



Performance

FISH MATE pond pumps consistently deliver high flow rates compared to other pond pumps of the same power rating (wattage). The high performance pump turbines are the result of extensive testing and development, driven by a constant striving for the best possible design.



Safety

Safety is the prime consideration for all our pond products. The **FISH MATE** range of pond pumps are all built to the latest international safety standards. Fully encapsulated designs give safe, secure products which you can feel confident to use in your pond.



Reliability

Our rigorous environmental tests have shown that **FISH MATE** pond pumps last significantly longer than our competitors' pumps. Ceramic shaft bearings and patented rotor design give us complete confidence in providing a 3 year guarantee.



Low Maintenance

Unlike many pond pumps, the **FISH MATE** range feature a specially developed strainer filter which will not clog up under normal use. Gone are the days of needing to clean your pump's sponge filter every day! Even in heavily contaminated water a quick shake is often all that is needed to keep your pump running at maximum performance.



Low Running Costs

The true price of a pond pump includes the 'hidden' cost of running it once it is installed. The super-efficient turbine in all **FISH MATE** pumps uses less power (in some cases over 50% less) than other pumps on the market. This is better for the environment and also saves you money.



Pond-life Friendly

FISH MATE pond pumps come pond-life friendly as standard* to help protect small creatures and spawning life.



Solids Handling

For efficient removal of solids from the pond to an external filter, all our pond-life friendly pumps can be easily modified to handle larger solids (see **Pump Feature Quick Reference Chart**).



Fountain Set

All **FISH MATE** pond pumps come complete with a range of fountain options to give the ideal fountain for any situation.

* Excluding 16000 & 22000 pumps

FISH MATE® UV+Bio POND FILTERS

For crystal clear pond water simply install the appropriate **FISH MATE** UV+Bio Pond Filter. Each one comes with our **Clear Water Guarantee***.

Available in both pressurised and gravity models, the **FISH MATE** UV+Bio filter range caters for ponds up to 45000 litres (9000 gallons) with the following features:

- ▶ Combined U.V. and Biological Filtration for crystal clear, purified water
- ▶ Easy to maintain
- ▶ Includes SUPRA Bio Media
- ▶ 3 year guarantee
- ▶ Coloured green to blend in with natural surroundings

* See filter leaflet or carton for full details

A variety of pressurised models are available featuring **Powerclenz** - the patented automatic cleaning system, which enables the filter to be cleaned at the twist of a knob.

Which filter goes with which pump?

The best way to choose a filter and pump combination is to calculate the volume of water in your pond then select the appropriate filter using the recommendations given on the **FISH MATE** filter leaflet/carton. However, for most applications the following recommendations will apply:

Gravity UV+Bio Filters

Maximum Pond Volume	Filter ¹	Pump ²
Up to 1250 litres (250 gallons)	FISH MATE 2500 G-UV	FISH MATE 1800
Up to 2000 litres (400 gallons)	FISH MATE 4000 G-UV	FISH MATE 2000
Up to 3000 litres (600 gallons)	FISH MATE 6000 G-UV	FISH MATE 3000
Up to 5000 litres (1000 gallons)	FISH MATE 10000 G-UV	FISH MATE 5000
Up to 7500 litres (1500 gallons)	FISH MATE 15000 G-UV	FISH MATE 7000

Pressurised UV+Bio Filters

Maximum Pond Volume	Filter ¹	Pump ²
Up to 1250 litres (250 gallons)	FISH MATE 2500 P-UV	FISH MATE 1800
Up to 2500 litres (500 gallons)	FISH MATE 5000 P-UV	FISH MATE 3000
Up to 5000 litres (1000 gallons)	FISH MATE 10000 P-UV	FISH MATE 5000
Up to 7500 litres (1500 gallons)	FISH MATE 15000 P-UV	FISH MATE 9000
Up to 15000 litres (3000 gallons)	FISH MATE 30000 P-UV	FISH MATE 16000
Up to 22500 litres (4500 gallons)	FISH MATE 45000 P-UV	FISH MATE 22000

1. Filter recommendation based on normal stocking levels in partial shade. If you have different stocking levels or have a pond in shade or direct sun, please consult the **FISH MATE** filter leaflet/carton.

