



VIJAY FIRE VEHICLES AND PUMPS LTD.
The power behind the fighter

WATER TENDER



VIJAY GROUP

Vijay Group established in 1959 is a leading and reputed business Group in the Fire Industry in India, which specializes in a host of Safety, Security and Automation Systems catering to its client's requirements/specifications.

VIJAY FIRE VEHICLES AND PUMPS LTD.

We are one of the leading manufacturers of Fire Vehicles, Specialized Vehicles, Pumps, DCP Skids, Nitrogen Quads and other allied equipments. We are also pleased to introduce a range of Municipal Vehicles.

CHASSIS

The specification and performance of the chassis selected and used for Water Tender will be as per chassis manufacturer's specification, from Tata / Ashok Leyland, Volvo, Man, Mercedes etc.

Water Tender is fabricated so as conform to the following characteristics.

Gross Vehicle Weight : Not less than 8500 kg including crew, water and equipment.

Max speed on level road fully laden : 72 Km / Hr.

Acceleration from standing : 64 Km / Hr. in 55 Seconds

PUMP

Vijay Make Single or Double stage centrifugal pump of minimum 1800 lit / min. at 7 kg / cm² capacity is provided. Pump details are given below :

1. Pump casing : Gun metal
2. Impeller : Leaded tin bronze / Gun metal
3. Impeller ring & Neckring : Gun metal
4. Pump Shaft : Stainless Steel
5. Pump Panel : Mild Steel Sheets

Primer Pump is fitted with reciprocating or exhaust or water ring primer capable of lifting water at least 7 m in not more than 24 seconds.

POWERTAKE OFF

Heavy duty power take off is fitted behind the engine Gear box to drive the pump at the rear. Lever of PTO is fitted in the driver's cabin. It may be indigenous or Web Star type as per requirement.

COOLING SYSTEM

Indirect cooling system of open circuit type consisting of special heat exchanger is provided on the vehicle to enable full power output to be maintained during pumping duty without overheating and hot water is discharged to waste.

WATERTANK AND PIPEWORK

Water tank of suitable capacity is fitted on the chassis on heavy bearers. The tank is fabricated out of 3/5 mm thick MS plates and mounted immediately behind the cab so as to allow full contents to flow to the pump. The tank is of welded construction and is provided with baffle plates. The tank is coated internally with anti-corrosive paint.

The tank is connected with pump and hose reel and control valves are provided to permit the following operations.

- a) Hydrant to Tank
- b) Hydrant to Reel
- c) Tank to Pump to Reel
- d) Hydrant to pump to reel
- e) Off

FIRST AID HOSE REEL

One hose reel fitted with 60 meters of 20 mm bore hose and a shut-of nozzle is provided on the appliance in an accessible position and is worked through the pump.

BODYWORK AND STOWAGE

Driver's cab is closed type with double compartment without partition and provides accommodation for seven men i.e. Officer and driver in front two seats and a crew of five firemen on the rear seat. The driver and Officer have independent seats. The driver's seat is adjustable. Rear compartment has one fixed seat for crew members. All seats have foam cushions and are upholstered with rexine. Doors are fitted with safety glasses and winding type regulators. One roof light is provided in the compartment.

All lockers on both sides of the body have doors suitably hinged and locking devices are provided for the various equipments. Main equipment lockers are provided with lights through door switches with indication on driver's cabin.

CONTROL PANEL

- a) Throttle Control
- b) Pressure Gauge
- c) Compound Gauge
- d) Primer Control
- e) Cooling Water control
- f) Delivery valves
- g) Suction mouth
- h) Pump to hose reel Control
- i) Tank to Pump Control

LADDER GALLOWS

Gallows to carry 10.5 meter extension ladders are provided on the appliance.

ACCESSORIES

Following accessories are fitted / provided on the appliance.

- a) Hand Operated fire bell - 1 No.
- b) Head lamps (supplied with chassis)
- c) Fog lamp - 1 Set
- d) Reversing lights - 1 Set
- e) Twin Amber Blinker Lights - 1 Set
- f) Blinker type trafficators - 1 Set (supplied with chassis)
- g) Windscreen wipers (supplied with chassis)
- h) Spot light or search light - 1 No.
- l) Revolving Light - 1 No.
- j) Siren 12V having ½ mile range - 1

Finish

The appliance is painted in P. O. RED with service letterings to choice, polyurethane is optional.

Office: Plot No.35, Chandivali, Off. Sakivihar Road, Mumbai-400 072. INDIA

[T] 022-28471246 [F] 022-08471248 [E] sales@vijayvehicles.in [W] www.vijayvehicles.in