



Micansan Tanker Trailer

Since 2000

MANUFACTURER OF PRESSURE VESSELS



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ABOUT US



MICANSAN was established in 2004 with the aim of providing high quality and reliable products to the market by experienced staff in the field of Pressure Vessels, Storage Tanks and Semi Trailer Tanks. In time, by gaining experience in the relevant fields of the sector; It increased its production capacity, product range and market share.

Our company has a great experience in this market and is one of the leading manufacturers of Turkey. Our products are in great demand both in domestic and foreign markets.

Accordingly, the number of our customers and dealers in various countries is increasing year by year. MICANSAN manufactures its products according to the relevant standards of AD-2000 Merkblatt, EN 14025, EN 13445, ASME Section VIII, 2014/68 EU PED and ADR.

All processes of design and production are observed, tested, approved and certificated by the international test institution.

* VISION

Becoming a global actor in the sector which respects the individual and the environment, by providing creative solutions using high technology and first class materials.

* MISSION

To produce reliable and high quality produce and to be an example for the other companies in the sector.



COMPANY VALUES

In line with our mission and vision, meet customer expectations and pleasure, becoming a global actor in the sector by using high standards and advanced systems in production.





- LPG Tanks
- Filling Systems
 - Filling Cooking Gas
 - Filling Auto Gas
- Fuel Tanks
- Ammonia Tanks
- Facility

PRODUCTS & SERVICES



Micansan Tanker Trailer

All of Our Products are Produced in Accordance with International Standards and are Designed in The Most Efficient to Satisfy Expectations and Demands of Our Customers.

The All Production Process are Observed, Tested, Approved and Certificated by the International Test Institutions.



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LPG SEMI TRAILER TRANSPORT TANKS



TECHNICAL SPECIFICATIONS

1. DIMENSIONS

Width: max. 2.550 mm
Height: max. 4.000 mm
Axle Distance: 1.300 ~ 1.400 mm
Wheel Height: 1.250 ~ 1.350 mm
Tare Weight: 8.500 ~ 16.000 kg

2. CAPACITY

Volume: 26 - 45 - 48 - 50 - 55 - 57 - 60 m³

* Non-destructive inspection methods in accordance with standards
(Radiographic test, Penetrant test, Magnetic Particle Test, etc.)

3. TANK

Material: Pressure Vessel Steel

Substance: LPG, Propan, Butan

Certifications: ADR, EN12493, EN14025/2010/35/ EU (TPED),
AD 2000 MERKBLATTER, ASME

4. CHASSIS EQUIPMENT

King-Pin: Comforms 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 or 12 tons each, mechanical or air suspension,
drum or disc brake

Rims & Tires: 14,00 - 11,75 - 9,00 x 22,5 / 425 - 385/65 R 22,5 (Single)
or 31/80 R 22,5 (Double)

Brake System: Comforms to ECE R 13 regulation EBS/ABS brake system



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LPG SEMI TRAILER TRANSPORT TANKS

TECHNICAL SPECIFICATIONS

5. Tank Body:

- » Cylindrical cross section design conforming to EN 12493 - EN 14025 design standards.
- » The pressure loaded body parts according to the EN12493 standard, high temperature steels according to EN 10028-2 standard (P ... GH) or at the fine-grained steels according to 10028-3 standard (P..N or P ... N ...), high strength, special "P" series of pressure vessel material, front and rear 1 each torispherical or ellipsoid dished heads, to inhibit fluid movement in the body and a half full transport (the gross volume of the tank to 20% of 80% of the use) FR to make 12,493 accordance with its design standards, driving direction is positioned perpendicular to the cross-type baffle.
- » ISO 3834 Welded manufacturing quality qualification approved.
- » Plates, bended according to the bending direction are joined by robotic welding technology in the form of longitudinal rings by circumferential welding to obtained a cylindrical body structure conforms to the EN 12493 design standard.
- » The emergency intervention manhole located in the horizontal axis which will provide full discharge in the tank in case of possible rollover.

