

**Operating instructions for CAMPKO composite gas cylinder with and without OPD  
valve**



Please note the following pictograms:



Please read this section carefully.



Attention / Caution Indicates dangers that can lead to minor physical injury or damage to property.



No fire! When handling gas (filling the container / checking for leaks / checking for leaks) sparks and flames can cause fire, explosions, damage to property, serious injury or fatal accidents.



Do not smoke! When handling gas (filling the container / checking for leaks / checking for leaks) Sparks and flames can cause fire, explosions, damage to property, serious injury or fatal accidents.



Risk of injury! Use gloves.

## Introduction



CAMPKO composite gas cylinders with OPD valve are designed and approved for use in a vertical position and for the use of LPG (propane/butane). The gas cylinder must never be transported or used in a horizontal position. A gaseous gas withdrawal can only be guaranteed in an upright position. The use of any other medium is not authorised and is prohibited.



The valve body must not be removed from the gas cylinder. Damaged gas cylinders or valves must be returned to the dealer or manufacturer for inspection before the gas is completely released from the gas cylinder. The markings on the gas cylinder and the valve body must not be removed or altered.



If no gas regulator with crash sensor (CS) in accordance with EN1949 is installed, the Withdrawal valve must be kept closed while driving. It is strictly forbidden to approach the gas cylinder with fire or an open flame. The gas cylinder must always be in a vertical position and securely installed in the vehicle during refuelling and removal.



### Ventilation in the gas locker

Permanent ventilation to the outside must be provided for each liquid gas cylinder installation room.

If ventilation is only provided near the floor, the free opening must be at least 2 % of the floor area of the installation room, but at least 10,000 mm<sup>2</sup>. For ventilation in the upper and lower areas, each of the free openings must be 1 % of the floor area of the installation room, but at least 5 000 mm<sup>2</sup> in each area. In the lower area means in the floor or in the side wall in contact with the floor. The larger dimension of the ventilation opening is at floor level. It must not be possible to completely or partially cover the ventilation openings with an LPG cylinder. These requirements must be fulfilled by the respective manufacturer before new vehicles are placed on the market and must be fulfilled by the fitter in the case of so-called aftermarket conversions or "self-conversions".



### Refuelling

**CAMPKO composite gas cylinders with and without OPD valve may only be refuelled by trained and authorised specialist personnel.**

The filling of CAMPKO gas cylinders with and without OPD valve is only permitted by licensed filling stations. Independent filling in installed or portable condition at public LPG filling stations is prohibited.

CAMPKO Composite gas cylinders may only be refuelled in an upright position, as otherwise the automatic filling stop mechanism inside the gas cylinder may not function correctly. Only refuel the CAMPKO Composite gas cylinders with LPG (propane/butane).

**Never** fill up with more than 80% of the gross capacity of the gas cylinder.

12.7 litres gross = 10.16 litres net

18.2 litres gross = 18.20 litres net

24.5 litres gross = 19.52 litres net

**CAMPKO® composite gas cylinders**

Model	Diameter	Height	Weight	Volume	Volume	Volume
	mm	mm	(with valve), kg	Litres, gross	Litres, net	kg, net
<b>CAMPKO® composite 12.7</b>	310	400	3,99	12,7	10,16	5,17
<b>CAMPKO® composite 18.2</b>	310	485	4,67	18,2	14,56	7,41
<b>CAMPKO® composite 24.5</b>	310	583	5,7	24,5	19,52	9,94

### General safety



- Always store gas cylinders upright, in a well-ventilated place and protected from direct sunlight.
- Keep gas bottles away from open flames, sparks, heat sources and electrical appliances.

### Transport and storage

- Gas cylinders must be secured during transport to prevent them from falling over or slipping.

### Connect and use

- Check all connections, hoses and seals for damage or leaks before use.
- Only use approved and suitable pressure regulators and connections.
- Open the valve slowly and in a controlled manner. Avoid the gas escaping quickly.

### Emergency measures



- If you smell gas, extinguish all open flames immediately, do not use electrical appliances and ventilate the room.
- Close the gas supply and leave the danger zone.

### **Labelling and instructions**

- Observe the labelling and safety data on the bottle (e.g. hazard symbols, operating pressure, filling weight).
- Ensure that all users are informed about the security requirements.

**Caution:** Improper handling of gas cylinders can lead to serious injuries, explosions or fires. Always follow the safety instructions.

If you have any further questions or problems, please contact our service centre. You can find a Europe-wide workshop network at <https://hybrid.supply/contact>