

INSULATED CHEMICAL TANKER SEMI TRAILER

Protect Chemistry



 **curious for better.**

 **OKT Trailer**



curious for better.

What curiosity means to us, A better future.

The unique reason that the human “bring into being” is curiosity. Curiosity is the first “set a foot on the moon”. Because curiosity; to realize a better and more beautiful future, ask questions, try to understand, produce innovative solutions, explore and never give up. It always takes us a step further.

Our job is always to move your business “one step forward”. That’s why we’re curious. We recognize the needs of the trailer and superstructure equipment sector “before needs appearance” and produce innovative, user friendly and efficiency based products. We dominate the technologies that can go beyond your expectations. Due to our curiosity, we have changed the habits of the sector with every new project we made. We have broken grounds; but we have never been curious about being ahead only with the numbers.

The quality documents we have obtained being a catalyser that enable us to produce new technologies, make progress and be more curious. We curious not just about our sector, we curious about the whole world. For the nonce we are in 3 continents. We are constantly building strong values and collaborations for all of our stakeholders by producing special solutions for the needs of new geographies day by day.

Curiosity means to us not only innovation, engineering and technology. It means to us more beautiful and profitable day for the future.





■ INSULATED CHEMICAL TANKER SEMI TRAILER

Protect Chemistry

While interiorising innovative and creative solutions tailored to the specific needs of our customers as the basic principle of flexible production concept with our own know-how licenses and created technologies, Insulated Chemical Tanker Semi Trailer that can be filled up from the top and bottom, carry chemical substances in the single or till five compartments in accordance with ADR Class 3-6-8 appropriate to the related tank code and its hierarchy protecting carrying temperature with insulation application, discharged by gravity or pump-driven, can be made of stainless steel material, with the thicknesses conforms to design calculations, in cylindrical cross section and large volume range according to ADR-EN 14025 regulations, the climate and road conditions of the geographical region it serves; **“Protect Chemistry”** precisely while carrying chemical substances and challenges both the roads and years with its technologies and unique body structure while being produced by the longest welding seam technology with minimum number of (T) joints and one-piece plates in the main body structure.



21.000 ~ 46.000 Lt.
Volume Range



1 ~ 5
Number of
Compartments



-20 ~ +150 °C
Design Temperature



4 Bar
Design Pressure



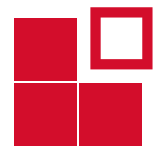
L4BH
Tank Code



Superior Protection

Provide superior protection by keeping the transportation temperature of the product with strong insulation structure in loading, transporting and discharging operations of chemical substances.





Modular Options

Options of special designed alternative volume, number of compartments, discharge systems and equipment; sort out your job.

