



**Sustainable toilet –
no chemicals, no odours!**





Chemical-free and odor-free: Your travels, our solution!

Discover the perfect solution for all toilet systems in motorhomes!

Our innovative 12V ventilation systems transform your travels into an unparalleled experience. They guarantee comfortable, odour-free use without harmful chemicals or biological additives, and expel filtered air to the outside.

Every SOG® system is optimally adapted to the prevention of odours and the decomposition processes of all toilet systems available on the market, whether you are in a caravan, motorhome, or boat – our products offer you the highest level of comfort.

Why SOG® Systems?

Independent and environmentally friendly

SOG® Systeme GmbH & Co. KG, founded in 1994, offers you sustainable solutions with over 30 years of experience that reliably prevent any unpleasant odours without the need for any additives. Whether cassette toilet, macerator toilet, dry-separation toilet, or welded toilet: Our 12-volt ventilation systems operate quietly and efficiently, ensuring permanently fresh air, wherever you are.

Made in Germany – Quality standards in practice

All SOG® systems are developed and manufactured in Germany to the highest quality and material standards. We use durable, high-performance components, including the fan specially developed by and for SOG®, which has proven to operate reliably throughout the entire life of your vehicle.

Globally proven & individually adaptable

As an OEM supplier for original equipment, we offer both factory-integrated SOG® systems and flexible retrofit solutions. Our products can be precisely adapted to any installation situation and are trusted by leading manufacturers worldwide.

Unlimited advantages:



No environmentally harmful, health-damaging, or biological additives required



100% odorless indoors and outdoors, even in midsummer temperatures



The absence of additives allows for easy early emptying even at low fill levels



Decomposition occurs exclusively through water and oxygen



Unrestricted disposal possible due to the absence of any additives



No expensive special paper required



Optimal hygiene when handling waste



Despite the absence of chemicals, no significant residues or wear in the tank



Installation can be carried out independently or by contract

The SOG® System

Powerful ventilation for every toilet

SOG® and SOG® II for cassette toilets:

The SOG® system activates a high-performance fan when the toilet slider is opened, creating a vacuum in the waste tank, drawing in fresh air, and removing unpleasant odours and rising foul gases. Permanent ventilation through a hose connection open to the outside promotes the decomposition process and makes chemical and biological additives unnecessary. The 100% waterproof fans of the SOG® and SOG® II are resistant to aggressive components in the tank. Three options are available for filtered odour removal to the outside: door, roof, and floor versions.

SOG® Compact quick for macerator toilets

Owners of ceramic macerator toilets enjoy a pleasant indoor climate with SOG® Compact quick. The quiet fan activates automatically when the toilet lid is opened, extracts unpleasant odours, and completely neutralises the air with a powerful filter.

SOG® TT for dry separation toilets

The use of dry-separation toilets often requires continuous ventilation to prevent the formation of condensation, which can cause unpleasant odours and hygiene concerns. The SOG® TT fan, with a low power consumption of only 0.8 watts, was specially developed to optimise dry-separation toilets and is suitable for continuous operation.

Change the filter
only once a year,
breathe freely forever!



SOG® II Floor version



SOG® Compact quick



SOG® TT



SOG® Roof version



SOG® Door version

Nature-conscious while travelling through nature.

Chemical Toilets: Disposal and Environmental Issues

In many parts of the world, the disposal of camping toilets with chemical additives is no longer permitted due to their harmful effects on bacterial cultures in wastewater treatment plants.

Chemical toilets pose a hurdle for many camping enthusiasts. SOG® systems solve this problem by completely eliminating odours without chemical additives while simultaneously increasing comfort. With SOG®, any cassette toilet can be used quickly and easily, 100% chemical-free, without the need for expensive conversion to another toilet system. In addition, dispensing with sanitary additives reduces plastic waste.

But how does SOG® actually work?

SOG® Technology: Efficient Decomposition through Oxygen Supply

Chemicals do not promote the decomposition process of feces; rather, their primary function is to reduce fermentation gas odors and inhibit this process to minimize the formation of odorous gases. In fact, decomposition occurs through natural, biological processes exclusively with the help of oxygen.

