

# 3-axle aluminium tank semitrailer with electronic dipsticks



## Product benefits

- Sophisticated design with perfect functionality
- Optimum driving stability thanks to low centre of gravity
- Extremely light and flexible product discharge hoses (3" or 4") suitable for pump or gravity operation
- Highest product purity thanks to optimum drainage based on unique double-wedge construction
- Aluminium or stainless steel chassis
- Hose storage facility integrated in chassis
- Installation of axles from well-known manufacturers such as SAF or BPW
- OPTIONAL: High-set LED light holder with optional integration of reversing camera
- OPTIONAL: Fire extinguisher box with viewing window

## Product details

### TYPE DESIGNATION

## 3-AXLE ALUMINIUM TANK SEMITRAILER, CYLINDRICAL

With electronic dipstick measuring system, for mineral oil transport

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### GENERAL

Vehicle designation acc. to 9.1.1.2 ADR: FL  
Tank code acc. to 4.3.4.1 ADR: LGBF  
Special provisions acc. to 6.8.4 ADR: TE 7, TE 19  
For transporting petrol UN 1203,  
diesel fuel and EL heating oil UN 1202

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### CHASSIS AND ATTACHMENTS

Fifth-wheel plate with 2" kingpin  
GRP chassis frame with integrated hose boxes  
2 support legs, height-adjustable and detachable when laden  
Aluminium box for printer at front right in direction of travel  
Single wheel plastic mudguards with mud flaps and spray-suppression system  
Aluminium underride protection

Axles

Air suspension unit with low-maintenance axles and disc brakes  
3 x 9 t rigid, wheelbase 2 x 1,310 mm

Suspension:

Air suspension with lifting and lowering device.  
Automatic adjustment of driving level from 15 km/h

Tyres

6 x 385/65 R 22.5 160J, manufacturer as per factory specifications  
6 steel wheels, 11.75 x 22.5, 10-hole  
120 mm rim offset

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### BRAKE SYSTEM

Brake system according to EC Directive 71/320 or ECE R13  
Two-line brake  
EBS-E = electronic brake system  
WABCO 2S/2M = one axle sensed  
RSS - stability program  
Spring-loaded parking brake on 2 axles  
Aluminium air tank

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## **TRANSPORT CONTAINER - SELF-SUPPORTING**

Aluminium alloy and wall thickness as per ADR regulations

Double-wedge cylinder format for complete drainage

Gross capacity: approx. 43,500 l

5 chambers, chamber division as per customer specification

Baffles, if techn. required

Earthing pin on left and right

Fittings cabinet

Large, continuous aluminium cabinet welded to container,  
product collection channels on both sides

Parallel cabinet doors, sealing facilities

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## **HOSE STORAGE**

Storage facility for two 3" hoses, each approx. 5,000 mm long in chassis frame

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## **EQUIPMENT**

1 external cable drum with automatic winding mechanism

2 x 6 kg fire extinguishers

2 warning triangles

1 hazard warning flasher with work light and batteries

1 plastic collecting vessel

1 dustpan, galvanised

1 hand brush

1 PVC box with oil binding agent

1 high-visibility vest

1 pair of protective goggles

1 pair of gloves

1 eyewash bottle

1 drain cover

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## **LABELLING**

1 rotary plate (33/1203 or 30/1202) at rear

3 removable hazardous substance labels (flame symbol)

3 removable hazardous substance labels (environmentally hazardous substances)

Rear markings as per ECE standards

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## **ELECTRICAL EQUIPMENT**

2 seven-chamber tail lights in underride protection

LED side marker lights

2 clearance lamps at front

2 contour lights on underride protection  
15-pin socket  
Ex-proof fittings cabinet lights

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## **PAINTWORK**

Priming and spray painting with 2-component acrylic paint for commercial vehicles (standard RAL or truck colour)  
Stone guard at the fittings cabinet front wall.  
Chassis with attachments and transport containers unicoloured as per colour specifications  
Plastic components unpainted  
Powder-coated attachments/installation parts black

Contour markings  
Continuous reflective stripe on left and right, white, in tank length  
All-round at rear, segmented, red

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## **ACCEPTANCE**

Acceptance as per ADR  
Tank documentation  
Type approval  
Calibration

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## **CONTAINER FITTINGS - PER CHAMBER**

1 dome cover, recessed  
1 electro-optical top sensor  
1 tip valve for ventilation  
1 fan pot with flame arrester  
1 electron. dipstick  
1 pneum. bottom valve

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## **DIPSTICK MEASURING SYSTEM**

Base unit for dipstick system  
(Bartec, Sening, DeziData)  
Display on right and left in direction of travel  
Tilt sensor  
DIN A5 label printer in GRP box  
Equipped for data transfer

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## **WEIGHTS**

Gross train weight (perm.): 40 t  
Gross weight (techn.): 39 t

Axle assembly load (techn.): 27 t

Fifth-wheel load (techn.): 12 t

Tare weight, depending on equipment: approx. 5.25 t min.