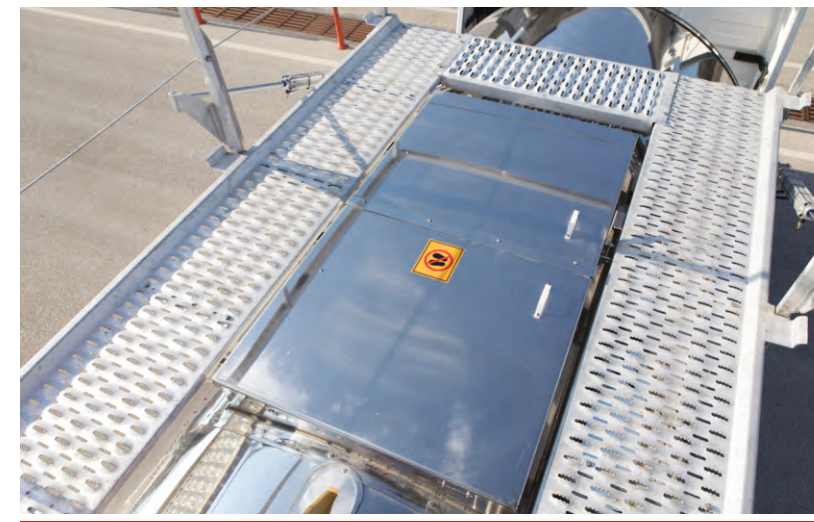


OUTSTANDING FEATURES



Two sides and automatic opening handrail

Provides ease of use, safety and automatically locks the brake system



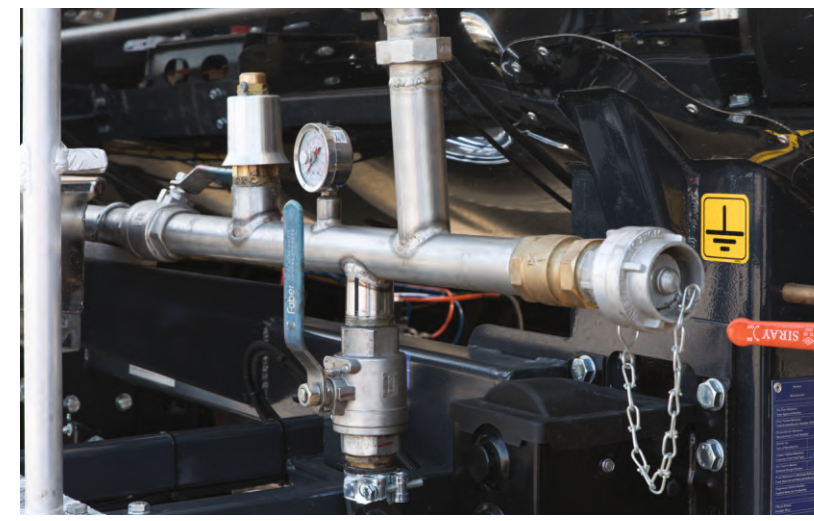
Protective cover

The equipment on the manhole cover is protected against seasonal weather conditions (rain, snow, sun, dust)



Spilltrays type top pool

Protect armatures against possible rollover and impact



Optional Pumping Discharge System

Ergonomic handling with optimized hydromotor, piping and technical equipment provides fast and high flow rate discharge



ADR Certificated Type Approved Body by TSE / Turkey
Provides full and secure supervision by national and international up-to-date legislative compliance and expert team



The longest welding seam technology in weld joints
The least number of (T) joints, high strength, long life, safe, smooth surface and unique body structure



Sloping chassis design
Provides complete discharge without any liquid remaining in the tank body



Germany KBA approved 2007/46/EC Vehicle Type Approval
Covers national and International up-to-date regulatory compliance and 98/91/EC chassis ADR type approval regulation



Seamless high performance robotic welding technology
Minimizes welding faults on the body due to tension and human factors are secures against impact



Use of robotic welding technology in OMEGA® monoblock connection saddles
Increases body strength at chassis joints, reduces tension effect, provides unity of body



Homogeneous paint application with advanced technical equipment
Provides surface gloss in varnish quality



Coloured, POLYAMID air hoses
Prevents complexity on installation cables, provides serviceability





Chemistry: Different

While protecting the inner surface with special passivation method, make its chemistry different.



TECHNICAL SPECIFICATIONS

1. Dimensions		Operating Temperature	: -20°C +50 / 150°C *
Width	: max 2.550 mm	Certification	: ADR - Turkey TSE / Germany KBA (TUV)
Height	: max 3.800 mm *	* The product type and optional equipment can vary depending on your choice.	
Axle Distance	: 1.300 ~ 1.400 mm *		
5 th Wheel Height	: 1.250 ~ 1.350 mm *		
Dead Weight	: 7.800 ~ 9.750 kg *	4. Chassis Equipment:	
2. Capacity		King-Pin	: Conforms to ECE R 55 regulation, type approved 2 ”or 3.5” demountable king pin
		Landing Legs	: Each is double speed, 25 ton dynamic, 50 ton static load capacity trailer landing legs
		Axles	: Axle set with 9-12 tonnes each, air suspension, disc brakes
3. Tank		Rims	: 14,00 or 11,75 x 22,5
Tank Code	: L1,5BN or L4BH *	Tires	: 425 or 385 /65 R 22,5
Tank Class	: Class 3-6-8 *	Brake System	: Conforms to ECE R 13 regulation EBS/ABS brake system
Construction Material Serial	: Stainless Steels *	Electric System	: Conforms to ECE R 105 regulation ADR approved electric system
Transported Materials	: Chemicals specified in the Section 3 of the ADR appropriate to the tank code and hierarchy *	Bumper	: Conforms to ECE R 58 regulation rear bumper

