

# 3-axle aluminium tank semitrailer with pumping and measuring system and/or gravitational measuring system (cylinder)



## 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 pumping and measuring system and/or gravitational 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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### 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. 5.4 t min.

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### DIMENSIONS

Total width: 2,550 mm

Total height: approx. 3,520 mm

Total length: approx. 11,550 mm

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### CHASSIS AND ATTACHMENTS

Fifth-wheel plate with 2" kingpin

Aluminium chassis frame with integrated hose boxes

2 support legs, height-adjustable and detachable when laden

GFK 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

## 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  
Dual-circuit pneumatic braking system  
Braking system make: Wabco  
EBS-E system 2S2M  
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  
4 chambers, chamber division gross approx. 12,750/4,400/7,500/18,850 l  
Baffles, if techn. required  
Overflow pan incl. outlet pipe(s)  
Protection for dome fittings  
Aluminium catwalk in pan with foldable railing  
Aluminium ladder at front  
Earthing pin on left and right

## Fittings cabinet

Large, continuous aluminium cabinet welded to container  
with 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. 4,600 mm long in chassis frame

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## **CONTAINER FITTINGS**

1 dome cover with rapid-fill lid  
1 electro-optical top sensor  
1 tip valve for ventilation  
1 fan pot with flame arrester  
1 pneum. bottom valve

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## **PIPING WITH BOTTOM-LOADING**

Filling on left in direction of travel, output on right in direction of travel  
One drain line DN 100 per bottom valve to distributor on left in direction of travel and connecting lines to pumping and measuring system and/or gravitational measuring system  
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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## **PUMPING AND MEASURING SYSTEM FOR DRY AND WET HOSE SYSTEM (MID)**

Suitable for petrol, diesel oil and EL heating oil  
Hydraulically powered pump with overflow valve  
Pneumatic gas extractor DN 80 with automatic vent and meter DN 80  
Electron. meter with DIN A5 label printer in box  
Aluminium hose reel with hydraulic winding mechanism  
30 m high-pressure hose DN 40  
nozzle ZV 400 with pivoting joint and tap pipe  
Brackets for adapter pieces

## **AND / OR**

## **GRAVITATIONAL MEASURING SYSTEM (MID)**

Suitable for petrol, diesel oil and EL heating oil  
Measuring system for gravity discharge  
Combined gas extractor/meter DN 100  
Electron. meter

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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 five-chamber tail lights in underride protection - partly LED
  - LED side marker lights
  - 2 LED clearance lamps at front
  - 2 LED contour lights on underride protection
  - 15-pin socket
  - ex-proof fittings cabinet light
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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  
Certificate of conformity

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## Product impressions





