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Wick Fire Pack

Kit consisting of a backpack tank, portable pump, and hoses with nozzle, designed for forest fire attack operations.

USE AND WORKING TECHNIQUES

- Can be used through two work techniques that allow deployment by a single operator:
- In a pump relay operation, from a Rapid Attack Unit mounted on a pickup or another vehicle used in suppression with hose lines, connecting to the suction of the Wick 100M pump. This increases pressure and extends the effective water reach.
- When water sources are generally inaccessible by vehicle (such as streams, rivers, irrigation canals, water bodies, or reservoirs like panel, folding, collapsible, or self-supporting tanks), the pump delivers water through the hose lengths included in the kit. These operations are supported by the Wick 100M or Wick 375 pumps.



COMPONENTS

HOSES:

Mercedes Textiles hoses, compared to their competitors, have up to 60% less pressure loss per section. As a result of their manufacturing process, they ensure good flow and pressure, making the pumps more efficient.



One section of synthetic self-wetting forest hose, Mercedes Textiles brand, Firebreak II model, 1" by 30 m with quick coupling. Burst Pressure: 900 PSI.



Two sections of dry forest hose, Mercedes brand, Forest Guard 1.5" model, 30 m each with quick coupling. Burst Pressure: 1000 PSI.



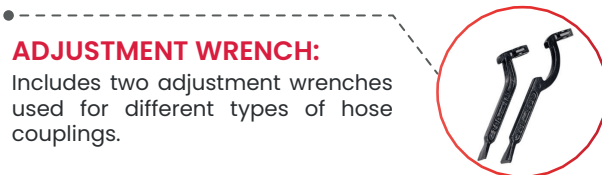
HOSE TRANSPORT BAG:

Manufactured in canvas material, with a front opening that allows hose unloading one by one without removing the backpack. It also allows carrying coiled hoses, clothing, food, drinks, helmets, or other accessories.



WICK 375 PUMP:

4-STAGE HIGH-PERFORMANCE PUMP, operated by a 2-stroke engine; 10 HP (210 cc) engine and pump reaching 400 PSI pressure and a maximum flow of 379 liters per minute. This pump is specifically designed for fighting forest fires: four-stage pump compatible with foam use.



ADJUSTMENT WRENCH:

Includes two adjustment wrenches used for different types of hose couplings.



INFOREST NOZZLE 309:

INFOREST nozzle model 309, 1" (25 mm), made of anodized aluminum. Simple and resistant to temperature changes and impacts. Features adjustable flow, with jet or fog mode via a rotating tip. Flow rate: 37-115 liters per minute.

FORESTRY RIGID PACK:

Its ergonomic design, inspired by high-performance military backpacks, provides the necessary comfort for transporting heavy equipment over long periods.

Its fully aluminum structure offers an excellent strength-to-weight ratio. Its longitudinal design provides rigidity and ensures resistance to twisting and rotational efforts. Structural reinforcements offer stability and load capacity without collapse risks.

It also features a wide contact-surface harness that distributes weight better, preventing back injuries and premature fatigue. The harness is built with high-quality materials that reduce contact stress after long workdays, and the fabrics used are certified under NFPA 701 fire-resistance testing.



WICK 100M PUMP:

ULTRALIGHT AND HIGH-PERFORMANCE PUMP with a weight of 8.4 kg and powered by a 2-stage, 2.4 CV / 1.8 kW (47 cc) engine delivering a maximum pressure of 100 PSI and a maximum flow of 333 liters per minute. This pump is specifically designed for forest firefighting: single-stage pump compatible with foam use.

It includes an integrated fuel tank providing 40 minutes of runtime, with the possibility of adding an auxiliary tank to extend autonomy to 24 hours. The pump can operate in any position or inclination and features 1.5" (38 mm) suction and discharge.

Equipped with a clutch system that engages the pump when accelerating but disengages it at idle, saving water—a generally scarce resource in field operations.

