Wavestream Specifications

Wavestream Micro

Flow rate Max. pressure Max. temperature Min. temperature Connections Cartridge

1 – 40 litres/minute 10 bar 40 deg. C. 1 deg. C. 3/4" BSP

WS-CM





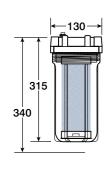
Wavestream 1000

Max. pressure Max. temperature Min. temperature Cartridge

40 deg. C. 1 deg. C. 3/₄" BSP WS-C1

8 bar

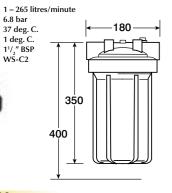




Wavestream 2000

Flow rate Max. pressure Max. temperature Min. temperature Connections Cartridge

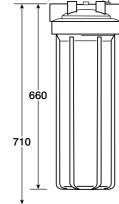
6.8 bar 37 deg. C. 1 deg. C. 1¹/₂" BSP



Wavestream 3000

Flow rate Max. pressure Max. temperature Min. temperature Cartridge

1 - 265 litres/r 37 deg. C. 1 deg. C. 1¹/₂" BSP WS-C3



180 -

Wavestream Stainless Steel

Specification and dimensions vary as each





Literature Code HMI 86/01



A development of world-wide importance which prevents oily bilge water being pumped into the sea

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Phone and ask us if you'd like more help. We're happy to talk through the details of any installation.

Halyard holds ISO9001 Quality Assurance.



All products in this brochure meet the requirements of the Recreational Craft Directive at 1st January 2000.



Quiet vibration-free performance from today's high-revving diesels

WAVESTREAM **BILGE WATER FILTRATION SYSTEM**

A development of world-wide importance which prevents oily bilge water being pumped into the sea



WAVESTREAM BILGE WATER FILTRATION SYSTEM

A development of world-wide importance which prevents oily bilge water being pumped into the sea.

Pilot cutters, yachts, fishing boats, superyachts, patrol craft, canal boats, lifeboats, powerboats, and ferries. All risk polluting their surroundings when they pump out their bilges. Bilge water invariably contains fuel oil, lubricating oil and grease which cannot be separated and is dumped into the seas and rivers of the world. Legislation to prevent this operates in most parts of the world, and is being progressively tightened. The allowable limits for oil in water discharge, currently 15 milligrams per litre, are set by The International Convention for the Prevention of Pollution from Ships (MARPOL), under the secretariat of The International Maritime Organisation, a United Nations agency.

Wavestream ends this. Over the past seven years a new filtration system, based on XOil bonding technology, has been developed for the oil and shipping industries. XOil is a filter material which bonds with oil. It is processed into sheet form and converted into simple filter cartridges which fit easily and neatly into the pipework from bilge pumps. So effective is XOil that each filter cartridge will adsorb 3 times its own weight of oil. So efficient is XOil that even the smallest system will handle 40 litres per minute. So welcome is the technology that the entire BT Global Challenge fleet adopted it. So important is the development that Lloyds Register has given Type Approval to the basic product.

Watermaker protection. The Wavestream filter is ideal for watermaker protection, preventing oils causing fatal damage to delicate reverse osmosis membranes.

WAVESTREAM 2000





WAVESTREAM 3000





Wavestream Micro system

XOil filter technology

Designed for the bilges of day boats, RIBs and small sports boats or where minimal space is available, the Micro unit is easy to connect into the bilge water system, using 3/4" BSP connections. The unit takes a space only 190mm high by 120mm diameter. Filter cartridges can be replaced in seconds.

Oily water is pumped down outside the XOil filter cartridge and the oil is bonded within the filter media. The water travelling up through the centre of the filter, and out of the boat, is almost entirely free from oil. Really

oily bilge water, around 250 milligrams per litre, is generally reduced to below 12 milligrams per litre. Normal bilge water will be reduced to

below 5 milligrams per litre. Serious oil spillages should be dealt with using absorbent pads prior to pumping through the filter. Filter cartridge replacement is explained in the useage instructions. A privately owned

Wavestream 1000 system



Lowds The 1000 system has a larger filter element to cope with the demands of larger pleasure boats up to 20m. 3/4" BSP connections are used, and the flow rate, at 40 litres, is the same as the Micro system but filter cartridge replacement

intervals double. The 1000 system carries Type Approval from Lloyds Register of Shipping.

Wavestream 2000 system

Recommended for large pleasure craft and commercial boats, the 2000 system will handle bilge pump flow rates up to 265 litres per minute with a 117mm diameter filter cartridge and 1 1/2" BSP connections.

Wavestream 3000 system

The 3000 is designed for large commercial craft and ships. It incorporates a massive filter cartridge almost 500mm long, with significantly increased capacity. The flow rate and BSP connectors are common with the 2000 series.

Wavestream Stainless systems

These multi-cartridge systems were born in the oil industry but can be used for even larger vessels than the 3000 system. Each unit is produced to meet a defined need. Details of the flow rates are needed to specify.