TECHNICAL SPECIFICATIONS

5. Tank Body:

- » Cylindrical cross section design conforms to EN 14025 standard.
- » Dished heads at the front and rear, in accordance with EN 14025 design standard internal baffles fit the selected number of compartments.
- » ISO 3834 Welded manufacturing quality qualification approved.
- » Unique body structure in the tanker manufacturing sector with a smooth surface, with a minimum number of (T) joints, produced by the longest welding seam technology in the cylindrical body structure, seamless, integral plates and their welded joints.
- » Using seamless high-performance robotic welding technology, welding faults on the body due to tension and human factors are minimized and secured against impact
- » Tanks and connections are tested with the method of analysis of the end elements under maximum allowable load to increase the strength of the body and reduce the tension effect at the frame junctions. The robotic welding technology is applied to the OMEGA monoblock connection saddles.
- » The slope in the chassis design allows complete discharge of each compartment of the tank, with no liquid remaining.
- » The cleaning manhole for cleaning inside tank and its each compartment when necessary.
- » Air gap safety against expansion and overflow conforms to EN 15120 standard.

6. Insulation:

- » The tank body is covered with rock wool which protects the product temperature and fluidity for a long time and provides full heat insulation.
- » Insulation applied to the body is wrapped around the circumference to prevent sagging, protects against external factors, sealing with lath and heat resistant rubber, visual aesthetically insulated isolation coating and front and rear isolation dished heads.

7. Heating System:

- » On the inner bottom of the tank, the product fluidity is provided homogeneously with hot water or steam vapour flow through stainless pipes, resistant to working temperature.

8. Loading/Discharge Line:

Loading Line

- » Depending on the driving direction, it is filled through the right-handed or rear couplings from the bottom or the filler opening on the manhole covers from the top.

Discharge Line

- » Meets EN 13094, on the right or rear side according to the driving direction, gravity discharge through the discharge piping line extending from the bottom valves up to the couplings, at such a slope in order not to remain any liquid in the line after discharge.
- » ISO 3834 Welded production quality qualification approved discharge pipes welded to the patent padded.

Equipment

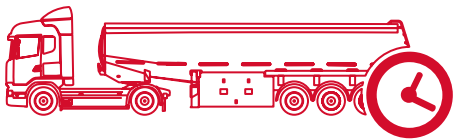
- » Made of stainless material in accordance with the standards filling couplings, suitable for the chemical substance content and preventing the circulation of the transported chemicals.

9. Chassis:

- » Special designed suitable to body design, horizontally and vertically angled, rollover safety monoblock chassis.
- » OMEGA® monoblock connection saddles provide a rigid structure with excellent fit to the chassis mounting slots and increase strength.
- » Tension reduction gaps reduce the tension by distributing the force coming from the road conditions to the running group.
- » Chassis construction parts are manufactured with synergy welding machines by certified welders under the approval of ISO 3834 Welding quality qualification with perfect harmony.

10. Paint:

- » After the in-tank pickling application, bacterial formation and chemical corrosion are prevented by passivation process.
- » At least 2 coats of epoxy primer.
- » "OVEN-DRYING" application on topcoat with 2 coats of acrylic paint.
- » Improved technical equipment ensures homogeneous distribution on each side of the body and surface gloss of varnish paint gloss.



Performance Needs Source

Durable body structure together with superior production technology and premium equipment turns the long lifetime into profit.



GALLERY





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A better future.***



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OKT TRAILER reserves the right to make changes in the products. Technical information is approximate and is intended for standard product application. The measurements may vary depending on the truck brand and model. The subject information is not quoted. If you contact us, you can get more detailed information about the product.



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