Installation instructions
OGO Version 2023

Step 1 – Check space conditions:

The OGO requires a minimum room width of 42 cm - the room should be measured before. In addition to the toilet dimensions, both the operating elements and the hose connection should be taken in the calculation. A template is optionally available for download, which can be printed out and placed in the spot. (https://tomtur.de/mediafiles/Sonstiges/Einbauschablone-OGO_en.pdf).

The OGO is splash-proof, but should be covered when water is running, e.g. when showering. A shower curtain or similar is here sufficient. Otherwise, water can enter the toilet through the front lip and completely undermine the principle of a composting toilet.

Step 2 – Prepare ventilation:

The fan of the OGO should run around the clock during the period of use. This is not a problem as it is a small fan that consumes little power and is very quiet (20 mA/12Volt/14dB). The fan does not have the task of extracting odors, but to continuously transport moisture to the outside and to dry the substrate in the solid container - only in this way does the system function reliably odor-free. Therefore, the correct installation of the ventilation is essential!

The hose with a diameter of 40mm should be led through the outside wall into the open air. From the outside, the hose entrance should be covered by a splash/wind screen with an integrated insect screen, e.g. a ventilation grille (https://tomtur.de/Ventilation-Grille-63mm) or an shell vent with fly screen (https://tomtur.de/Shell-Vent-with-Fly-Screen-paintable). There must be no reduction, hard 90° angle or activated carbon filter between the toilet and the hose outlet! This is the only way to ensure that the moisture can be transported to the outside properly. The ventilation can be mounted freely via the side, through the floor or via the roof - a suitable cover must be selected here.

There are two ways to install the exhaust air hose on the inside of the wall. On the one hand is by using a flange (https://tomtur.de/Natures-Head-Wall-Hose-Adapter) that is glued or screwed and sealed to the wall. The black end connector of the exhaust air hose can simply be pushed over the connector of the flange. On the other hand, by gluing in a HT pipe DN40 (https://tomtur.de/HT-pipe-DN-40-white-250-mm). The pipe must be sealed properly and cut to size so that approx. 3-4 cm remain inwards. The exhaust air hose can also be easily slipped over the pipe.

If a flap of the previous cassette toilet is already installed, it can be used as an opening component or an existing hole, e.g. of a SOG system, can be extended to 40mm. An existing SOG system can NOT be used and must be removed, as this is a different operating principle.

A 1.5m long hose is included in the scope of delivery, which can be extended if necessary (https://tomtur.de/Extra-Venting-Hose-transparen-per-meter). If the hose length is longer than

2m, we recommend replacing the fan with the more powerful premium fan (https://tomtur.de/OGO-Spare-Fan-Premium-stronger).

There is also an indoor solution via a special filter that has been explicitly developed for operating a separation toilet without an outdoor connection: (https://tomtur.de/ToMTuR-charcoal-filter-KotoAir-1020-for-composting-toilets).

Step 3 – Prepare power connection:

The OGO requires a 12V connection. Connection to a 24V system is only possible by using a voltage converter. The connection should have permanent power and not be switched off. The integrated fan must be permanently in operation 24 hours / 7 days during the time of use, e.g. during holidays.

The connection must be fused with 10A. The power consumption is about 1.1 Ah per day. Although the consumption is very low, it should be considered when planning the vehicle's electrical system.

The cable cross-section for the line to the toilet depends on the line length. In the toilet, however, the cable cross-section is only 0.75 - because the larger amounts of current are only be needed for a few seconds.

IMPORTANT: Plus (red cable) and minus (black cable) must be connected the right way round. Otherwise, the agitator will turn in the wrong direction. The agitator must turn anti-clockwise.

A connection to 230V is also possible. A wall transformer is required for this (https://tomtur.de/230V-Wall-Transformer-12V-10A-for-OGO).

Step 4 – Installation of the OGO:

The OGO will be mounted to the floor with four screws. Screws for wooden floors are included in the scope of delivery. For other floor conditions, suitable screws must be used.

The toilet can also be fixed e.g. by straps, via magnets or even by gluing with special glue for PE. A secure, stable installation of the toilet, especially in vehicles, is absolutely necessary.

Finally, the hose is pushed over the exhaust connector and the plug of the power cable is inserted into the socket. The toilet is now ready for operation. The module for the hose and power connection is flexible and can be changed to the other side of the toilet via a simple clip system.

Step 5 (OPTIONAL) – Connection to an external urine tank:

An external urine tank can be connected as an option to the 9L urine bottle. The urine bottle must be taken out of the drawer and the opening in the base must be pushed out. A hole is drilled underneath the toilet through which the toilet is connected to the urine tank.

With an external urine tank, it is mandatory to use an adapter with odor trap (https://tomtur.de/Urine-tank-adapter-with-odor-trap). This will be plugged onto the urine

bottle socket and connected to the urine tank with a 32mm HT pipe. The HT pipe is attached individually depending on the installation situation.

IMPORTANT: When connecting an external urine tank, the urine bottle drawer can no longer be pulled out of the toilet. As a load-bearing element, the drawer has an important function in the toilet body. It also prevents insects from entering the system. In this case, the solids container is removed upwards. In that case open the solids flap, so that the solids flap bracket clears the way to remove the container upwards without problems.

TIP: In the case of a modification, the existing cassette of a chemical toilet can possibly be used as an external urine tank. Therefore, the cassette only needs to be placed under the OGO or under the floor.

TIP: We recommend using a pure urine tank as an external tank. Leading the urine into a grey water tank can produce a strong odor and heavy deposits in the tank due to contact with water.