2. Pump recommendation based on filter situated at pond side without other flow requirements.



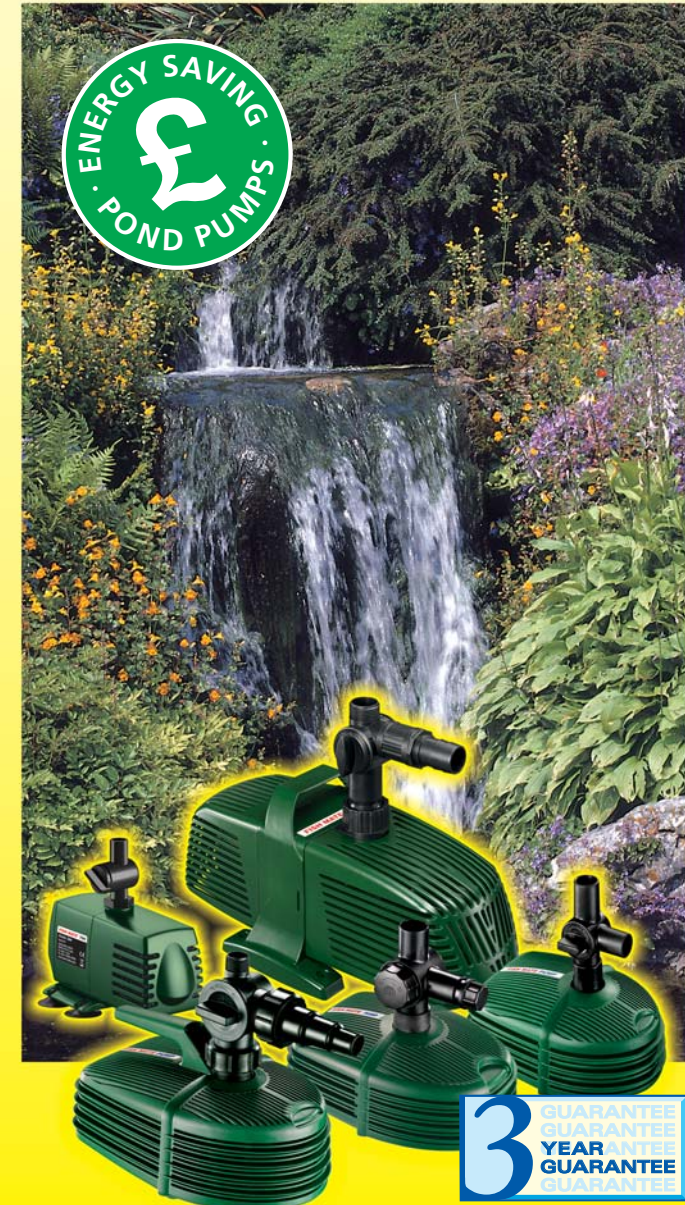
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FISH MATE® POND PUMPS



Bring your pond to life

Pond-life Friendly Quality Pumps

FISH MATE®

POND PUMPS

Why do I need a pond pump?

Adding a pump to your pond opens up a whole world of possibilities. Moving water can transform your stagnant pond into the focus of a beautiful water garden.

A pump will enable you to run a pond filter to help keep your pond water clear and your fish healthy. Attractive fountains, cascades and other interesting water features can all be added if a pump is installed into your pond system. Whatever pond size or setting you have, a pond pump really can bring it all to life!

Why a FISH MATE® pond pump?

FISH MATE pond pumps provide all the versatility and performance you need. Our focus on reliability at every stage of design and manufacture enables us to produce superior quality pumps built to last.

Ease of use and low running costs come as standard, thanks to the simple flow control and super-efficient pump turbine.



All **FISH MATE** pond pumps carry our 3 year guarantee, assuring you of the quality and reliability expected of all **FISH MATE** products.



How to choose the right pump

1. Calculate the required flow

As a rough guide you will need a flow of about 500 litres (110 gallons)/hour for a 1m (40") high tiered fountain plus about 1000 litres (220 gallons)/hour to give a reasonable waterfall for every 10cm (4") of waterfall width. If using a **FISH MATE** filter, the required flow through the filter should be approximately 50% of your pond volume every hour (subject to the maximum flow rating of the filter). Once you have calculated the flow as above we recommend you multiply this as follows to compensate for losses.