6. Loading/Discharge Line:

- » The loading/ unloading piping according to EN 12252 standard.
- » Piping fitted to prevent damage due to thermal expansion and shrinkage, mechanical shock and vibration.
- » Closed circuit loading and discharging through ball valves in the armature discharge box.
- » Emergency stop system connected to loading and discharge line.
- » ISO 3834 Welded production quality qualification approved, the patented paddles are welded, loading / discharging line extending from the bottom valves to the loading / discharging valves.

7. Chassis:

- » Chassis Calculated Strength by Finite Element Methods
- » Half "I" cross section chassis, reinforced with cross-members, body saddles connections mounted with bolts to the chassis, flexible against torsion and bending.
- » Chassis construction parts are manufactured in perfect harmony with synergic welding machines by certified welders under the approval of ISO 3834 Welded manufacturing quality qualification.

8. Paint:

- » Before painting sandblasting quality Sa 21/2
- » 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.



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LPG SEMI TRAILER TRANSPORT TANKS



LPG BOBTAIL TANKS



TECHNICAL SPECIFICATIONS

1. DIMENSIONS

Width: max. 2.350 mm
Height: max. 2.350 mm
2 Axles Type: 10 m³ to 17 m³
3 Axles Type: 17 m³ to 23 m³
4 Axles Type: 30 m³ to 34 m³

2. CAPACITY

Volume: 10 m³ to 34 m³

* Non-destructive inspection methods in accordance with standards (Radiographic test, Penetrant test, Magnetic Particle Test, etc.)

3. TANK

Material: Pressure Vessel Steel

Substance: LPG, Propan, Butan

Certifications: ADR, EN12493,/2010/35/ EU (TPED),
AD 2000 MERKBLATTER, ASME

4. GENERAL FEATURES

The Bobtail Tank is equipped with a dispensing pump and the LPG counter is optional.

Options available for pump drive:

- 1 - From the hydraulic drive truck's PTO
- 2 - From the truck's PTO by shaft
- 3 - Electric motor

All welding operations are applied and tested according to manufacturing standards. The tanks are subjected to radiographic, ultrasonic penetrant, magnetic and hydrostatic pressure tests.

The connection equipment of the tanks is tested after being applied.

Sandblasting and painting processes of our underground and aboveground storage tanks are carried out with the highest quality.

Features such as durability, efficiency and sustainability provide our products with a long lifetime of use.



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LPG BOBTAIL TANKS



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LPG STORAGE TANKS



TECHNICAL SPECIFICATIONS

1. DIMENSIONS

Width: max. 4.500 mm

Height: max. 5.000 mm

Tare Weight: 8.500 ~ 16.000 kg

2. CAPACITY

Volume: 0.5 to 500 m³

3. TANK

Material: Pressure Vessel Steel

Substance: LPG, Propan, Butan

Certifications: CE, EN 13445, 2014/68/ EU (PED),
AD 2000 MERKBLATTER, ASME

4. GENERAL FEATURES

All welding operations are applied and tested according to manufacturing standards.

The tanks are subjected to radiographic, ultrasonic penetrant, magnetic and hydrostatic pressure tests.

The connection equipment of the tanks is tested after being applied.

Sandblasting and painting processes of our underground and aboveground storage tanks are carried out with the highest quality.

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LPG STORAGE TANKS



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LPG SCALES FILLING SKID SYSTEM FOR COOKING GAS



TECHNICAL SPECIFICATIONS

1. DIMENSIONS

Width: max. 4.500 mm

Height: max. 5.000 mm

Tare Weight: 8.500 ~ 33.000 kg

2. CAPACITY

Volume: 0.5 to 500 m³

3. TANK

Material: Pressure Vessel Steel

Substance: LPG, Propan, Butan

Certifications: CE, EN 13445, 2014/68/ EU (PED),
AD 2000 MERKBLATTER, ASME

4. GENERAL FEATURES

All welding operations are applied and tested according to manufacturing standards.

The tanks are subjected to radiographic, ultrasonic penetrant, magnetic and hydrostatic pressure tests.

