



## **Wave International's Wavebrite™ SMART offers integrated and intelligent waste water filtration**

### **METSTRADE Stand 03.403**

Boaters are increasingly aware of the need to avoid creating pollution, and now OEMs are able to integrate waste water filtration systems into vessels at the design and build stage, according to environmental and filtration experts Wave International.



The company is displaying its new Wavebrite™ SMART on Stand 03.403. Designed specifically to meet the needs of boat builders and refit yards, this integrated and intelligent waste water filtration system for grey water is contained within a compact single unit which can be easily installed in either engine room or under seating in production boats.

The Wavebrite™ SMART comes complete with separate multifunction display screen which can be remotely mounted for easy viewing, and provides all essential data such as flow rate, daily and total volumes of filtered grey water, and the condition and status of the filters.

Grey water is generated on board vessels by showers, hand basins, washing machines and from the galley. The Wavebrite™ SMART removes all contaminants from onboard grey water (waste water), including plastics and fibres and discharges clean water to meet the EU Waste Water Standard.

Until now, many craft have grey water holding tanks fitted but all too often vessels simply discharge contaminated water overboard, creating unnecessary pollution. Grey water tanks also create extra weight in the boat, increasing the power required to propel them, and thereby further increasing emissions.



With more environmental awareness globally, many vessels now have to prove that they do not discharge pollutants overboard. The Wavebrite™ SMART's intelligent sensor data and display function provides proof and reassurance that all the unit's filter and components are operating effectively, which is particularly important when vessels are in Specially Protected Areas, in marinas or close to shore where emitting polluted water could result in fines.

The input of grey water is controlled by a level switch located in the waste water sump, which comes supplied with the unit. Up to 20,000 litres of grey water can be processed before the main filter needs to be changed, which is indicated by a clear warning signal on the display panel. A QR code enables users to easily access all the unit and filter replacement information. Data available also shows the flow rate, accumulative volume and pressure of grey water filtered over the lifetime of the Wavebrite™ SMART main module, with indicators on the display screen showing if any maintenance is required. For ease of use, the unit's multifunction display screen can be set up in a remote location, such as the helm, or nav station, enabling users to easily see all vital grey water data at a glance.

Paul Gullett, MD of Wave International says "Dealing with grey water is a major issue. The development of the Wavebrite™ SMART is in response to an increasing number of boat builders and users wanting a more integrated system which also shows how much water is being used daily. It is suitable for a wide range of craft from day boats to cruising sailing yachts, right up to superyachts and commercial vessels. This easy to install, compact plug and play unit, which comes as a single package, ensures only clean water to the highest EU standards is emitted overboard. It removes the need to have a separate grey water holding tank, and enables boaters to be confident of maintaining the highest environmental standards wherever they are in the world. Having vessels fitted with grey water filters also benefits many marinas, which may have to pay to get grey water recycled.

Wave International's highly sophisticated filter systems remove toxins, phosphates and pollutants, such as soap, grease, oils, microplastics and fibres from grey water. All of these cause huge amounts of environmental damage. Phosphates encourage rapid algal growth, and when overrun by algae, eco-systems are eventually depleted of oxygen, causing fish and other aquatic life to suffocate. Degreasers found in washing up liquids and soaps strip the natural oils from fish gills making it difficult for them to breathe, whilst microplastics and fibres are now commonly found in the living tissues of marine and freshwater life.

Other products available from Wave International include the Wavebrite Grease Trap, which can be fitted where there is extensive galley and cooking waste, and will remove all solids and grease first, prior to being filtered through the Wavebrite™ SMART, Wavestream bilge water filters, PROStream filters used to filter water prior to going through a watermaker, Flostream drinking water filters and Waveair tank vent filters removing smells and odours from below deck.

**Notes to Editors:**

Dimensions: size 36 x 67 x 33.7 cms – weight 30 kgs

Full technical and installation details for the Wavebrite™ SMART and other Wave products can be found here: <https://www.waveinternational.co.uk/downloads.html>

*More information about Wave International products, this press release and high res images can be found at [www.waveinternational.co.uk](http://www.waveinternational.co.uk) For more information contact Alice Driscoll, Consulting Partners, Tel +44 (0) 7971 019377 or email [alice@consultingpartners.co.uk](mailto:alice@consultingpartners.co.uk) or Paul Gullett, Wave International, [info@waveinternational.co.uk](mailto:info@waveinternational.co.uk)*

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