

System 5000 Marine

A complete, compact, plug and play recirculation filtration system [RAS] for use in saltwater applications. Ideally suited for hatcheries, research facilities, retail shops, shellfish holding systems, as well as public aquaria displays and quarantine systems.

- Small space saving design incorporating mechanical, biological and UV filtration, as well as a high-performance venturi driven protein skimmer.
- New energy saving design, with the entire filtration system being run off a single pump.
- Water flow to the livestock tanks supplied via a double pass UV for effective sterilisation.
- Manufactured from high quality polypropylene, PVC and acrylic components, suitable for marine environments.
- Robust, double walled and fully insulated reservoir.
- Can be re-assembled in a matter of hours without any specialist tools.
- Manufactured in the UK.

Included

605 litre pallet reservoir

Mechanical bag filter unit supplied with 100 micron filter bags

FST 5200

Fluidised Sand Filter

TBT 5300 Re-gassing/ Trickling Bio-Tower

PSW 5300 Protein Skimmer incl. internal and external wash kits

440W UV Steriliser AV150 Filtration pump

Available separately

Livestock supply pump

Automatic wash down kits for the Protein Skimmer

Ozone Generator with Redox Controller

Ozone Monitor

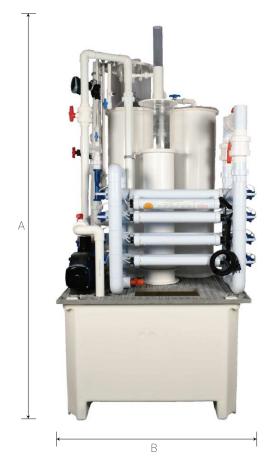
Heater with digital thermostat

UV Bypass

Additional pressurised mechanical filtration

Additional reservoir

Pipe and fittings





Dimensions

- A 2500mm
- **B** 1000mm
- **C** 1200mm
- **D** 750mm

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Typical Filtration Capacity of System 5000 Marine at 26°c

Comparable livestock holding applications			Total tank volume*	Stocking density	Maximum stocking capacity
Ornamentals	Research	Aquaculture			
Display	Larval	Incubation	20m³	<1kg/m³	20kg
Retail	Juvenile	Hatchery	12m³	1-2kg/m³	24kg
Wholesale	Adult	Broodstock	5m³	3-5kg/m³	25kg
	Wet Lab	Nursery	4m³	6-9kg/m³	32kg
		Grow out	2.5m³	10-20kg/m³	50kg
		Shellfish Holding		50kg/m³	500kg

These figures are an approximate overview of the filtration capacity of a standard System 5000. All Calculations based on a feed rate of 2% body weight/day with a 50% protein content.

If the temperature goes down to 19°C the capacity decreases by 10%. [>14°C : 20% > 10°C : 30% >6°C : 40%]

Max flow @30,000uWsec/cm2 = 16m3/hr

Max flow @15,000uWsec/cm2 = 32m3/hr

Larger/smaller UVS can be supplied to suit the flow rate/turnover rate required.

Code	Grp	Product	Optimum system volume at application level 3 (L)	Optimum BioMass at application level 3 for Tropical species	Main Material of Filtration Element Construction	Approx Total Current Draw (A)	Approx Shipping Weight [kg]
7952	FI	System 5000P Marine	5000	25-50	Polypropylene	3.72	On Application

- Freshwater and Marine versions available.
- Smaller and larger complete filtration systems available, as well as fully customised solutions.



Imported and distributed by:



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^{*} Please note the UV steriliser supplied with the System 5000 is a TMC P8 440W Unit [8x 55w lamps] and suitable for the following flow rates: