

Operation manual for composite cylinders with 80% overfill protection device (OPD)

Please, read carefully these operation instructions to ensure a safe operation of the cylinder.

IMPORTANT: The cylinder is full with pressurised air. Empty the cylinder before the first refuelling.

Adequate use:

The composite cylinder with OPD valve is designed as a stationary pressure self-fuelling equipment. The installation must be done by a specialised company or by qualified staff. The installation must strictly comply to the relevant regulations and laws.

The valve consists of the following elements:



- 1 – Filling and extraction valve (G.5 small-bottle connection)
- 2 – Shut-off valve for extraction valve (opened/closed)
- 3 – 27 bar safety valve (automatic pressure relief valve)

Safety requirements:

The valve body must not be removed from the cylinder. The damaged cylinders or valves must be sent back to the retailer for their inspection after releasing the gas completely from the cylinder. The marks on the cylinder and the valve body must not be removed or changed. The extraction valve with manual knob must be closed while driving. It is strictly forbidden to approach to the cylinder with fire or open flame. The cylinder must always stand in vertical position during refuelling and emptying.

Initial operation:

The cylinder must not operate until it has been properly installed and complies with all the legal requirements.

Refuelling:

IMPORTANT: Make sure that the pressurised air has been discharged before the first refuelling. In order to achieve that, let the cylinder with the shut-off valve completely open at least for 8 minutes.

Fix the refuelling gun to the filling valve / tank adapter and start the refuelling process by pressing the button ("dead man's device") on the dispenser. Approximately at 19,52 liters, the refuelling process stops automatically. Never fill more than 19,52 liters!

Close the cylinder valve. Release the nozzle blocking device after refuelling. This produces a loud wheezing sound and the residual gas flows outside the nozzle.

Note for the use after the **first refuelling**: It could happen that some delicate equipments like the Truma heater are disturbed by possible air residues in the cylinder. Therefore, we recommend to operate the cooker for approx. 10 minutes to remove the residual air. This procedure is only necessary after the **initial refuelling** or a **valve replacement**.

Technical details:

Gross filling weight	24,40 liters
Net filling weight (80%)	19,52 liters
Capacity	11,00 kg
Empty weight	5,70 kg
Height	583 mm
Height without collar	Collar not detachable
Diameter	310 mm
80% overfill protection valve	Included
Security valve	27 bar pressure relief valve
Inlet	G.5 as well as G.12
Outlet	G.5 as well as G.12
Fuel gauge	Directly at the cylinder
Remote indicator	Not available
Cylinder	2010/35/EU ADR/RID 2015 ISO11119-3:2002
Valve	
Durability	10-year test interval