

Gas filter

EN Operating instructions

To be kept in the vehicle

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Symbols used



The appliance must only be installed and repaired by an expert.



Symbol indicates possible hazards.



Note containing information and tips.

Safety instructions



Gas filters must be installed and used in accordance with the installation and operating instructions. Non-compliance can result in fire, explosion or a deflagration.



Commissioning must not be performed in the event of any leak, fault or damage. Defective gas filters must not be used.



Use only original Truma spare and accessory parts.



Explosion hazard! Residual gases can escape during a cylinder and filter pad change. Smoking, fire and naked flames are prohibited. It is essential to avoid the creation of sparks.



When handling the filter bowl, make sure that the seal (O-ring) in the filter housing and the sealing surface on the top edge of the filter bowl are not contaminated or damaged. Dirt or damage can cause leaks. If that happens, contact a specialist workshop (Truma Service Partner).



When handling the gas filter and the filter pad, make sure that you do not come into contact with the separated materials and do not spill them. In the event of accidental skin contact, wash the wetted parts of the body with warm water and soap immediately. Consult a doctor in the event of eye contact or if swallowed.

Intended use

Evaporation residue such as olefines, paraffins and other hydrocarbon compounds gets into the liquid gas during manufacture and via the logistics chain. These oily substances are transported from the liquid gas cylinder in the form of aerosols (liquid droplets in the micrometer range) in the flow of gas, and are deposited in the gas pressure regulators, pipelines or valves.

The proportion of evaporation residue in liquid gas depends on various factors. These include the extracted gas volume, the pressure and the temperature during extraction, the gas cylinder used and the standards at the filling plant.

The Truma gas filter is designed solely for filtering aerosols, i.e. liquid droplets in the gas flow and separates out up to 99.9% of the oily substances thanks to its efficient filter element. It is not suitable for filtering purely gaseous or purely liquid residues.



No warranty is given for failure of gas pressure regulators, valves or other components in the liquid gas system caused by oil contamination or other foreign substances in the liquid gas.

Proper use

The gas filter is approved solely for installation and operation in “caravans” of vehicle class O and “motor homes” (“motor caravans”) of vehicle class M1 if the gas system has been installed in accordance with EN 1949.

The national legislation and regulations for operating and testing gas installations (e.g. DVGW Work Sheet G 607 in Germany) must be observed.

When the appliance is used commercially, the operator must ensure that special legal and insurance regulations that apply in the respective destination country are observed (in Germany e.g. DGUV regulations).

Improper use

All other uses not listed under proper use are improper and therefore prohibited.

This applies for example to installation and operation in:

- Motor buses (vehicle classes M2 and M3),
- Commercial vehicles (vehicle class N),
- Boats and other water vessels,
- Hunting/forestry huts, weekend homes or awnings.

Installation in trailers and vehicles used to transport hazardous goods is prohibited.

Operating instructions

Replacing the filter pad

i The filter pad must be replaced every time the cylinder is changed. Only use original Truma filter pads (part no. 50681-01).

i When changing the cylinder, make sure that you do not knock the gas cylinder against the filter otherwise it could be damaged.

! The gas filter must always be pointing downwards when it is being handled (filter pad changing). Twisting the gas filter on the regulator connection can cause leaky screw joints.
Use the screw aid (supplied with the Truma gas pressure regulator) to check that the union nuts on the gas filter are secure.

Preparation

! Residual gas: No smoking, no naked flames!

! The gas filter may only be opened when it is depressurised.

1. Close the gas cylinder (close the cylinder valve).
2. Unscrew the high-pressure hose from the gas cylinder. This depressurises the hose and the gas filter.

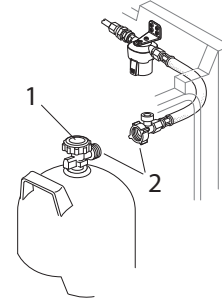


Figure 1

Open the gas cylinder

Press and hold the snap catch

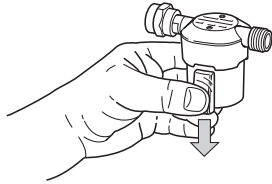


Figure 2

Rotate the filter bowl to the left.

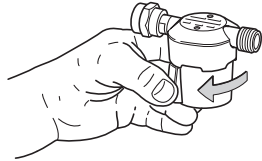


Figure 3

Remove the filter bowl downwards.

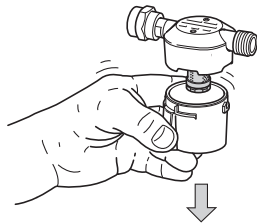


Figure 4

Replace the filter pad

Take a new filter pad out of the plastic bag.
Push the empty plastic bag over the filter bowl.

