



# ECOMOTIVE™ A02 BIOLOGICAL FILTER FOR GREY WATER

- SOURCE SEPARATION FROM JETs™

JETs™ SANITARY SYSTEMS - MADE TO PLEASE

[www.jetsgroup.com](http://www.jetsgroup.com)

# ECOMOTIVE A02: BIOLOGICAL FILTER FOR GREY WATER FOR HOUSES AND CABINS THAT MEETS ALL PURIFICATION REQUIREMENTS. COMPACT, SIMPLE, SAFE AND FORWARD-LOOKING.

## Delivered ready assembled – easy to install

The Ecomotive™ A02 grey water purification system is supplied ready filled with filter media, ready to be lowered straight into a drained construction pit. All that needs connecting are inlet and outlet pipes for water, as well as a power supply. The A02 is supplied with a level sensor ready for connection to an alarm (the alarm is an additional accessory).

Purified water from the system is diverted into a simple infiltration ditch, which may be constructed as close as 30 metres from an open source of drinking water.

## Simple and reliable

The Ecomotive™ A02 has been developed with a view to providing the most optimum degree of purification and the most reliable solution, while also ensuring that the system is easy to maintain.

With its robust and carefully honed solutions, the Ecomotive™ A02 is the safest choice for maintaining reliable discharge of wastewater over time.

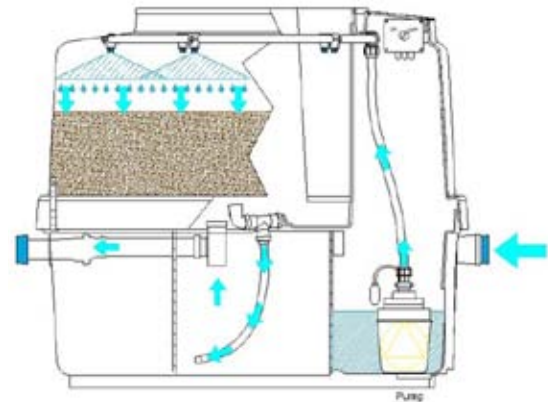
## Maintenance

The system requires a minimum level of maintenance. The sludge chamber and clarifier must be emptied of sludge at fixed intervals\*. Beyond this we would recommend that you enter into a maintenance agreement with Jets™ or one of our designated dealers.

The filter media in the A02 should not be replaced.

## High degree of purification

The Ecomotive™ A02 fulfils all current purification requirements, combined with a closed toilet system (Jets™ vacuum toilet).



## Technical data

- Height 1,445 mm
- Diameter 1,820 mm
- Weight 490 kg
- Inlet 110 mm
- Outlet 110 mm
- Electrical connection 230V 10A
- Heater cable
- Powerful pump for stable operation
- Nozzles with swivel for optimum dispersion
- Alarm (9V) (additional accessory)

## Capacity

- Nominal capacity 600 l/d
- Maximum capacity 900 l/d

*\* Every 5th year for holiday homes, every year for ordinary homes.*

*All wastewater discharge is subject to application – documents may be obtained from Jets™ or from one of our dealers.*

*The system must not be connected to a Jacuzzi, whirlpool, etc. – see capacity.*

**SOURCE SEPARATION with JETS™** is simple! Combine purification of grey water in the Ecomotive™ Aoz with collection of toilet waste from a vacuum toilet in a sealed tank, and get the **safest** and **most environmentally-friendly** wastewater solution on the market today. Jets™ has solutions for both cabins and houses.

### Distribution of nutritive substances and infective agents

Almost 90% of the total discharge of sanitary wastewater from houses and cabins is grey water, i.e. toilet waste represents only around 10%\*. On the other hand, the majority of contamination and infective agents is found in black water from toilets.

Jets™ will let you easily separate grey and black water and treat them separately. This provide safe wastewater discharge!

