TECHNICAL SPECIFICATION

TANK BODY
for save transportation of diesel and petrol (gasoline)

Volume: approx. 16.000 ltr. incl. 3% expansion

High Quality Product   MADE IN GERMANY

100% Custom-made

Tank bodies can be built up to:
- 21.000 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 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. The sub-frame is hot-dip galvanized.

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 **16 000 ltr.** incl. 3% expansion
Tank compartments: Four (4) with approx. 4 000 ltr. each

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. One (1) collapsible handrail made of aluminum, operated manually, fixed as safety barrier, according UVV regulation along the dome-pan. Operation of handrail manual, next to 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. For each compartment, an external fuel level gauge is mounted.

Discharge fittings per compartment
At the lowest point of each compartment one (1) pneumatic bottom valve DN 80. For all four (4) compartments together, one (1) filling/discharge pipe DN 80, mechanical valve and 3” Cam-lock coupler with dust cap. At the lowest point of the tank, water drainage trap with drainage cock is mounted.

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.
Pump capacity: approx. 800 ltr./min

Metering system
On the right side of the vehicle in a cabinet the metering system 3” is mounted, consisting of: Gas separator, meter rated for a flow of 75 - 750 ltr. / min. 4-digit resettable register 8-digit non-resettable totalizer
**Hose-reel**
One (1) hose-reel spring loaded with 20 mtr. hose DN38 and manual discharge nozzle is installed inside lockable armature box.
By-pass valve to adjust flow-rate from approx. 75 ltr. / min for small vehicles till max. capacity.
Nozzle adapter for DN19, DN25 and DN32, to be able for filling a wide range of small and medium sized vehicles.

**Armature box**
One (1) on kerb-side a lockable cabinet is mounted, with discharge outlets, pneumatic operations, hose-reel and metering system.

**Delivery options**
- discharge by gravity, via 3” coupling
- discharge with pump, measured via 3” coupling
- discharge with pump, measured via hose-reel
- self-filling with pump
- filling with external pump
- filling from top

**Hose and hose-carrier**
Two (2) hose tubes, both mounted on one (1) side of the tank with two (2) hoses.
Hose type: NW 80 with 3” Cam-lock coupling
Hose length: approx. 5,00m each

**Side-guard**
Lateral anti-cyclist bar, mounted between front axle and first rear axle

**Bonding reel**
Manual rewind reel with 15m of 2mm steel-cable and grounding clip

**Emergency cut-off**
One (1) emergency cut-off, pneumatically operated, fixed outside armature box, to close the bottom valves in case of emergency

**Standard accessories**
Wheel chokes (provided by TRUCK supplier) 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
One (1) earthing piece welded on one (1) site of the tank
Three (3) traffic cones, mounted with bracket on chassis
Two (2) fire extinguishers, 6 kg each
Warning signs according GGVSE/ADR

**Adapters**
One (1) adapter 3” Cam-lock / 3” API
One (1) adapter 3” Cam-lock / 3” GUILLEMIN
One (1) adapter 3” Cam-lock / 3” BS
**ADR bag, consisting of**
One (1) hammer made of copper
Protection glasses
Protection gloves, made of nitrile
Binding material, 5kg
Aerosol can for the eyes
Dustpan with brush
Set of first aid dressing material

**Epoxy inner-lining**
Special epoxy inner-lining for rust protection and for transport of petrol and diesel

**Paintwork and finishing**
All steel parts are sand-blasted and prime-coated.
Tank body outside painted in one RAL colour on customer request
The sub-frame is hot-dip galvanized.

**Acceptance test**
Leakage testing of tank 0,35 bar
Functional test
**ADR certificate**
Material certificate

**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.

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

Delivery time (ex works):
Start of delivery approx. 8 -12 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 up to 21,000 ltr. on 3-axles truck chassis

The tank body can be mounted on 3-axles (6x4 and 6x6) truck chassis of different manufacturers. Mercedes-Benz, MAN, IVECO, VOLVO, SCANIA, RENAULT, ISUZU etc.
Spare wheel carrier with winch mounted on chassis, behind cabin

Lockable armature box, kerb-side mounted
Lockable cabinet with discharge outlets. Pneumatic operations. Metering system.

Hose-reel spring loaded is installed inside lockable protection box.
20 m hose DN 38 and manual discharge nozzles
Rear mounted access ladder.
Open mesh walkway on the right-hand side of the manhole cover and collapsible handrail made of aluminum, operated manually, fixed as safety barrier, according UVV regulation along the dome-pan. Operation of handrail manual, next to access ladder.
Hose and hose-carrier
Two hose tubes, both mounted on one side of the tank with two hoses.

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