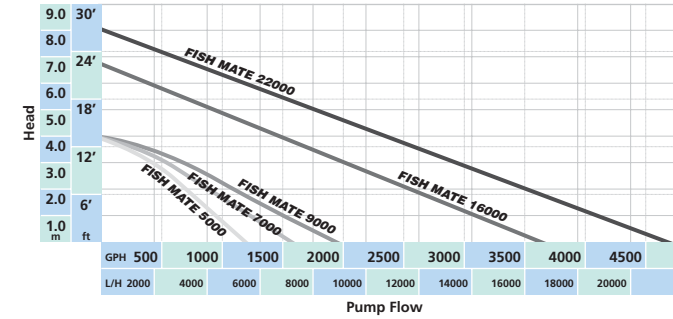
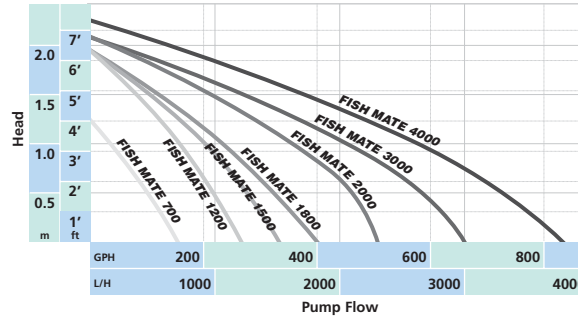
- Hose runs under 6m (20') : x 1.25
- Hose runs over 6m (20') : x 1.5
- Filter losses : x 1.5 (average)

2. Calculate the required "head"

As a reasonable approximation to calculate the required head (pressure), measure the height of the highest outlet above the pond surface.

3. Consult the Pump Selection Charts

Find the point on the charts below, where your figures for flow and head meet. To achieve the flow at that head you will need a pump whose line is above this point.



Example:

You require a 25cm (10") wide waterfall and a small fountain. The waterfall starts 1m (40") above the pond surface.

- 500L/h for fountain + (2.5 x 1000)L/h for waterfall = 3000L/h. Multiply by 1.25 to allow for pipe losses etc. gives 3750L/h required flow.
- Required "head" = 1m (40")
- First consult the top flow chart, (Head 1m, Flow 3750L/h). From the chart the **FISH MATE 4000** pump would not quite have sufficient power and therefore we must consult the flow chart below from which it is clear that the **FISH MATE 5000** would be the preferred choice.

Pump Feature Quick Reference Chart

FISH MATE Pump Models Ref.	700	1200	1500	1800	2000	3000	4000	5000	7000	9000	16000	22000
Maximum Flow	700 l/h (154 GPH)	1200 l/h (265 GPH)	1500 l/h (330 GPH)	1800 l/h (400 GPH)	2200 l/h (480 GPH)	3000 l/h (660 GPH)	3800 l/h (835 GPH)	5500 l/h (1210 GPH)	7100 l/h (1560 GPH)	8900 l/h (1960 GPH)	16200 l/h (3570 GPH)	21500 l/h (4735 GPH)
Maximum Head	1.2m (4' 0")	1.9m (6' 3")	1.9m (6' 3")	1.9m (6' 3")	2.05m (6' 9")	2.05m (6' 9")	2.2m (7' 2")	4.0m (13' 2")	4.0m (13' 2")	4.0m (13' 2")	6.8m (22' 4")	8.1m (26' 7")
Power Consumption (Wattage)	9W	18W	22W	23W	25W	28W	40W	75W	80W	95W	295W	445W
Solids-Handling	-	1mm	1mm	1mm	5mm (³ / ₁₆ "	5mm (³ / ₁₆ "	5mm (³ / ₁₆ "	6mm (¹ / ₄ "	6mm (¹ / ₄ "	6mm (¹ / ₄ "	12mm (¹ / ₂ "	12mm (¹ / ₂ "
Power Cable Length	10m (33')	10m (33')	10m (33')	10m (33')	10m (33')	10m (33')	10m (33')	10m (33')	10m (33')	10m (33')	10m (33')	10m (33')
Dimensions (L x W x H)	140 x 75 x 75mm (5 ¹ / ₂ " x 3" x 3")	160 x 125 x 85mm (6 ¹ / ₄ " x 5" x 3 ¹ / ₄ ")			200 x 150 x 100mm (7 ³ / ₄ " x 5 ³ / ₄ " x 4")			250 x 175 x 135mm (9 ³ / ₄ " x 6 ³ / ₄ " x 5 ¹ / ₄ ")			422 x 192 x 198mm (16 ¹ / ₄ " x 7 ¹ / ₂ " x 7 ³ / ₄ ")	
Aerated Plume											•	•
Fountain Heads												
Bell	•	•	•	•	•	•	•	•	•	•	•	•
Column	•	•	•	•	•	•	•	•	•	•	•	•
Plume	•	•	•	•	•	•	•	•	•	•	•	•
Tiered	•	•	•	•	•	•	•	•	•	•	•	•