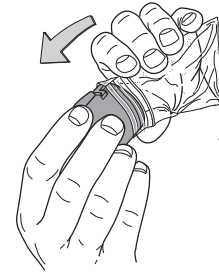


Figure 5

Upend the filter bowl and plastic bag and shake the filter pad out of the filter bowl and into the plastic bag.

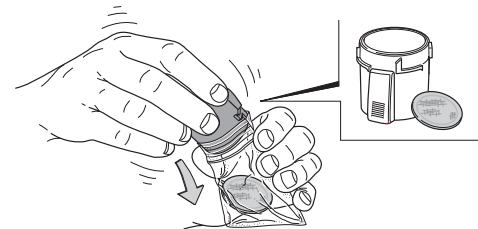


Figure 6

Close the plastic bag with the zip fastener and dispose of it properly. See the chapter Disposal.

Place a new filter pad into the filter bowl so that the filter pad lies flat on the bottom of the filter bowl.

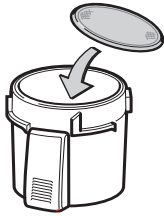


Figure 7

Close the gas filter

Attach the filter bowl onto the filter housing from below. Here, the snap catch is opposite a lug of the filter housing (see arrow in Figure 8).

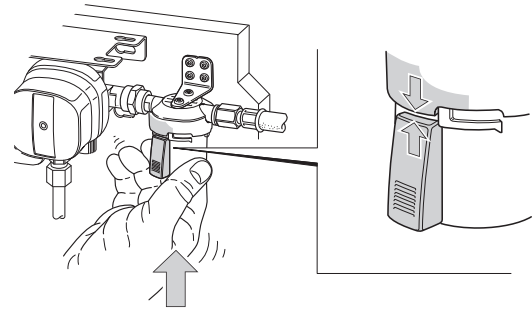


Figure 8

Press up the filter bowl and then rotate it slightly to the right.

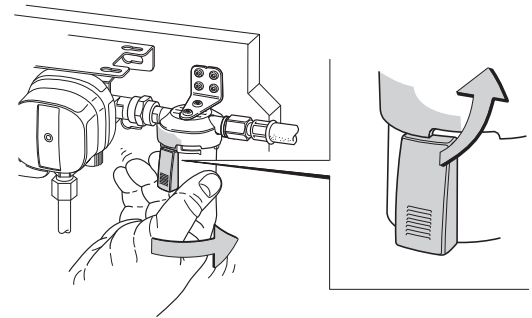


Figure 9

The snap catch engages in the filter housing.

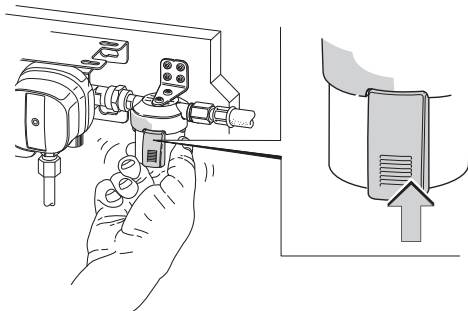


Figure 10

Note about the gas filter

A filter element is screwed into the filter housing. This does not have to be replaced. If the filter element is damaged, it is available as a spare part (part no. 50020-00576). Use only original Truma spare parts.

Single-cylinder operation

In single-cylinder operation, the free inlet must be sealed with the supplied cap.

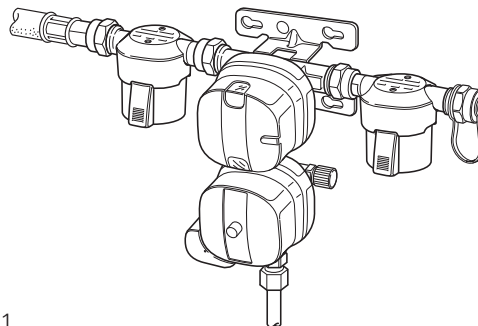


Figure 11

Disposal



The used filter pads and any cleaning material that occurs must be disposed of in accordance with the administrative regulations of the respective country of use. National regulations and laws must be followed (in Germany for example these are the Kreislaufwirtschafts- und Abfallgesetz (Recycling Management and Waste Law) and the respective municipal waste management by-laws). The relevant regulations must be observed in other countries.

Technical specifications

Gas type

Liquid gas LPG (propane / butane)

Operating pressure

0.3 to 16 bar

Maximum flow

Mg = 1.5 kg/h

Temperature range

-20 °C to +50 °C

Filter inlet

M20 x 1.5 male thread (G.13)

Filter output

M20 x 1.5 union nut (H.20)

Recommended tightening torques

4 to 5 Nm for union nut M20 x 1.5

Weight

approx. 370 g

CE 0085



Subject to technical changes

EN Should problems occur, please contact the Truma Service Centre or one of our authorised service partners (see www.truma.com). In order to avoid delays, please have the unit model and serial number ready (see type plate).

Filterpad

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