

CO₂ Storage

Transportable ASCO CO₂ Tanks / ASCO CO₂ Semi-Trailers



ASCO supplies different sizes of transportable CO₂ tanks which can be mounted on any suitable truck or trailer locally. Transportable tanks are a cost saving alternative to conventional road tankers as the operator may use the vehicle for other duties as well as bulk CO₂ transport. The tank is a self-contained unit mounted on a base frame and when empty it can easily be craned on or off as required. Suitable lifting lugs are on the top of the tank.

While transportable (dismountable) CO₂ tanks provide cost efficiency, our CO₂ semi-trailers provide even more logistics efficiency.



The special design of both our transportable CO₂ tanks and semi-trailers allows simple operation. A lockable machinery compartment houses the transfer pump and motor, control valves, contents and pressure gauges and pipework.

ASCO Transportable CO₂ Tanks and CO₂ Semi-Trailers: Key features

- Short loading and unloading times thanks to proven design and user-ergonomics
- Highest possible capacity and lowest tare weight without compromising safety and durability, paying back customer's investments very early
- Special insulation considering least possible evaporation rate under extreme temperatures of different countries
- Versatile and adjustable design to be in conformity with different national standards
- Easy maintenance with highly accessible equipment panel, durable accessories
- Piping instrumentation design assuring maximum efficiency and safety

Transportable ASCO CO₂ Tanks/CO₂ Semi-Trailers: Available standard capacities

Pos. 001

ASCO CO₂ TPU transportable LCO₂ Tank, 6 m³ (211.9 ft³)

part no. 4046547

6 m³ PUR insulated truck mountable LCO₂ transport tank
incl. Smith MC-3H LCO₂ transfer pump with flexible hoses 5 m

Gross volume: 6'098 litres (1'610.9 gal)
Net volume (% 95): 5'793 litres (1'530.3 gal)
Empty weight: approx. 3'750 kg (8'267.33 lb)
Max. filling weight: approx. 6'123 kg (13'498.90 lb)
Max. total weight: approx. 9'873 kg (21'766.24 lb)
MDMT at mAWP: -40 °
Test Temp: min. 10 °C / max. 40 °C
MAWP: 24 bar (348.09 psi)
Thermal insulation: PUR insulation



Pos. 002

ASCO CO₂ TPU transportable LCO₂ Tank, 12 m³ (423.8 ft³)

part no. 4046548

12 m³ PUR insulated truck mountable LCO₂ transport tank
incl. Smith MC-3H LCO₂ transfer pump with flexible hoses 5 m

Gross volume: 12'127 litres (3'203.6 gal)
Net volume (% 95): 11'520 litres (3'043.3 gal)
Empty weight: approx. 4'500 kg (9'920.80 lb)
Max. filling weight: approx. 10'638 kg (23'452.78 lb)
Max. total weight: approx. 15'138 kg (33'373.58 lb)
MDMT at mAWP: -40 °
Test Temp: min. 10 °C / max. 40 °C
MAWP: 24 bar (348.09 psi)
Thermal insulation: PUR insulation



Pos. 003

ASCO CO₂ Semi-Trailer 25 m³ (882.9 ft³) PUR

part no. 4046544

incl. Smith MC-3H LCO₂ transfer pump with flexible hoses 5 m
equipped with OSMAN KOC brand axles

Insulation: Polyurethan
Gross volume: 25'000 litres (6'604.3 gal)
Net volume (% 95): 23'750 litres (6'274,1 gal)
MAWP: 24 bar (348.09 psi)
Max. payload: 24'627 kg (54'293.24 lb)
Gross vehicle weight: 35'000 kg (77'161.79 lb)
Electrical system: 24 V
Truck requirements: king pin height (Sattelauflegerhöhe) 1'250 mm (49.21 in)
Tests: The designs and calculations, visual dimensions and radio-graphic control are performed under the inspection of Bureau



Transportable ASCO CO₂ Tanks/CO₂ Semi-Trailers: Available Options:

Pos. 004

LCO₂ flowmeter system

part no. 4046545

Flowmeter system for transportable tanks and semi-trailers

Electronic acquisition, display, recording, analysis, remote transmission and archiving of analog and digital input signals. The device will be installed into the tank/semi-trailer.

Pos. 005

BPW Eco Plus Suspension Axles for ASCO Semi-Trailer

part no. 4046546

Optional axle system for ASCO LCO₂ Semi-Trailer 24.2 m³ (854.6 ft³)