

Wick fire pack

This kit includes a backpack, a portable motor pump, and a hose with a nozzle. It is designed for combatting wildfires.

USE AND OPERATION TECHNIQUES

It can be used with two operation techniques that allow deployment with only one person:

- | It can be used in a pump chain, from a Quick Attack Equipment on a pickup truck or other vehicle used in extinguishing with water lines, to be coupled in the suction of the Wick 100M Motor Pump. This allows to raise the pressure and increases the effective distance of water use.
- | In case the user needs to use water sources generally inaccessible with a vehicle (such as streams, rivers, irrigation canals, water bodies, or reservoirs installed as foldable, collapsible, or self-supporting panel tanks), driving the water through the hose sections that make up the kit. These actions are supported by the use of the Wick 100M Motor Pump.



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DETAILS

COMPONENTS



Rigid Forestry Backpack: Its ergonomic design, inspired by high-performance military backpacks, provides the necessary comfort for carrying heavy items over long periods.

Its structure, made entirely of aluminum, offers an excellent weight-strength ratio. It has a longitudinal design that provides rigidity to its structure and ensures resistance to rotational and/or torsional stress. It also has two lower structural reinforcements that provide load capacity and stability without the risk of collapse under the weight.

It also features a harness with a large contact surface with the body, which generates a better weight distribution, preventing the generation of back injuries and premature fatigue of the user. The harness is made with high-quality materials that avoid stress caused by contact after long days of use, and the fabrics used are certified under NFPA 701 fire resistance tests.



Wick 100M Motor Pump: HIGH-PERFORMANCE ULTRALIGHT MOTOR PUMP. Weighing 8.4 kg and operated with a 2-stroke engine, 2.4 HP / 1.8 Kw (47cc) and pump that reaches a maximum pressure of 100 PSI and a maximum flow 303 liters per minute. This pump is specifically designed for forest firefighting: single-stage pump compatible with the use of different types of foams

Besides, it features an integrated fuel tank, which allows 40 minutes of use, and an auxiliary tank can be added to extend the autonomy time up to 24 hours. The motor pump can operate in any position and inclination and has a 1.5" (38 mm) suction and discharge. It has a clutch system that engages the pump when accelerating, thus saving water at idle speed, a resource that is generally scarce in the work field.

Hoses: Mercedes Textiles hoses, compared to their competitors, have up to 60% less pressure loss per section. Thanks to their manufacturing process, they ensure good flow and pressure, which makes the pumps more efficient.



One length of Firebreak II Mercedes Textiles synthetic self-wetting forestry hose of 1" x 30 m with quick coupling. Burst pressure: 900 PSI.



-Two lengths of Forest Guard Mercedes dry forestry hose of 1.5" x 30 m with quick coupling. Burst pressure: 1000 PSI.



Inforest Nozzle 309: INFOREST Nozzle, model 309, of 1" (25 mm) made of anodized aluminum. Simple and resistant to temperature and shocks. It offers an adjustable flow rate, with jet or mist mode, which can be selected through a rotating piece. Flow rate: 37-115 liters per minute.



Optional bag for the exclusive transport of hoses: It is made of tarpaulin, with a front opening to allow the unloading of hoses without the need to take the backpack off the back. It also allows the user to load hoses in hanks, clothes, food, beverages, helmets, or other accessories.



Adjustment wrench: It includes two adjustment wrenches to allow the nozzle to be used with different types of hose couplings.



Wick 375 Motor Pump: HIGH-PRESSURE 4-STAGE MOTOR PUMP PERFORMANCE with a weight of 25.4 kg and operated with a 2-stroke engine; of 10 HP (210 cc) and a pump that reaches a pressure of 400 PSI and a maximum flow rate of 379 liters per minute. This pump is designed specifically for fighting forest fires: pump four-stages and compatible with the use of different types of foams.