

General information for GAS

It is really important to handle gas the right way. With that goal in mind that we decided to list the most important aspect concerning gas. Multiple website point towards the dangers of gas and how to limit these hazards.

The Gas Bottle

We don't have gas bottles in our product range however the gas installation begins with the gas bottle. It can be really dangerous if gas bottles are handled wrong or careless. So what do you have to take into account when placing or transporting gas bottles.

Placing of

Always place the gas bottle upright and don't burrow them into the soil

Make sure that the gas bottle isn't placed in direct sunlight or close to a heat source like open fire or a heater

The gas bottle should always be placed in a well ventilated room even when it isn't in use.

Because that gas is heavier than air it drops down. Therefore the floor grates of the drawbar box of the caravan or the gas bottle cabinet in a boat has to be always opened.

Make sure these grates are open and clean off dirt. Place the gas bottle if possible outside.

Transportation

Transport gas bottles always in the up right position, with the valve on top. Also secure the gas bottle

Make sure that the valve is closed even when the bottle is empty.

Don't smoke during transport. Turn off the engine during loading and unloading.

Provide as much ventilation as possible during transport of gas bottles. Don't leave gas bottle in the car then necessary. Remove the gas bottles immediately at your destination.

Pressure regulator

Pressure regulators ensures a constant en correct work pressure for connected equipment. The pressure regulator is of great importance because the pressure in the gas bottle is much higher than the working pressure. The pressure in the bottle is also dependant of outside temperature. In other words, if the ambient temperature rises the pressure inside the bottle rises. An other variable of the pressure inside the bottle depends on the filling degree.

There are 3 kinds of regulators

Pressure regulator for Campingaz. Available as 30 mbar and 50 mbar depending on the connected equipment. The regulators screwed on top of the Campingaz bottle. These pressure regulators can only be used with the blue Campingaz bottles.

The Universale pressure regulator

This regulator can be used on all steel and plastic propane bottles. Available in 30 mbar and 50 mbar depending on the gas equipment. The universale pressure regulator is screwed on the valve of the gas bottle. Make sure that you connect the proper pressure regulator is connected like is given on the gas equipment 30 or 50 mbar. And make sure the valve is closed before a regulator is swapped.

[Universale pressure regulator with blow-off protection](#)

These pressure regulators are identical to the universale pressure regulator but then executed with the blow-off protection. This kind of regulator is obligated for Camper, caravan, trucks and vessels with closed gas cabinet.



Never use a pressure regulator with blow-off protection with open fires like heaters and barbecues.

The blow-off protection makes sure in case of a malfunction the the complete bottle pressure isn't provided to all connected equipment. The blow-off protection lowers the maximum pressure to 2 or 3 times the nominal pressure.

It is of great importance that the gas pressure is equal to the working pressure of the connected equipment. There are two options [30 mbar](#) and [50 mbar](#).

Mount the pressure regulator to the bottle valve with the corresponding wrench. And prevent damaging the threads. The rule of thumb with tightening is hand tight. Optional and advisable is to check for leakage, for example with soapy water or gasleakagespray.

The advice is to exchange the pressure regulator every 5 years. This standard is advised by the Bovag.

How much gas is still in the bottle

The quickest and most accurate way to check how much gas is still in the bottle is weighing. The empty weight (tarra) is stated on each bottle, also the weight including filling and sometimes the weight of the filling. This information is mostly stated in the neck of the bottle. Weigh the bottle and subtract the empty bottle weight. The answer of weight - empty weight = weight of the gas.

The pressure regulator with manometer tells the pressure in the bottle, known as passage pressure, and doesn't tell you the contents of the bottle.

There is also the option to measure the contents of the bottle by means of a gasbottle-indicator. It only works on bottle made out of steel or aluminium and filled with propane or butane.

Gashoses

Always use a [hose](#) that is fit for the gas you are using and make sure that the date is printed on the hose.

It is advised to exchange the hose acht 4 years. The reason is the the flowing through gas or additives might damage the rubber.

Gas hoses need to be inspected periodic and checked on wear, leakage and damages. If there is discoloration, deformation, damages or signs of porosity then replace the hose immediately. Don't take any chances, when in doubt replace the hose.

Keep in mind that there is loss of pressure over distance. Keep the hose as short as possible. But the hose may not be to tight, kinking or twisting,

Keep the hose away from heat sources.

Never use a flame for detecting a leak.

More information

Leave the filling of gas bottles / cylinders to authorised filling stations.

Open and close gas bottle valves always by hand. Never use tools.

Have gas equipment and installation in boat, caravan or camper checked, cleaned and adjusted every year. And have the gas pipes pressure tested to check for leaks in the pipes.



Yellow sticker for aquatics, orange sticker voor caravan en camper.