

TECHNICAL SPECIFICATION

TANK BODY

For the transport of potable water (Stainless Steel)

Volume: approx. 22.000 ltr. incl. expansion

High Quality Product

MADE IN GERMANY

100% Custom-made

Tank bodies can be built up to:

- 22.000 ltr. on 3-axles truck chassis
- 30.000 ltr. on 4-axles truck chassis
- 60.000 ltr. executed as tank trailer

Superstructure

The “*Special 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.

Substructure etc. **hot-dip galvanized** (additionally painted on customers request)

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 22 000 ltr incl. expansion
Tank compartments: One (1)

Manufactured of high-grade **stainless steel 1.4301**, electrically welded throughout with accurately finished welding seams. Thickness not less than 5 mm for the shell and 4 mm for heads. Dished bulkheads on both sides and appropriate number of splash walls.

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

Option: Steel tanks with and without coating **epoxy inner lining** are available.

Walkway and hand rail

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

Collapsible hand-rail

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

Operation of handrail next to access ladder.

Dome armatures

Basic equipment and installations for each tank-compartment:

One (1) dome cover NW 500
One (1) ventilation valve NW 80

Discharge

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 STORZ B coupling and dust cap.

Pump made of **stainless steel**

One (1) self-sucking pump installed at the vehicle's chassis, hydraulically driven by PTO of truck engine. PTO 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.

Impeller, housing and shaft made of **stainless steel**

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

Oil-cooler mounted with electric fan

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

Spray Bar rear

Rear mounted spray bar with two (2) special fan-nozzles (frog-type) pressure working, electro-pneumatically. Operation out of driver's cab.

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

Spraying nozzle can be turned around by 360°

Capacity: approx. 400 ltr. / min each (adjustable)

Delivery options

- discharge by gravity via STORZ B coupling
- discharge with pump via STORZ B coupling
- discharge with pump via rear spray-bar
- self-filling with pump
- filling from top

Hose and hose-carrier

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

Hose type: NW 80 with STORZ B coupling

Hose length: approx. as long as tank body

Standard accessories

Wheel chokes (provided by TRUCK supplier) mounted with brackets

PVC mudguards with rubber mud-flaps

One (1) lockable tool box mounted on chassis

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

Paintwork and finishing

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

Tank body painted in one RAL colour

Tank body inside: without treatment

Substructure etc. **hot-dip galvanized** (additionally painted of sub-frame on customers request)

Acceptance test

Leakage testing of tank 0,35 bar

Functional test

Documentation

One (1) spare part list (Paper and USB-Stick)

One (1) operating manual (Paper and USB-Stick)

All instruction plaques, lists, manuals and signs in English language (français sur demande)

Reserve the right to modify or change Specification at any time!

Delivery time (ex works): Start of delivery approx. 10 -14 weeks after receipt of written order confirmation and clarification of all technical and commercial issues and approx. 6-8 weeks after delivery of truck chassis.

Warranty: Starting from date of vehicle taking over, 12 months unconditional warranty on body and welded construction. The warranty is limited to the repair or replacement of broken parts due to construction faults and does not cover damage caused by improper use.

Please do not hesitate to contact us for further information and your special requirements.

All trucks are custom-made.



Tank volume: approx.: 22.000 ltr. incl. expansion



One hose-carrier on each side of the truck. The tank can be mounted on 6x4 and 6x6 truck chassis.



Access ladder and rear mounted spray bar with two special fan-nozzles (frog-type)



One self-sucking pump installed at the vehicle's chassis, hydraulically driven by PTO of truck engine.
Pump made of stainless steel



Some examples of the function of the adjustable spray bar mounted at the rear end of the tank truck



Operation of the spray bar out of driver's cab



Spraying nozzle can be turned around by 360°
Capacity: up to 400 ltr. / min each (adjustable)



Spray bar rear: Adjustable **spraying width** with pump from approx. 10 to 12 mtr.

The stainless steel water tank body can be mounted on truck chassis of the following manufactures:

- Mercedes-Benz
- MAN
- IVECO
- VOLVO
- SCANIA
- RENAULT
- ISUZU
- etc.

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