- 2 kg to 50 kg cylinder filling capability
- Variety of design
- Mechanical and electronic calibration
- Exproof electrical system
- Exproof pump and motor
- Bypass system
- Leak detector
- Emergency stop



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LPG SCALES FILLING SKID SYSTEM FOR COOKING GAS



LPG SCALES FILLING SKID SYSTEM FOR COOKING GAS



LPG SCALES FILLING SKID SYSTEM FOR COOKING GAS



LPG DISPENSER FILLING SKID SYSTEM FOR AUTO GAS



TECHNICAL SPECIFICATIONS

1. DIMENSIONS

Width: max. 4.500 mm

Height: max. 5.000 mm

Tare Weight: 8.500 ~ 33.000 kg

2. CAPACITY

Volume: 0.5 to 500 m³

3. TANK

Material: Pressure Vessel Steel

Substance: LPG, Propan, Butan

Certifications: CE, EN 13445, 2014/68/ EU (PED),
AD 2000 MERKBLATTER, ASME

4. GENERAL FEATURES

All welding operations are applied and tested according to manufacturing standards.

The tanks are subjected to radiographic, ultrasonic penetrant, magnetic and hydrostatic pressure tests.

- Variety of design
- Mechanical and electronic calibration
- Exproof electrical system
- Exproof pump and motor
- Bypass system
- Leak detector
- Emergency stop



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LPG DISPENSER FILLING SKID SYSTEM FOR AUTO GAS



FUEL SEMI TRAILER TRANSPORT TANKS



TECHNICAL SPECIFICATIONS

1. DIMENSIONS

Width: max. 2.550 mm
Height: max. 3.800 mm
Axle Distance: 1.300 ~ 1.400 mm
Wheel Height: 1.250 ~ 1.350 mm
Tare Weight: 8.000 ~ 9.750 kg

2. CAPACITY

Volume: 26.000 to 50.000 Liters
Number Of Compartment : 1 ~ 11

3. TANK

Material: Pressure Vessel Steel

Substance: Gasoline, Diesel

Certifications: ADR, EN13094/2010/35/ EU (TPED)

4. CHASSIS EQUIPMENT

King-Pin: Comforms 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 or 12 tons each, mechanical or air suspension, drum or disc brake

Rims & Tires: 14,00 - 11,75 - 9,00 x 22,5 / 425 - 385/65 R 22,5 (Single) or 31/80 R 22,5 (Double)

Brake System: Comforms to ECE R 13 regulation EBS/ABS brake system



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FUEL SEMI TRAILER TRANSPORT TANKS

TECHNICAL SPECIFICATIONS

5. Tank Body

- » Gooseneck - Cylindrical or clindrical section design conforms to EN 12493 - EN 14025 standards.
- » Dished heads at front and rear, in accordance with EN 13094 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
- » 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.
- » Air gap safety against expansion and overflow conforms to EN 15120 standard.

6. Loading/Discharge Line

Loading Line

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

Discharge Line

- » Meets EN 13094, on the right 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, patent padded welded discharge pipes.

7. 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.

- ### 8. Paint
- » 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.



FUEL SEMI TRAILER TRANSPORT TANKS



FUEL SEMI TRAILER TRANSPORT TANKS



AMMONIA SEMI TRAILER TRANSPORT TANKS



TECHNICAL SPECIFICATIONS

1. DIMENSIONS

Width: max. 2.550 mm
Height: max. 4.000 mm
Axle Distance: 1.300 ~ 1.400 mm
Wheel Height: 1.250 ~ 1.350 mm
Tare Weight: 8.500 ~ 16.000 kg

2. CAPACITY

Volume: 26 - 45 - 48 - 50 - 55 - 57 - 60 m³

* Non-destructive inspection methods in accordance with standards
(Radiographic test, Penetrant test, Magnetic Particle Test, etc.)