### Collect black water in a collecting tank.

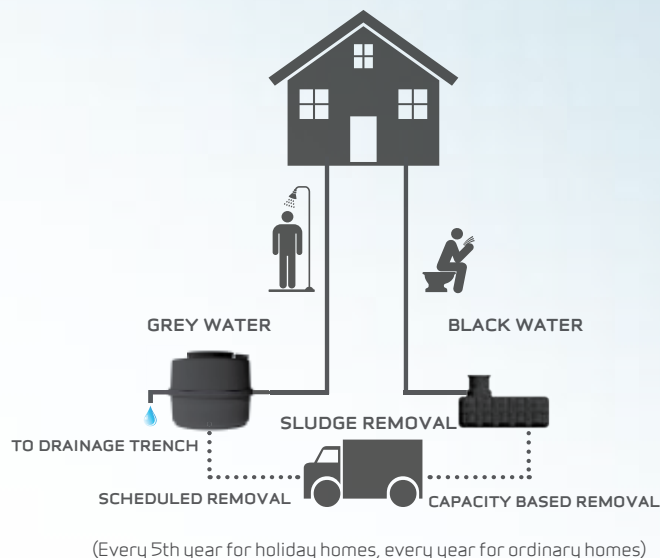
By directing black water from the toilet into a separate tank, we remove the hazardous waste. Moreover, due to the low amount of waste from Jets™ vacuum toilets, the volume will be reduced. This means that the tank size can be reduced considerably or the tank can be emptied less frequently.

### Purify grey water on your own land

As we are directing black water from the toilet into a separate tank, we remove the most hazardous waste. It is then much easier to purify the less hazardous domestic grey water. Following purification in the Ecomotive™ Aoz, the grey water can be returned to the ground via a simple infiltration ditch on your own land.

### High degree of purification – high level of safety!

Thanks to our source separation with the Ecomotive™ grey water purification system and Jets™ vacuum toilet for sealed tanks, you can now enjoy the benefits of a forward-looking, complete wastewater system that benefits the environment. The solution prevents hazardous discharge even in the event of a power cut because the grey water



purification system will still maintain its sludge separation function. Moreover, the nutritive substances and infective agents from the black water will already have been diverted to a separate collecting tank.

### Vacuum toilet, dimensioning and control

The correct dimensioning of tanks for vacuum toilets combined with a tank emptying agreement will give less cause for concern.

The tank in the toilet system can be fitted with a level monitor that will sound an alarm before the tank is full and will stop further use of the system. The number of flushes is shown in the display and will help you maintain control of the tank level (applies to toilet systems fitted with a control panel).



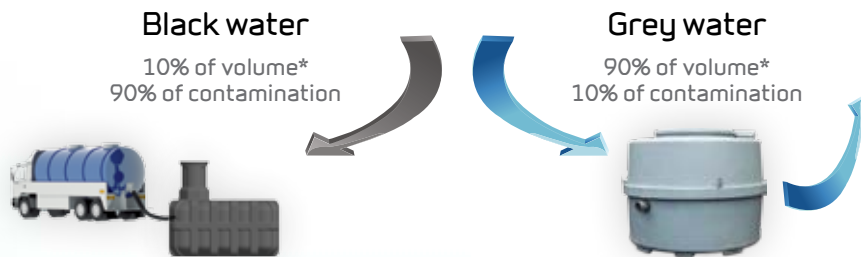
*Biofilter from Ecomotive™ Aoz shown in 1:1 dimension*

*\*When using a Jets™ vacuum toilet*

# JETS™ SOURCE SEPARATING WASTEWATER SYSTEM – A SAFE CHOICE!



Phosphor (tot-P): 100%  
Nitrogen (tot-N): 100%  
Organic matter (BOF5): 100%  
E-coli: 100%



Proportion of total contamination:  
Phosphor (tot-P): 85%  
Nitrogen (tot-N): 75 %  
Organic matter (BOF5): 50 %  
E-coli: 99.9%

Proportion of total contamination:  
Phosphor (tot-P): 15 %  
Nitrogen (tot-N): 25 %  
Organic matter (BOF5): 50 %  
E-coli: 0.1%

	Total purification with JETS™ Source separation	Most stringent purification requirements in Norway
PHOSPHOR (tot-P)	95%	90%
Nitrogen (tot-N)	80%	none
ORGANIC MATTER (BOF5)	96%	90%
E-COLI	99.99%	none
TOTAL SUSPENDED SOLIDS (TSS)	94%	20%

Total discharge from source separation: Tot-P: 5% Tot-N: 20% BOF5: 4% E-coli: 0.01% TSS: 6%

\*When using a JETS™ vacuum toilet



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