



FIREXPRESS[®]

First Strike Fire Fighting



All Terrain Vehicle – Polaris Ranger 1000

The Fireexpress firefighting all terrain vehicle is a self-contained system with a pump driven unit, a 300 litre water tank and a 12 litre tank for foam.

The pump driven unit consists of a petrol engine with electric and manual start, which drives a self priming membrane pump preset at 40 bars as well as a foam dosing system.

Via a selector switch, it is possible to choose either to spray with a water/foam solution or only water. The foam percentage can be preset between 1 and 6% depending on the installed orifice.


From the pump the water is forced into a 50 metre discharge hose, which is connected to the lance. The lance is operated via a pistol grip. The hose can be extended up to a length of 100 metres.

It is able to deliver 30 litres of water per minute or 150 litres of aspirated foam per minute at a range of 15 metres for the micro drops and 18 meter for the foam jet. Baffle plates are installed inside the water tank to increase stability during transport.

The vehicle is equipped with a suction system with a 4 metre hose with a floating filter for suction of water from external water sources such as rivers, lakes, the sea or any available water reservoir. The system can be used simultaneous with using the firefighting system or to fill the water tank in approximately 8 minutes.

The firefighting system is mounted on an American made Polaris Ranger 1000 and comes with emergency lights and siren.

The Fireexpress ATV is an all terrain vehicle especially designed for fast response firefighting when rough terrain has to be navigated or some distance needs to be driven. The ATV can pull a trailer or sleigh and can be used to bring injured people through rough terrain to the nearest road.





First Strike Fire Fighting

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| Engine type: | Petrol engine with both electric and manual start (standard) |
| Engine performance: | 3,600 revolutions per minute |
| Engine fuel tank capacity: | Min. 3.1 litres, sufficient for 1.8 hours of operation at full output (petrol engine) |
| Pump: | Self priming membrane pump |
| Pump pressure: | Preset at 40 bars (recommended pressure) |
| 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: | Continuous stream or manual pulsing |
| Spray range: | 15 metres for micro-drops and 18 meter for foam jet at 50 metre discharge hose |
| Water tank: | 300 litre aluminium tank, sufficient water for 10 minutes on constant spray |
| Filling of water tank: | <ol style="list-style-type: none"> 11 cm hole at the top of the tank with filter for dump filling Suction system with 4 metre 1" hose with quick coupling and floating filter with stainless steel mesh for sucking up water from external water sources. Filling speed is 38 litres per minute. Full tank is achieved in 8 minutes. |
| Flow: | 30 litres per min. (micro-drops), 150 litres per min. (aspirated foam) |
| Foam system: | Integrated dosing foam system with 12 litre foam container |
| Recommended foam solution: | 3% AR-AFFF (alcohol resistant) foam solution |
| Foam expansion: | Low expansion rate, approximately 1:5 |
| Discharge hose: | 50 metre ½" hose on reel with manual rewind |
| Hose type: | Oil and temperature resistant (-40° C up to +100° C) according to EN 854 |
| Corrosive resistance: | <p>Shell of pump driven unit – powder coated aluminium</p> <p>Base plate of pump driven unit – stainless steel type AISI 304</p> <p>Water tank – powder coated aluminium</p> |
| ATV features: | 999 cc engine, 61 HP, 4 stroke twin cylinder, on demand all-wheel drive |
| ATV fuel tank capacity: | 43 litres |
| Towing load: | 1133 kg on level ground |
| Emergency features: | 2 strobe lights at the front, 1 strobe light on roll-over-bar, electronic siren |
| Safety features: | Roll-over bar |
| Optional accessories: | Flat jet spray adaptor for penetration of forest floor, orifice for adjusting foam percentage, noise reduction compartment, extension discs for hose reel, hose guide rollers, discharge hose up to 100 metres, BS 336 or Storz coupling for fast filling, tool box, road registration package, AFFF fire fighting foam |
| Dimensions (L x W x H): | 305 x 158 x 205 cm |
| Weight: | 1,039 kg (fully loaded) |
| Firefighting capability: | <p>Able to fight class A, B, C and E fires</p> <p>Tested according to EN 1866 IVB (Class A and B fires)</p> <p>Approved for electrical fires up to 10,000 volts</p> |

Product information and specifications are subject to change without notice.

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