

Recycle and save water

When it comes to making savings in fuel and money on a boat, many people focus on propulsion and then look at the efficiencies of different components.

But weight and therefore fuel savings can also be made with the storage of fresh, grey and black water.

US company Bio-Microbics, distributed in the UK and Europe by Ocean Footprint, has developed its Recover system to recycle waste water allowing boat users to cut down on the amount of water carried on board.

The system is used to filter water from the galley, showers and basins and treat it to a state that can be used to wash down decks, flush the toilets and/ or be discharged overboard.

The system incorporates an [automated] “CleanScreen” grey water, reusable filter, designed to ‘practically eliminate’ maintenance. After each shower, the filter is automatically cleaned and disinfected to remove contaminants that will drain into the black water tank.

“We have found that this system can reduce water usage by up to 30%,” says Peter Harrison of Ocean Footprint. “The system comes with washable filters and a simple drop in tablet to ensure only sterile water is discharged.

“The savings add up every time a toilet is flushed, since one shower provides enough greywater to flush the toilet 20 times.”

Any water not required is diverted overboard with the water meeting all current regulations, including those in place in zero discharge zone such as the South of France.

“It makes sense to be able to make use of some of your valuable water more than once, the savings in fuel alone whilst underway make it a no brainer and could even save enough to negate the requirement for a watermaker,” added Mr Harrison.

The Recover system can be installed in a tight space and operates on low power consumptions.



Photo 1 Recover® recycles grey water waste