

Biofiltration

System 2500 Freshwater

A complete, compact, plug and play recirculation filtration system (RAS) for use in freshwater applications. Ideally suited for hatcheries, research facilities, retail shops, as well as public aquaria displays and quarantine systems.

- Small space saving design incorporating mechanical, biological and UV filtration, as well as an in line media reactor (suitable for use with media such as carbon).
- 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
- FST5200 Fluidised Sand Tower
- TBT5200 Re-gassing/Trickling Bio-Tower
- In-line Media Reactor
- 330W UV Steriliser
- AV75 Filtration pump

Available separately

- Livestock supply pump
- Heater with digital thermostat
- UV Bypass
- Additional pressurised mechanical filtration
- Additional reservoir
- Pipe and fittings



Dimensions

- A 2350mm
- B 1000mm
- C 1200mm
- D 750mm

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Typical Filtration Capacity of System 2500 Freshwater at 26°C

Comparable livestock holding applications			Total tank volume*	Stocking density	Maximum stocking capacity
Ornamentals	Research	Aquaculture			
Display	Larval	Incubation	10m ³	<1kg/m ³	10kg
Retail	Juvenile	Hatchery	6m ³	1-2kg/m ³	12kg
Wholesale	Adult	Broodstock	2.5m ³	3-5kg/m ³	12.5kg
	Wet Lab	Nursery	2m ³	6-9kg/m ³	18kg
		Grow out	1.25m ³	10-20kg/m ³	25kg

These figures are an approximate overview of the filtration capacity of a standard System 2500 Freshwater. 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%]

* Please note the UV steriliser supplied with the System 2500 Freshwater is a P6 330W Unit (6x 55w lamps) and suitable for the following flow rates:

Max flow @30,000uWsec/cm2 = 12m³/hr

Max flow @15,000uWsec/cm2 = 24m³/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 tropical species	Approx Total Current Draw [A]	Approx Shipping Weight [kg]
7966	FI	System 2500P Freshwater	2500	15-25	Polypropylene	3.28	On Application

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



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