

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	20m ³	<1kg/m ³	20kg
Retail	Juvenile	Hatchery	12m ³	1-2kg/m ³	24kg
Wholesale	Adult	Broodstock	5m ³	3-5kg/m ³	25kg
	Wet Lab	Nursery	4m ³	6-9kg/m ³	32kg
		Grow out	2.5m ³	10-20kg/m ³	50kg
		Shellfish Holding		50kg/m ³	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%. [$>14^{\circ}\text{C} : 20\% > 10^{\circ}\text{C} : 30\% > 6^{\circ}\text{C} : 40\%$]

* 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:

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.



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