm 2 large solid non-swivel wheels (rear) and 2 foot brackets (front) 85 x 51 x 73 cm 2 large solid non-swivel wheels (rear) and 2 castor wheels (front)
Weight:	55 kg (empty), 105 kg (filled with 50 litres of water/foam mix). Breathing apparatus tank: 8 kg. Transport kit: 6.5 kg.
Fire fighting capability:	Able to fight class A, B, C and E fires Tested according to EN 3-7 standard Approved for electrical fires up to 10,000 volts

Product information and specifications are subject to change without notice.

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