

Lindner & Fischer

TANK BODY WATER with fire-fighting pump

TYP: TA 100 VA/W

Volume: approx. 10 000 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. 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 10 000ltr

Tank compartments: One (1)

Manufactured of high-grade stainless steel 1.4301, electrically welded throughout with accurately finished welding seams. Thickness not less than 4 mm for the shell for heads. Dished bulkheads on both sides and appropriate number of splash walls. Body, pipes, valves and all parts which are in contact with water are made of stainless-steel type 1.4301.

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

A sump is mounted on the lowest part of the tank with discharge hose and shut-off valve

Dome-pan

Overflow protection welded along the manhole with drain pipe and shutoff cock at the rear and front.

Walkway

Open mesh walkway on the right-hand side of the manhole cover.

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

Dome armatures per compartment

Basic equipment and installations for each tank-compartment:

One (1) dome cover NW 500

One (1) ventilation valve NW 80

One (1) additional ventilation head mounted on top of the tank

Discharge fittings per compartment

At the lowest point of the tank, one (1) discharge pipe DN 100 leads to the rear side of the vehicle and connected with the fire-fighting pump ANP4000

Working platform

Working platform made of galvanised steel, mounted behind tank and over the complete fire-fighting pump ANP4000.

A foldable ladder made of galvanised steel, is mounted on the rear right-hand side for easy access to the top of the working platform.

The rear part of the platform can be folded upwards to increase the working area.

In the middle of the working platform, a manual operated spraying monitor is mounted.

Fire-fighting pumping unit with own diesel engine

Pumping set type ANP4000 with diesel engine, mounted on rear part of chassis frame.

Pumping set

Fire fighting pumping set

Frame-mounted

Pump

Fire fighting pump EN 1028, single-stage

Seawater-resistant aluminium-alloy or red brass (type of Bronze)

Pump shaft made of stainless steel

Mechanical seal

Safety unit

Thermal relief

Delivery rate

3 000 - 4 000 l/min at 10 bar and 3,0 m suction height

Priming system

VACUMAT plus, automatic priming system, without pressure

Suction height max. 8,0 m

Oil-free, maintenance free

Drive

Combustion engine with Perkins diesel, water-cooled and 130kW capacity

Fuel tank 100ltr

Suction inlet

T-flange 4" with one (1) connection to 10 000l tank and one (1) inlet for open water

Pressure outlet

Two (2) flanges with 4" STORZ A for pressure hoses

Voltage

24 V DC

Equipment

Integrated operation panel with all gauges and switches and rear left-hand side

Spraying system

A manual operated spraying monitor mounted in the middle of the working platform.

The monitor can be turned around by 360°.

A safety fence is mounted around the monitor.

Spray-nozzle can be adjusted to a jetting and spray nozzle

One (1) fire-fighting rolling hose, length 30m with adjustable fire-fighting spray-nozzle

Delivery options

- discharge by gravity via 4" STORZ A coupling
- discharge with pumping unit via 4" STORZ A coupling
- discharge with pump via manual spray-monitor
- self-filling via 4" STORZ A coupling
- 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 100, with 4", STORZ A coupling

Hose length: approx. as long as tank body

Standard accessories

Wheel chokes mounted with brackets

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

PVC mudguards with rubber mud-flaps

One (1) lockable tool box mounted on chassis

Two (2) working lights are on each side of the tank, to be operated from inside cabin

One (1) suction basket

One (1) set of tools

One (1) first aid kit

Special accessories

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

Additional LED brake, tail and indicator lights mounted on rear upper part of the tank

Paintwork and finishing

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

Tank body painted in one RAL colour.

Substructure, spare-wheel carrier etc. hot-deep galvanised, NOT painted

Acceptance test

Leakage testing of tank 0,35 bar

Functional test