3. TANK

Material: Pressure Vessel Steel

Substance: AMMONIA

Certifications: ADR, EN14025,
AD 2000 MERKBLATTER, ASME

4. CHASSIS EQUIPMENT

King-Pin: Comforms 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 or 12 tons each, mechanical or air suspension, drum or disc brake

Rims & Tires: 14,00 - 11,75 - 9,00 x 22,5 / 425 - 385/65 R 22,5 (Single) or 31/80 R 22,5 (Double)

Brake System: Comforms to ECE R 13 regulation EBS/ABS brake system



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AMMONIA SEMI TRAILER TRANSPORT TANKS

TECHNICAL SPECIFICATIONS

5. Tank Body:

- » Gooseneck-cylindrical section design conforming to EN 12493 design standard.
- » The pressure loaded body parts according to the EN12493 standard, high temperature steels according to EN 10028-2 standard (P ... GH) or at the fine-grained steels according to 10028-3 standard (P..N or P ... N ...), high strength, special "P" series of pressure vessel material, front and rear 1 each torispherical or ellipsoid dished heads, to inhibit fluid movement in the body and a half full transport (the gross volume of the tank to 20% of 80% of the use) FR to make 12,493 accordance with its design standards, driving direction is positioned perpendicular to the cross-type baffle.
- » ISO 3834 Welded manufacturing quality qualification approved.
- » Plates, bended according to the bending direction are joined by robotic welding technology in the form of longitudinal rings by circumferential welding to obtained a cylindrical body structure conforms to the EN 12493 design standard.
- » The emergency intervention manhole located in the horizontal axis which will provide full discharge in the tank in case of possible rollover.
- » V-type brackets used at frame joints are welded to the body with pad support to increase the strength of the body and are mounted with a bolt connection to the chassis.

6. Loading/Discharge Line:

- » The loading/ unloading piping according to EN 10216-1 or EN 10217-1 standards or both.
- » Piping fitted to prevent damage due to thermal expansion and shrinkage, mechanical shock and vibration.
- » Closed circuit loading and discharging through ball valves in the armature discharge box.
- » Independent triple (bottom valve - loading/discharge valve - blind flange or cap) closing fitting for bottom loading or discharge distantness.
- » Emergency stop system connected to loading and discharge line.
- » The thermal expansion valves, arranged for evacuation at a pressure not above the design pressure of the tank, positioned in such a way that the liquid cannot be confined to the pressurized vessel and not placed in the lower quadrant of the horizontal piping.
- » ISO 3834 Welded production quality qualification approved, the patented paddles are welded, loading / discharging line extending from the bottom valves to the loading / discharging valves.

7. Chassis:

- » Half "I" cross section chassis, reinforced with cross-members, body saddles connections mounted with bolts to the chassis, flexible against torsion and bending.
- » Chassis construction parts are manufactured in perfect harmony with synergic welding machines by certified welders under the approval of ISO 3834 Welded manufacturing quality qualification.

8. Paint:

- » Before painting sandblasting quality Sa 2
- » 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.



AMMONIA SEMI TRAILER TRANSPORT TANKS



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AMMONIA STORAGE TANKS



TECHNICAL SPECIFICATIONS

1. DIMENSIONS

Width: max. 4.500 mm

Height: max. 5.000 mm

Tare Weight: 8.500 ~ 16.000 kg

2. CAPACITY

Volume: 0.5 to 500 m³

3. TANK

Material: Pressure Vessel Steel

Substance: AMMONIA

Certifications: CE, EN 13445, 2014/68/ EU (PED),
AD 2000 MERKBLATTER, ASME

4. GENERAL FEATURES

All welding operations are applied and tested according to manufacturing standards.

The tanks are subjected to radiographic, ultrasonic penetrant, magnetic and hydrostatic pressure tests.

The connection equipment of the tanks is tested after being applied.

Sandblasting and painting processes of our underground and aboveground storage tanks are carried out with the highest quality.

Features such as durability, efficiency and sustainability provide our products with a long lifetime of use.



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FACILITIES



FACILITIES





Micansan Tanker Trailer

CONTACT

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production and projects;

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