A similar process is used, for example, in the aeration tank of a wastewater treatment plant. There, oxygen is supplied by compressed air to meet the microorganisms' needs for biological decomposition and thus promote decomposition.

The SOG® technology was developed on this basis over 30 years ago. This innovative technology utilizes the laws of nature to significantly accelerate the decomposition process of feces and toilet paper. This occurs through improved oxygen supply, both during toilet use and when the valve is closed.



The SOG® System for cassette-toilets

The innovation without any sanitary additives.

The SOG® operating principle:

Oxygen and water are the two crucial elements needed to decompose organic materials.

1. **Automatic high-performance fan:** When the toilet slider is opened, a specially developed, small, quiet, high-performance fan is activated. At a precisely adjusted speed, it creates optimal negative pressure in the waste tank.
2. **SOG® effect:** This negative pressure is crucial for the desired effect, as it draws fresh air through the slider opening and simultaneously extracts the unpleasant odours that arise during use.

The intake of air acts as a secure seal and 100% prevents the rise of foul gases. With each use, more oxygen is drawn into the cassette, while fresh water is simultaneously supplied through the flush.

3. **Permanent ventilation:** Even after the slider is closed, the pipe/hose connection to the outside remains permanently open. This ensures a constant supply of fresh oxygen, further promoting the decomposition process.

The SOG® toilet ventilation system thus ensures decomposition without the use of any sanitary additives and also offers increased comfort by eliminating unpleasant odors.

One system, three variants

The SOG® system always works the same way; only the exhaust air path varies.

SOG® Door version

- Ventilation through the service hatch
- Housing that mounts on the outside of the service hatch – quick and easy
- Exhausted air filtered odorlessly through the housing with activated carbon
- Available in common vehicle colors and can be custom painted
- Easy to maintain



SOG® II Floor version

- Ventilation through the vehicle floor
- Variable installation of the filter-fan unit up to three meters away from the toilet
- Completely odor-free thanks to a specially developed, highly efficient filter cartridge – exhaust air can even be directed into the awning area
- No visible changes to the vehicle wall
- Easy to maintain



SOG® Dachvariante

- Ventilation through the vehicle roof
- Completely maintenance-free
- No filter required
- No visible changes to the vehicle wall



The SOG® System for Macerator Toilets

SOG® Compact quick

- For all ceramic macerator toilets
- Compatible with all commercially available models
- Automatic fan activation when the toilet lid is opened
- Low-noise exhaust air routing via aerodynamically optimised extraction shaft directly at the toilet bowl
- Completely odourless for optimum indoor climate thanks to powerful activated carbon filter
- Easy installation – no drilling required on the seat, tank, or vehicle



The SOG® System for Dry-Separate and Welded Toilets

SOG® TT

- First 12 V ventilation system specifically for dry-separation and welded toilets
- Optimised filter-fan unit with integrated, low-noise fan
- Individual control via switch on the vehicle interior wall – continuous operation possible (only 0.8 W)
- Continuous air circulation to prevent condensation and moisture build-up
- Complete odour removal for indoor and outdoor use
- High filter efficiency even at high ambient temperatures
- Healthier hygiene thanks to reduced humidity and minimised bacterial growth
- Compatible with all standard dry-separation and welded toilets
- Available in two versions: door version and floor version





SOG® Filters

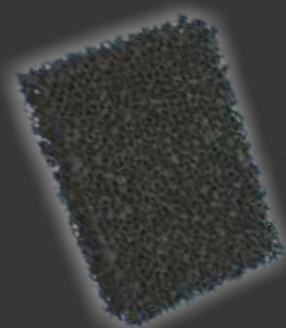
Activated carbon is an important component of SOG® systems.

Activated carbon is extracted from peat, nutshells, or sugar in an environmentally friendly way and consists of over 90% highly porous carbon. The pores are interconnected like a sponge, providing enormous filtration performance.

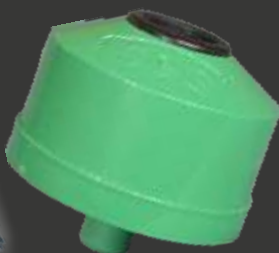
But not all activated carbon is the same – our system uses a specially adapted version that is tailored to the complex requirements of binding faecal odours.

