

## TECHNICAL DESCRIPTION

**SUBJECT:** Tank 20.000l capacity for fuel transportation, with pumping unit and meter unit installed on **IVECO T-way 6x4 3800 wb**

Double-D section tank, 3 compartments 6800+6500+6800 total capacity 20.000l approx. (+expansion volume), constructed entirely in steel sheet S275, 4mm thick both for the shells as for the dished heads and with dimensions suitable to the truck chassis supplied.

**The tank is constructed and mounted as follows:**

- steel shells welded together and to the external dished heads
- internal dividing walls
- counter-frame suitable for off- roads use and in rough terrains. The flexible connections between vehicle chassis and counter-frame have the function of compensating the torsion in a way to absorb all the stress that runs from the chassis to the tank
- supporting saddles with steel tie rods with springs suitable for fixing the tank to the vehicle chassis.  
Between saddles and tank a rimmed rubber strip is placed to ensure stability and adhesion of the tank.
- n.3 manhole with cover diam. 500 complete with inlet and breathing valve and containing basin in case of liquid pouring out from the manhole
- n.3 graduated level gauge
- n.3 bottom valve with pneumatic control for loading and unloading of each compartment
- n.1 access ladder to manholes with safety rail
- n.1 fire extinguishers with 9 kg of chemical powder in special holders
- n.2 pieces of flexible hoses with quick connections on the ends placed in special lockable steel carriers.
- Equipotential connections with copper plaits between tank and vehicle chassis, set of signs for the transportation of inflammable fluids.
- n.1 lockable case for containing vehicle standard equipment
- spare wheel holder
- rear mud guards
- platform on the truck rear bumper for access to the pumping unit
- reflecting strips on the tank sides and the pumping unit box
- Painting in one Ral standard colour of customer choosing.

## **PUMPING UNIT**

Pumping unit placed in a suitable stainless steel box, positioned on the rear side of the vehicle, composed of:

Positive displacement pump for fuel, 500 l/1' capacity, driven by the truck PTO through a suitable hydraulic system.

Suitable piping, gate valves and connections allow the compartments loading and unloading

Litre counter with a flow rate of 550 l/1', complete with filter, degasser, aircheck valve, with positive displacement head having partial measuring at 5 resettable digits, and total measuring with 7 non resettable digits.

Manual winding hose reel with 20 m of 1"½ hose and delivery gun.