

# CO<sub>2</sub> Storage

## ASCO Transportable CO<sub>2</sub> Tanks / ASCO CO<sub>2</sub> Semi-Trailers



**ASCO** supplies different sizes of transportable CO<sub>2</sub> 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 CO<sub>2</sub> 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) CO<sub>2</sub> tanks provide cost efficiency, our CO<sub>2</sub> semi-trailers provide even more logistics efficiency.



The special design of both our transportable CO<sub>2</sub> 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 CO<sub>2</sub> Tanks and CO<sub>2</sub> 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 CO<sub>2</sub> Tanks/CO<sub>2</sub> Semi-Trailers: Available standard capacities

Pos. 001

### ASCO CO<sub>2</sub> TPU transportable LCO<sub>2</sub> Tank, 6 m<sup>3</sup> (212 ft<sup>3</sup>)

part no. 4046547

6 m<sup>3</sup> PUR insulated truck mountable LCO<sub>2</sub> transport tank  
incl. Smith MC-3H LCO<sub>2</sub> transfer pump with flexible hoses 5 m

Gross volume:	6'098 litres (1'611 gal)
Net volume (% 95):	5'793 litres (1'530 gal)
Empty weight:	approx. 3'750 kg (8'267 lb)
Max. filling weight:	approx. 6'123 kg (13'499 lb)
Max. total weight:	approx. 9'873 kg (21'766 lb)
MDMT at mAWP:	-40 °
Test Temp:	min. 10 °C / max. 40 °C
MAWP:	24 bar (348 psi)
Thermal insulation:	PUR insulation



Pos. 002

### ASCO CO<sub>2</sub> TPU transportable LCO<sub>2</sub> Tank, 12 m<sup>3</sup> (424 ft<sup>3</sup>)

part no. 4046548

12 m<sup>3</sup> PUR insulated truck mountable LCO<sub>2</sub> transport tank  
incl. Smith MC-3H LCO<sub>2</sub> transfer pump with flexible hoses 5 m

Gross volume:	12'127 litres (3'204 gal)
Net volume (% 95):	11'520 litres (3'043 gal)
Empty weight:	approx. 4'500 kg (9'921 lb)
Max. filling weight:	approx. 10'638 kg (23'453 lb)
Max. total weight:	approx. 15'138 kg (33'374 lb)
MDMT at mAWP:	-40 °
Test Temp:	min. 10 °C / max. 40 °C
MAWP:	24 bar (348 psi)
Thermal insulation:	PUR insulation



Pos. 003

### ASCO CO<sub>2</sub> Semi-Trailer 25 m<sup>3</sup> (883 ft<sup>3</sup>) PUR

part no. 4046544

incl. Smith MC-3H LCO<sub>2</sub> transfer pump with flexible hoses 5 m  
equipped with OSMAN KOC brand axles

Insulation:	Polyurethan
Gross volume:	25'000 litres (6'604 gal)
Net volume (% 95):	23'750 litres (6'274 gal)
MAWP:	24 bar (348 psi)
Max. payload:	24'627 kg (54'293 lb)
Gross vehicle weight:	35'000 kg (77'162 lb)
Electrical system:	24 V
Truck requirements:	king-pin height 1'250 mm (49 in)
Tests:	Designs, calculations, visual dimensions and radiographic control are performed under the inspection of Bureau Veritas.



## Available Options:

Pos. 004

### LCO<sub>2</sub> 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 LCO<sub>2</sub> Semi-Trailer 24.2 m<sup>3</sup> (855 ft<sup>3</sup>)