Advantages of SOG® Filters:

- Direct odor-neutral air outside or into the interior
- Passed performance tests under extreme conditions
- Sustainable, carefully adapted activated carbon
- Replace only once a year
- No carbon dust formation
- Lightweight and compact



SOG® Door filter



SOG® II Floor filter



SOG® Compact filter



SOG® TT filter

The Success Story

Our Origin

Founded in 1994, SOG® Systeme GmbH & Co. KG remains the world's only provider of environmentally friendly 12 V ventilation systems for motorhome toilets. We rely on chemical-free fresh air instead of additives. With this unique system, we have set new standards and continue to lay the foundation for odour-free and sustainable sanitation solutions.

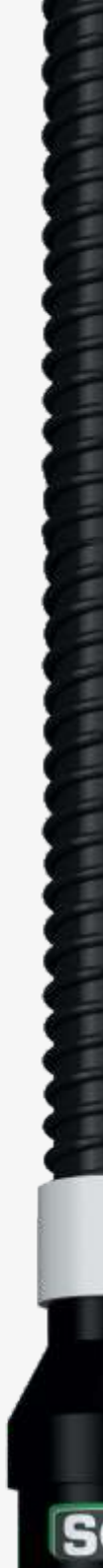
Worldwide Presence

SOG® products are in demand not only in Europe – exports to countries such as Australia, the USA, New Zealand, and Korea are continuously growing. This underscores the international recognition of the quality and innovation of our products. The systems are optimally adapted to the individual needs and requirements of toilets and vehicles.

Excellent Engineering

Thanks to our chemical-free technology, motorhome users not only save on additives, but also actively contribute to environmental protection. This innovation has already received numerous awards:

- **April 1995:** "Accessory of the Year," voted by readers of the trade magazine promobil
- **June 1997:** Stiftung Warentest confirms: "Since chemical sanitary additives are completely unnecessary, these toilets can be operated in a way that is gentle on the nose and the environment."
- **2006:** Awarded the Inventor's Prize for our chemical-free ventilation systems
- **2016:** Awarded the "Oscar of the Caravan Industry" (Lupo)



- 1994** — The developer Werner Dahmann, himself a passionate camper, developed the idea of a chemical- and odor-free camping toilet, which, in collaboration with co-founder and wife Ruth Dahmann, led to initial tests in their rental fleet.

The first prototype was created. The utility model for the idea was registered, and production began with the purchase of the first production container. The product was delivered directly to leading motorhome manufacturers, who installed the system and permanently included it in their product ranges.

- 1995** — A European patent was filed for the invention.

- 1996** — SOG® participated in the CARAVAN SALON in Düsseldorf for the first time and began to establish international trade partnerships.

- 1998** — The company acquired a 3,000 m² site in Löff near Koblenz for the construction of a new production facility, workshop, and salesroom. At the same time, the SOG® ventilation system for fixed-tank toilets was introduced. The construction of parking spaces soon followed.

- 1999** — The European patent was granted. The company premises
- 2009 were expanded again, and additional parking spaces were put into operation.
Market launch of the SOG® II floor-standing version with highly optimized filter technology that can be flexibly positioned within the vehicle.

- 2010** — Introduction of the first 12V ventilation system, the SOG®
- 2019 Compact, for macerator toilets, as a compact technical unit for odor extraction.
Celebrating the 25th anniversary of SOG® ventilation systems.

- since 2020** — Further expansion of the company premises to create greater production and storage capacity and renovation of the sales and showroom areas.

Introduction of SOG® TT as the first ventilation system for dry, separation toilets that prevents odor development. The extraction system for macerator toilets is further developed with the SOG® Compact quick.



Recommended by



Contact and directions

The SOG® workshop on the beautiful Moselle has already had quite a few motorhomes and caravans under its nose. SOG® systems are regularly retrofitted in all brand models - the best individual solution is offered for everyone.

Take advantage of our installation experience and save yourself the trouble of reaching for tools. A personal consultation will clarify what is important to you and what to look out for during installation.

SOG® Systeme GmbH & Co. KG

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EXPLAINER VIDEO

