



## 50 Litre Mobile Unit

Firexpress

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 bar.

The pressure of the air is reduced to 20 bar 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 pressurised. A pressure safety valve (40 bar) 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 bar) is mounted on the water tank.

As the water entering the hose 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 different options for wheel configuration and a handle. 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 high risk areas such as factories, warehouses, car decks and engine rooms on ships, aircraft hangers etc.

**GAAM**   
Emergency Products



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<b>Propellant:</b>	Compressed atmospheric air
<b>Pressure source:</b>	6.0 litre breathing apparatus cylinder of steel for 300 bar pressure
<b>Working pressure:</b>	Preset at 20 bar
<b>Nozzle:</b>	Firexpress patented dual nozzle
<b>Nozzle pressure:</b>	13 bar
<b>Lance measurements:</b>	104 cm long, 4 kg
<b>Spray options:</b>	Micro-drops or jet stream of aspirated foam as selected by operator with instant change
<b>Stream options:</b>	Continues stream or manual pulsing
<b>Range:</b>	11 metres
<b>Drop size (micro-drops):</b>	7-100 microns
<b>Water/foam tank:</b>	50 litre stainless steel water/foam tank, sufficient for 136 seconds on constant spray
<b>Flow:</b>	22 litres per min. (micro-drops), 110 litres per min. (aspirated foam)
<b>Foam solution:</b>	3% AFFF (alcohol resistant) foam solution, premixed in water
<b>Foam expansion rate:</b>	1:5
<b>Hose:</b>	30 meters ½" hose on reel with manual rewind
<b>Hose type:</b>	Oil and temperature resistant (-40° C up to +100° C) according to DIN 20021-2TE and EN 854-2TE
<b>Corrosion resistance:</b>	Water tank – stainless steel type AISI 304 (non-CE marking) or AISI 316 (CE marking) Housing – powder coated aluminium
<b>Safety features:</b>	Two pressure safety valves (40 bars and 26 bars) Non-return valve between pressure regulator and water/foam tank
<b>Accessories:</b>	Lance with cavity spear, lance with cleaning nozzle, flat jet spray adapter for penetration of forest floor, transport kit, filling kit, ATEX zone 2 approval
<b>Dimensions (D x W x H):</b>	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)
<b>Weight:</b>	55 kg (empty), 105 kg (filled with 50 litres of water/foam mix). Breathing apparatus cylinder: 8 kg. Transport kit: 6.5 kg.
<b>Fire fighting capability:</b>	Able to fight class A, B, C, D and E fires Tested according to EN 3-1 1997 standard Approved for electrical fires up to 10,000 volts

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