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## **DIMENSIONS**

Total width: 2,550 mm

Total height: approx. 3,400 mm

Total length: approx. 11,550 mm

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## **PIPING WITH BOTTOM-LOADING**

Filling on left in direction of travel, output on right in direction of travel

Aluminium single outlet lines DN 100 on right in direction of travel with connection couplings

One API filling port per chamber incl. dummy cap on left in direction of travel

Gas return line connected to fan pots

Safety pressure relief/vacuum valve

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## Product impressions



Modern design and maximum vehicle functionality



Hose cabinets integrated into the chassis frame

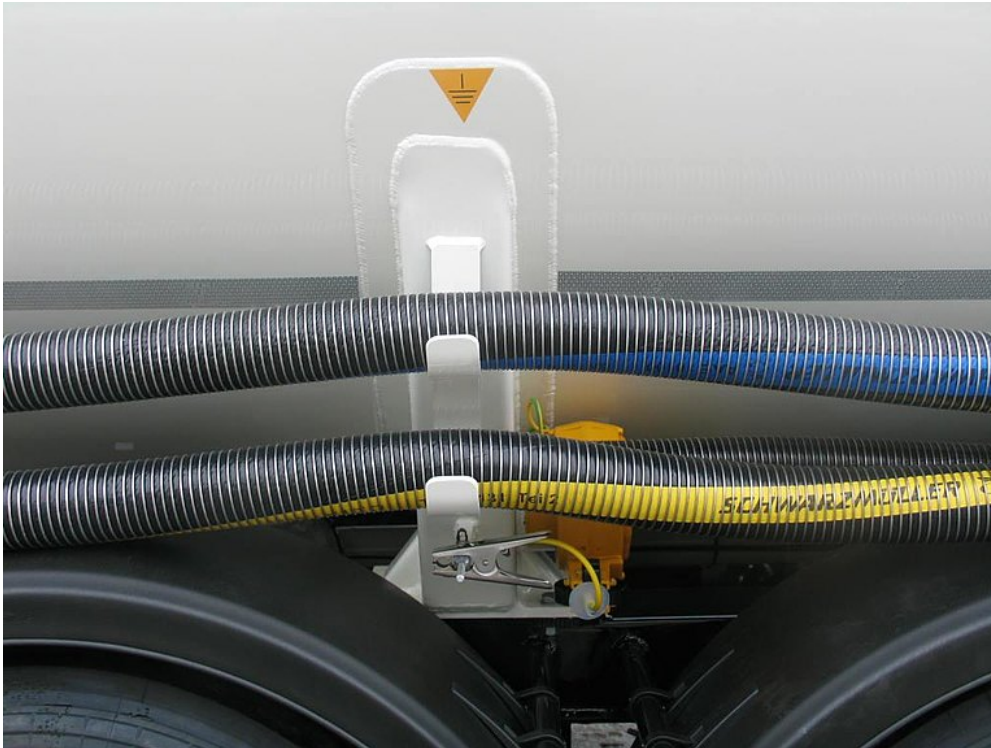




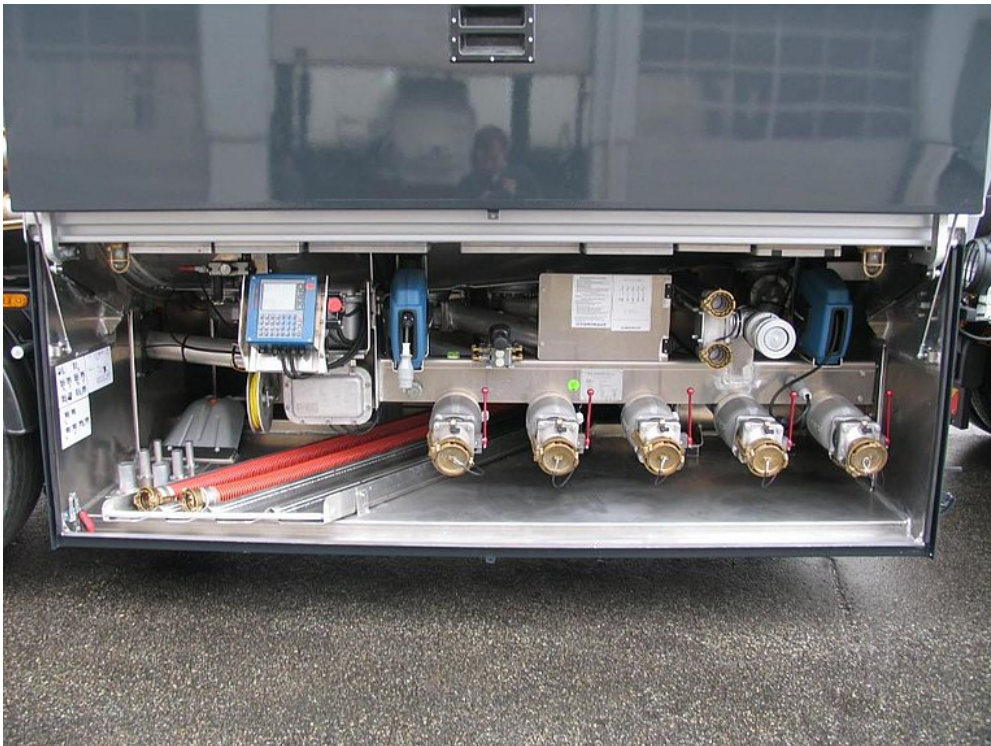
Optimum drainage due to double-wedge construction



Separate printer box for optimum protection against mechanical damage and the weather



Lightweight and flexible product hoses for ideal handling



Structured and clear arrangement of fittings for efficient and fault-free operation





OPTIONAL: High-set LED light holder with optional integration of reversing camera



OPTIONAL: Fire extinguisher box with viewing window

