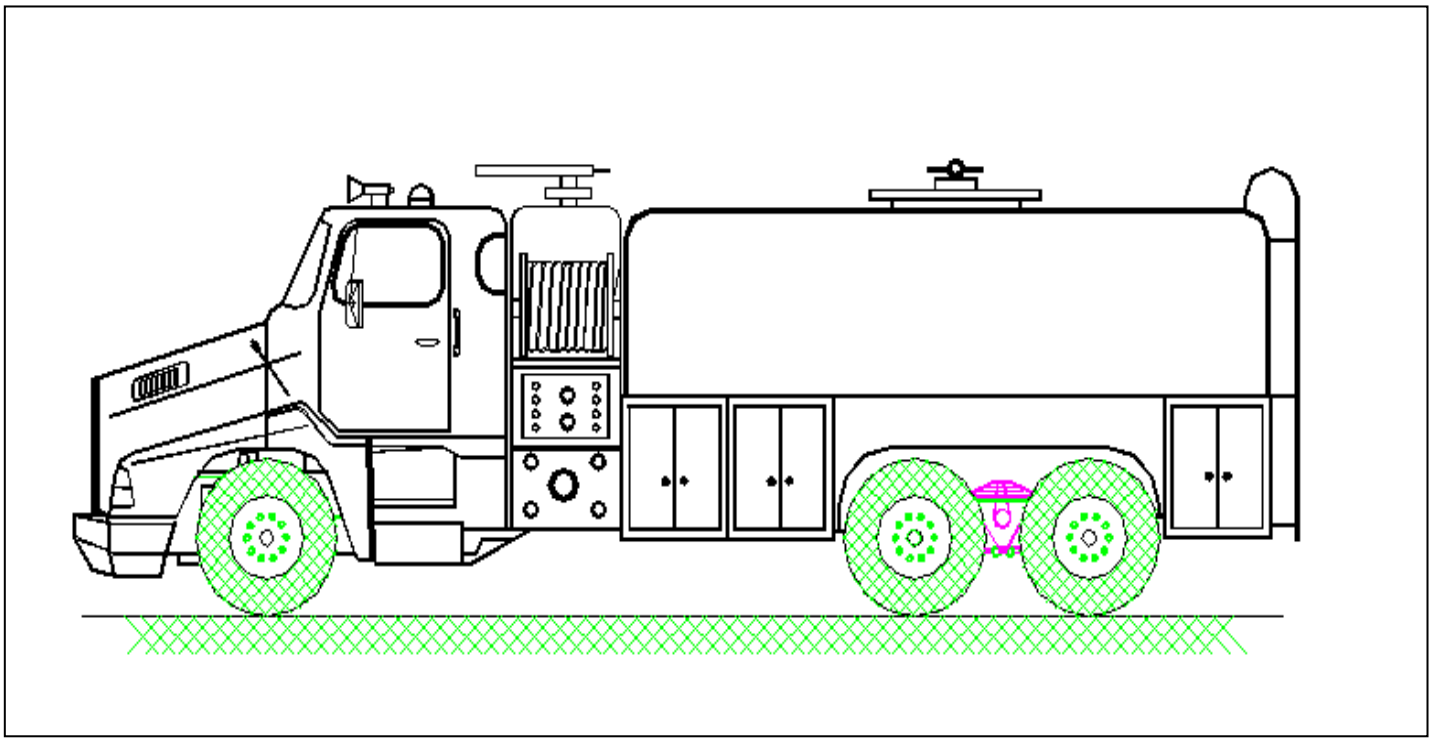
Giant Fire Fighting Tank **Model Giant 20QV**



A giant fire fighting truck: **20 tons of water using a pump with capacity up to 2000 G\min**. The truck can be used alone or in parallel with a light truck to create a complete fire-fighting department. The truck is equivalent to 7 medium fire fighting trucks and can be considered the best economical investment for areas where water is rare in the desert. The truck can be mounted on Volvo, Mac and Mercedes chassis or equivalent.

- Power up to 400 HP.
- Extra cooling for the radiator from the fire fighting pump.
- Chassis payload up to 24 tons
- Chassis 6X4, minimum possible length.
- Possibility of double cabin with extra price
- Water tank up to 20 m^3 made of galvanized steel.
- Space for 4 standing persons on the pump platform.
- Upper manhole for filling and inspection.
- Water wave inhibitors to break the inertia forces on applying the brakes or severe turning.
- A water level indicator with an over flow outlet.
- Stainless steel foam tank 1m^3 capacity with a refill hole.
- A level indicator with an over flow outlet.
- Sound and light alarm and a siren.
- American midship double or single stage Hale pump 2000 G\min at 10 bar
- The pump is suitable for all types of fresh and salt water.
- Priming unit from 24 feet in 30 seconds.
- 6 outlets; 2.5 “
- 2 Inlets one on each side 4”, 5” and 6”
- Pump protection from speed pressure and heat with extra price.
- 2 hose reels 30 m. ¾” for primary insertion.
- Foam around the pump RTP from 1% to 10%.
- Water and foam monitor discharge up to 2000 l\min., distance up to 80 m.
- Cabinets with hinged doors on the vehicle sides.
- a lot of other additional items for first aid, fire fighting and rescue equipment.
- Lighting around the vehicle, the pump and the control panel.

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- The Pump: a product of Hale-Godiva that specialized in fire fighting pumps 90 years ago. The pump has a discharge capacity of 2000 G\min at 10 bar. The impellers are manufactured from phosphor bronze, the shaft from stainless steel. The pump has 11 outlets, inlet diameter of 5" with an adapter of diameter 4" on each side of the vehicle.
- 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.
- Water tank: made out of galvanized steel up to 20 m^3 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 (optional). 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 with capacity of 1m^3 of concentrated foam, also 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%.
- Reels: 2 hose reels of diameter ¾" or 1". Length of the hose is 30 meters (or upon demand), located on the sides of the pump. The reels are complete and fully equipped with the variable ejector (perpendicular, foggy, spray, foam).
- Cabinets: 3 cabinets on the left and one on the right, made out of galvanized steel, they are equipped with hinged doors, shelves, space to store and fasten needed equipment, also lights at opening the doors (optional).
- Water monitor: water monitor for water and foam, water discharge rate of 2000 lit\min at 8 bar, foam discharge rate up to 8000 lit\min at 5 to 7 bar. The water monitor can move horizontally 360^o , vertically from –40^o to +90^o, the discharge rate can be controlled via a speed regulator which is either manual or electrical (optional).
- Control panel: equipped with all the suction and discharge 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, front and rear 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.
- Suction and drainage openings: water suction from the tank, 4 2.5 openings for drainage hoses on the sides of the vehicle, one for the monitor, 2 for the hose reels, one for the tank refill and one for feeding the foam system.
Compatibility between the speed of the engine and that of the pump, this way full utilization of the pump can be achieved at the economical revolution speed of the engine, this guarantees the maximum length of working time without causing engine fatigue.
- 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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