

Technical Datasheet

TANK SEMI-TRAILER 45.000 LITER TYP ADR 5 Compartments / 3 Axles

BASIC DATA

Maximum payload	40.500 kg
Empty weight	13.360 kg (+/-)
Overall length	12.960 mm (+/-)
Overall width	2.550 mm (+/-)
Overall height	3.600 mm (+/-) (in horizontal position)
Height of fifth wheel	1.370 mm (+/-)

FUEL TANK

Total capacity	45.000 liters plus 3% air (+/-)
Compartments	5 x 9.000 liters plus 3% air (+/-) With splash walls in each compartment according to the ADR regulation
Tank shape	Oval (elliptical)
For transporting of	Petrol and Diesel
Tank material	Steel 5 mm S235JR (material thickness before processing)
Tank bottom / Splash wall	Steel 5 mm S235JR (material thickness before processing)
Tank mounting	Attached to chassis with 7 brackets with 56 x 16mm screws

Overflow tray firmly welded to the dome with discharge valve at the rear of the chassis. Aluminum anti-slip catwalk along the full length of the dome area and ladder at the end of the tank. For fall protection, the dome has two railings, one of which can be set up from the ground. In addition, a rollover protection is installed which protects the fittings in the event of an overturning.

VALVES AND VENTS

Safety valve (input dome)	05x	20" manhole with 90mbar homologated event According to EN13317
	05x	20" weld in flange with 24 x 8mm screws According to EN13094
Safety valve (outlet bottom)	05x	Pneumatic valve 4" (directly under the tank) With emergency opening according to EN13316

The corresponding pneumatic control unit is installed in the outlet cabinet. Two emergency stop switches are installed at the chassis to close the pneumatic valves in case of an emergency (one on each side of the vehicle).

FRAME

Vehicle longitudinal beams	IPE 400 in steel S235JR
Vehicle cross beams	UNP 200 in steel S235JR
Winch	2-speed BPW landing winch With lifting capacity 24 tons / test load 50 tons
Kingpin	3,5" interchangeable

Semi-trailer rear protection complies with the UEMOA highway code. The rear bumper is designed to limit damage to the semi-trailer's structure in the event of a rear impact.

AXLES

Axles	03x	12 tons reinforced BPW axle
Suspension	03x	14 tons reinforced leaf springs BPW suspension
Tires	12x	315/80R22.5 Continental
Spare wheel	01x	315/80R22.5 Continental (Spare wheel holder for 2 tires)
Mudguards		Heavy duty steel mudguards in 3mm material thickness

All wheel nuts with indicators to indicate loosening bolts as well as overheating. One axle with odometer.

ELECTRICAL SYSTEM / LIGHTING

All electrical cables are securely fastened and adequately protected against mechanical and thermal damage. Distribution boxes are placed in protected locations and secured against water ingress.

Execution electrical system	24 V standard
Plug	16-pin ISO standard plug

4x well visible and according to the standard marked V2A grounding points.

1x grounding cable with clamp and 15m cable protected installed in the outlet cabinet.

As standard, the vehicle has 5 brake lights at the rear of the vehicle, a reversing warning system and an EX-protected lamp in the discharge cabinet.

SIGNAGE

Yellow 55mm high reflective contour marking according to ECE104 on both sides of the vehicle. 50 mm discontinuous red reflective squares around the rear of the tank. ADR-compliant warning signs to identify the hazard and the substance, bolted to the sides and back of the tank.

BRAKE SYSTEM

2 circuit ISO brake system from manufacturer Wabco with ABS and automatic load adjustment.

ACCESSORIES

Outlet hose	1 x 6,6m 3" 16bars with Guillemin coupling
Holder for outlet hose	1 x 7,0m in Steel 3mm
Auxiliary tank on the chassis	1 x 900 liters
Fire extinguisher	2 x 9 kg
Traffic cone	2 x
Wheel chock	2 x
Toolbox	1 x Box 60 liters
ADR Accessories	1 x Set

EXAMINATION

The tank was tested for leaks at 0.35 bar test pressure. All pipes and valves were tested at 5.00 bar test pressure. All valves and flaps were subjected to a functional test.

PAINTWORK

All steel parts are primed twice and painted twice in

RAL9016 (traffic white) on the tank
RAL7043 (traffic grey) on the frame

