

Lindner & Fischer Tank Body for the transport of fuel

Type: TA 70 SD

Volume approx.: 7.000 ltr +3% expansion

Superstructure

The "*Special Low-Torsion L&F 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 subframe 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.

Otherwise mounted according to truck supplier's "Assembling Instruction".

Tank support

The tank itself is supported in tank saddles which are bolted on the reinforced longitudinal frame members with heavy duty rubber mountings in front.

Tank

Tank shape: Elliptical 7 000 ltr. +3% expansion

Tank compartments: One (1)

Manufactured of thick high-grade steel –S235JRG2-, thickness 4 mm electrically welded throughout with accurately finished welding seams. Dished bulkheads on both sides and appropriate nos. of splash walls. The splash walls are mounted not less than 900 mm and not more than 1750 mm between each other according ADR.

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.

Walkway

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

Top fittings per compartment

One (1) 500 mm dia. manhole cover with 250 mm dia. hinged lid, complete with one (1) dipstick, increments; 500 / 500 ltr.

Flame proofed safety vent valve and pneumatic operated tipping valve DN 65.

Discharge fittings per compartment

At the lowest point of each compartment one (1) pneumatic bottom valve DN 80 with filling/discharge pipe DN 80, mechanical valve and 2½" Cam-lock coupler with dust cap.

One (1) additional discharge pipe DN 80 leading to the left-hand side with mechanical valve and 2½" Cam-lock coupler with 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 drivers cabin. The suction pipe is equipped with a suction filter. Suction and delivery connections are provided with hose coupling and cab.

Oil-cooler mounted with electric fan.

Hydraulic manifold with pressure gauge for operation of fuel-pump

Pump capacity.: approx. 500 ltr./min

Metering system

On the right side of the vehicle in a cabinet the metering system 2" is mounted, consisting of:

Gas separator, meter rated for a flow of 35 - 375 ltr. / min, via hose reel

4-digit resettable register

8-digit non-resettable totalizer.

Hose reel

One (1) hose reel hand operated with 16 mtr. hose DN 32 and fuel-nozzle, type ZVA25 mounted next to armature box

Armature box

One (1) on right hand side mounted, with discharge outlets, 2 ½" Cam-lock, pneumatic operations, metering system and pump

One (1) LED light is mounted inside which is operated by master-switch

Two (2) discharge valves mounted on lowest position of armature box to drain-off fuel-spillage.

A pneumatic air regulator and lubricator is mounted inside with all necessary valves, adjustments and filling port.

Delivery options

- discharge by gravity, via 2 ½" Cam-lock, unmeasured, left-hand side
- discharge by gravity, via 2 ½" Cam-lock, unmeasured, right-hand side
- discharge with pump, via 2 ½" Cam-lock, measured, right-hand side
- discharge with pump, measured via hose reel, right-hand side
- self-filling with own pump, right-hand side
- filling from top

Hose and hose-carrier

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

Hose type: NW 65 with 2 ½" Cam-lock coupling

Hose length: approx. 3,00 m each

Standard accessories

Wheel chokes (provided by TRUCK supplier) mounted with brackets

One (1) spare wheel carrier with winch mounted behind cabin

One (1) fire extinguisher, 6 kg each

PVC mudguards with mud-flaps at the rear

One (1) lockable PVC tool-box mounted on chassis frame

Special accessories

- Installation of 12 Volt SAE J560 pin connector on rear cross-member
- Installation of 24 Volt NATO 12-pin connector for trailer electrical connection
- Two (2) front and two (2) rear mounted hooks/eyes on front and rear bumper
- One (1) pintle hook mounted on rear cross-member, with inner Ø of 31,8 – 41,1mm
- Two (2) 20ltr jerry-cans mounted on chassis frame, marked with “For diesel fuel”
- Two (2) 20ltr jerry-cans mounted on chassis frame, marked with “For water only”
- Battery cut-off switch

Paintwork and finishing

All steel parts are sand-blasted and prime-coated.

Tank body painted in one RAL colour.

Substructure, spare-wheel carrier 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.