

Ravasini

TECHNICAL DESCRIPTION 219086REV.1- 002E

SUBJECT: Tank 20.000l capacity for drinking water transportation, complete with loading and unloading unit with medium pressure pump, front and rear spray bars, mounted on MAN TGS 33.360 6x4 BBS-WW wheelbase 3900+1400

The equipment is composed of:

One compartment tank, Double-D section, geometric capacity 20.000l, made in steel sheet S275JR, 4 mm thick both for the shell and the dished heads, with suitable dimensions for the truck chassis

The tank is built and installed as follows:

- shells welded together and to the dished heads
- internal anti-sloshing baffles
- supporting saddles with steel tie rods suitable for fitting the tank onto the chassis. A rimmed rubber stripe is placed between saddle and tank to ensure the tank stability
- n.1 manhole with cover, complete with loading port and breathing valve
- n.1 level indicator
- n.1 overflow pipe
- n.1 access ladder to manhole and platform
- n.2 pieces of flexible hoses with quick connections on the ends placed in special lockable stainless steel carriers
- n.1 lockable metallic case for containing vehicle different materials
- Spare wheel holder rear cab mounted
- Mud guards for rear wheels

Tank internal treatment with epoxy resins suitable for drinkable water transportation

External finishing in the colour requested.

PUMPING UNIT

Supply and installation of pumping system for loading and unloading with self-priming centrifugal pump with stainless steel impeller, **medium pressure**, having the following main features:

- | | | | |
|-------------------------|------|-----|-----|
| - max. capacity lit/min | 1200 | 800 | 400 |
| - max. head m. | 40 | 45 | 50 |

The pump is operated by the truck engine through a properly dimensioned hydraulic system, activated by a PTO installed on the truck gear box. The PTO is pneumatically controlled from the driver's cab.

The pump is connected to the tank by means of stainless steel piping, gate valves and connections allow the tank loading and unloading operations.

DRINKING WATER DELIVERY

- n.1 hose reel in stainless steel, with automatic winding, having 20 m of hose 1" and a shut off valve
- n.1 box with taps for drinking water delivery

SPRINKLING UNIT: FRONT AND REAR SPRAY BARS

Sprinklers with flat spraying nozzles mounted on front and rear end of the vehicle. The bars function separately or together in the same time

The operation of the water spraying system is controlled from the driver's cab through pneumatically operated valves.

functioning with one bar at a time:

spray width of rear bar: 10 m max.

spray width of front bar: 9 m max.

functioning with two bars on the same time:

spray width of rear bar: 9 m max.

spray width of front bar: 8 m max.