

## TECHNICAL SPECIFICATION

Lindner & Fischer                      TANK BODY for the transport of potable water

TYPE: TA 280 SW

Volume:              approx. 28 000 ltr incl. expansion

### **Superstructure**

The “*Special L&F Low-Torsion body mounting system*” for tank bodies is recommendable due to their strongness, torsion-resistant design, in particular for “Off-Road” operation under rough cross-country conditions.

The elastic connection between the truck chassis and the sub-frame provides a torsion-absorbing function.

This arrangement absorbs any stresses passing from chassis to tank.

The sub-frame is mounted to the truck frame in a way to ensure equal load distribution.

### **Tank**

Tank shape:                      Elliptical 28 000 ltr incl. expansion

Tank compartments:              One (1)

Manufactured of high-grade steel –S235JRG2-, electrically welded throughout with accurately finished welding seams. Thickness for shell and heads min. 4 mm. Dished bulkheads on both sides and appropriate nos. of splash walls.

Level indicator for measure the water level at the rear of tank

### **Inner-lining**

Special inner lining for the transport of drinking-water, according. to EU Resolution AP (96)5,

### **Dome-pan**

Overflow protection welded along the tank with drain pipe and shutoff cock.

The dome pan is designed as an over-roll protection in order to protect the dome armatures.

### **Dome armatures per compartment**

Basic equipment and installations for each tank-compartment:

One (1) dome cover                      NW 500

One (1) ventilation valve              NW 80

**Walkway**

Open mesh walkway on the right-hand side of the manhole cover, with rear mounted foldable access ladder.

One (1) collapsible handrail made of aluminum, connected to foldable access ladder operated manually, fixed as safety barrier, according UVV regulation along the dome-pan.

**Discharge fittings per compartment**

At the lowest point of the tank, one (1) discharge pipe DN 80 leads to the right-hand side of the vehicle, ending with shut-off valve with 3" coupling and dust cap.

**Pump**

One (1) self-sucking pump, installed at the vehicle's chassis, hydraulically driven by PTO of truck engine and can be operated pneumatically from the driver's cabin. The suction pipe is equipped with a suction filter. Suction and delivery connections are provided with hose coupling and cab.

Operation of spray-bar and pump via operation panel inside cabin.

Hydraulic manifold with pressure gauge.

Oil-cooler mounted with electric fan

Pump capacity: approx. 800 ltr./min at 3bar

**Spraybar front and rear**

Rear mounted spray bar with two (2) special fan-nozzles (frog-type) pressure working for operation with pump.

Front mounted two (2) special fan-nozzles (frog-type) pressure working for operation with pump.

Adjustable spraying width with pump from approx. 10 to 12 mtr.

Spraying nozzle can be turned around by 180°

Capacity: approx. 200 ltr./min each

Front and rear spray-nozzles can be operated together or separately.

Operation out of driver's cab.

At the bottom of each spray-nozzle, a ½" discharge shut-off valve to drain-off water from the spray-nozzles

**Hose reel**

One (1) hose reel, spring loaded, with 20m hose x 1" and manual discharge nozzle, mounted at appropriate position

**Delivery options**

- discharge by gravity via 3" Cam-lock coupling
- discharge with pump via 3" Cam-lock coupling
- discharge with pump via rear spray-bar and front spray-nozzles
- discharge with pump via hose-reel
- discharge by gravity via 1" water-tap
- self-filling with pump
- filling from top

**Hose and hose-carrier**

Two (2) lockable, galvanised and painted hose tubes, one (1) on each side of the tank with two (2) hoses

Hose type: NW 80 with 3" Cam-lock coupling

Hose length: approx. 5,00m each

**Standard accessories**

One (1) spare wheel carrier with winch mounted on chassis

PVC mud-guards with rear mounted mud-flaps

One (1) lockable tool box mounted on chassis

Yellow reflective strips on rear tank shape and along both sides of tank and cabin

Red/white signal marking at rear of chassis

**Paintwork and finishing**

All steel parts are sand-blasted and prime-coated

Tank body painted in one (1) RAL colour

Tank inside: Epoxy inner-lining for potable water

Substructure, spare-wheel carriers etc painted in chassis colour

**Acceptance test**

Leakage testing of tank 0,35 bar

Functional test

**Documentation**

One (1) spare part list

One (1) operating manual

All instruction plaques, lists, manuals and signs in English/French