

Multi-Purpose Medium Fire Fighting Truck

Model: MRSP



The Multi-Purpose medium Fire Fighting Truck can be used to extinguish different types of fires. The truck is equipped with a fire pump, portable pump, water, foam and dry powder tanks, a water monitor, hose reels and cabinets on the sides. The truck is suitable for working in ports, residential and industrial areas, airports, gas and power stations. The above mentioned is mounted on Ford chassis. It is designed according to the American NFPA standards..

- Power up to 300 HP diesel , water-cooled .
- Extra cooling for the radiator from the fire fighting pump.
- Single cab , payload up to 8 tons.
- galvanized steel or stainless steel Water tank up to 2250 m³.
- Water wave inhibitors to break the inertia forces of moving water.
- Lowest possible dimensions for the vehicle.
- Stainless steel Foam tank up to 225 liters.
- galvanized steel Powder Tank with capacity 750 Kg of dry powder.
- Hale pump up to 1890 lit/min at 10 bar.
- The pump is suitable for all types of fresh and salt water.
- Pump protection speed, pressure and heat.
- 2 hose reels 50 m. 1" .
- Water and foam monitor discharge up to 1600 lit/min., distance up to 80 m.
- Cabinets with aluminum sliding doors.

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- **The Pump:** a product of Hale-Godiva that specialized in fire fighting pumps 100 years ago. The pump has a discharge capacity up to 1890 lit\min at 10 bar. The impeller is manufactured from phosphor bronze, the shaft from stainless steel. The pump has outlets for the hoses, the water monitor and the reels; outlet for water tank feed, foam inlet intake. The two inlet openings have diameters of 4" and 2.5" .
- **The priming unit:** a product of Hale company. Works on the vehicle's electricity. Capable of priming water from a depth of 24' in 30 sec. The unit is easy to assemble and maintain.
- **Portable pump:** pump from hale company and operates from separate engine (v.w).
The pump has a discharge capacity up to 1600 lit\min at 7 bar. The impeller is manufactured from phosphor bronze, the shaft from stainless steel. The pump has outlets for delivery hoses and its engine is 4 stroke , gasoline and air cooled ,
- **Water tank:** made out of galvanized steel up to 2250 m³ with Water wave inhibitors to break the inertia forces on applying the brakes or severe turning. Internal and external reinforcement webs. The top of the tank can be completely removed for cleaning and annual maintenance works. A 50 cm manhole for filling and regular inspection. Inlet for filling the tank from the pump, overflow outlet, ventilation outlet, lower outlet for feeding the pump from the tank, drainage outlet, level indicator for the water level inside the tank, sieve on the inlet line to the pump to prevent dirt from reaching the pump. Manufactured according to international standards.
- **Foam tank:** stainless steel tank capacity of 225 liters of concentrated foam with wave inhibitors and reinforcement webs, level indicator to show the fluid level inside the tank. Inlets and outlets for filling and drainage. Foam mixing system around the pump, RTP to insure proper mixing of the foam inside the pump, then it is pumped out through all the outlets. Mixing ratio from 1% to 10%.
- **Powder Tank:** manufactured from steel suitable for high pressure resistance with capacity 750 Kg of dry powder (multiple powder tanks can be used). The system includes nitrogen cylinders for pushing the powder and also for cleaning after use. The output of the powder cylinder is connected to the two hose reels on both sides of the vehicle as well as an optional power monitor. The control panel is complete with the gauges, pressure dials, powder nozzles and safety valves along with all the needed equipment to operate the system according to international standards.
- **Reels:** 2 hoses of diameter 1". Length of the hose is 50 meters , located on the sides of the pump. The hoses are fully equipped with the variable nozzle (perpendicular, foggy, spray, foam).
- **Cabinets:** identical galvanized steel cabinets on the sides of the vehicle, equipped with sliding doors, shelves, space to store and fasten needed equipment, also lights at opening the doors.
- **Water monitor:** water monitor for water and foam, water discharge rate of 1600 Liter per minute at 7 bars . 8000 Liter per minute of protein foam at 7 bar and 19000 Liter per minute of artificial foam at 7 bar. the monitor Performance are Water up to 50 m horizontal distance ,Fog up to 20 m horizontal distance , Protein foam at 45m horizontal distance and Fan foam at 15m horizontal distance
- The water monitor can move horizontally 360°, vertically from -15° to +75°, the discharge rate can be controlled via a speed regulator located in the cabin manually .
- **Control panel:** equipped with all the suction and drainage pressure gauges, working hour meter, engine speed regulator, as well as the required readings for operating and a handle for the priming unit.
- **Sound and light alarm:** 2 red flashers and a revolving siren, a full loud speaker with the horn and microphone.
- **Lights:** lights located in the corners and front of the vehicle, pump and control panel.
- **Extra cooling system:** extra cooling for the radiator using pressured water from the fire pump without mixing, this guarantees longer working hours for the engine without an increase in temperature especially in hot climates and close to flames.
- **Attachments dual treatments:** made from galvanized steel, which is coated and painted from the outside to ensure no effect due to the water exposure.
- **Modifications and upgrades:** these are done according to the circumstances and the customer requirements according to the international standard specifications.

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