



PondMate Product Range

2013





PondMate Pumps

**Pond Pumps • Bio Filtration
Pond Accessories • Water Garden Lighting**



The PondMate range has been consistently recognised for reliability and value for money over the past 15 years. With one of the most comprehensive aquatic offerings in the market, PondMate also provide a range of water accessories to enhance your outdoor living experience.

Whether you are running a small water feature or a large pond, PondMate has the perfect product to suit your application.

All of our pumps carry a 2 Year 'no fuss' warranty to allow home owners peace-of-mind.



**Pond
Pumps**

Page 4

**Bio
Filtration**

Page 10



**Water Garden
Lighting**

Page 12



Keep an eye out for Kevin - our PondMate frog. He's got plenty of useful tips to create the ideal pond! We've also included a handy Pump Selection Guide on Page 14.





PondMate Pumps

Quick Selection Guide

	Power Consumption (W)	Max Flow (L/min)	Max Head (m)	Outlet (mm)	Cable (m)	Pre-Filter	Flow Control	Suitable for above ground install
Fountain Pumps - FP Series								
PM700FP	10.5	10	1.2	13	10	✓	✓	✓
PM1000FP	17	18	2.0	13/19	10	✓	✓	✓
PM1500FP	20	25	2.0	13/19	10	✓	✓	✓
PM2400FP	40	38	2.4	13/19	10	✓	✓	✓
PM3500FP	70	66	2.75	19/25	10	✓	✓	✓
PM4800FP	90	80	4.5	19/25	10	✓	✓	✓
PM6000FP	130	100	4.0	19/25	10	✓	✓	✓
PM8500FP	226	136	5.5	19/25/32	10	✓	✓	✓
Low Voltage Pumps - PLV Series								
PM350PLV	6	6	0.7	13	5	x	✓	x
PM550PLV	10	9	1.22	13	5	x	✓	x
PM700PLV	10.5	10	1.2	13	5	✓	✓	✓
PM1000PLV	17	18	2.0	13/19	5	✓	✓	✓
PM1500PLV	20	25	2.0	13/19	5	✓	✓	✓
PM2400PLV	40	38	2.4	13/19	5	✓	✓	✓
PM3500PLV	70	66	2.75	19/25	5	✓	✓	✓
Circulation Pumps - P Series								
PM250P	5	3	0.6	13	3	x	✓	x
PM350P	6	6	0.7	13	3	x	✓	x
PM550P	10	9	1.22	13	3	x	✓	x
PM700P	10.5	10	1.2	13	10	✓	✓	✓
PM1000P	17	18	2.0	13/19	10	✓	✓	✓
PM1500P	20	25	2.0	13/19	10	✓	✓	✓
PM2400P	40	38	2.4	13/19	10	✓	✓	✓
PM3500P	70	66	2.75	19/25	10	✓	✓	✓
PM4800P	125	85	4.5	19/25	10	✓	✓	✓
PM6000P	146	103	4.0	19/25	10	✓	✓	✓
PM8500P	226	136	5.5	19/25/32	10	✓	✓	✓
Dirty Water Pumps - DWP Series								
PM6000DWP	150	100	5.0	32	10	n/a	x	✓
PM8000DWP	200	133	7.0	32	10	n/a	x	✓
PM10000DWP	250	166	9.0	32	10	n/a	x	✓
PM15000DWP	200	250	5.0	32	10	n/a	x	✓
PM18000DWP	250	300	6.0	40	10	n/a	x	✓
PM28000DWP	550	466	7.0	50	10	n/a	x	✓
Waterfall Pumps - WF Series								
PM12000WF	160	200	4.5	45	10	n/a	x	✓
PM15000WF	200	250	5.0	45	10	n/a	x	✓
PM18000WF	250	300	6.0	45	10	n/a	x	✓



Fountain Pumps

FP Series



Featuring a powerful and energy efficient rotor, this durable pond pump offers longer operating life and is suitable for both fresh and marine water. Can be used in aquarium, water garden fountain and waterfall applications.

Advantages:

- Durable construction
- Energy efficient
- Optional in-line use
- Encapsulated epoxy resin motor ensures safety, reliability and durability
- Easy installation
- Comes with 10m cable & flow adjuster
- Suitable for non-submersible and salt water
- Each unit individually wet-tested to guarantee reliable operation

Construction:

- Wear-resistant ceramic shaft ensures long life
- More powerful and energy-efficient magnetic rotor
- Thermal protector
- Encapsulated epoxy resin motor ensures safety, reliability and durability

Complete pump kit with fountain heads.

Please Note: Fountain kits will vary depending upon pump models.



Model	Power Consumption (W)	Max Head (m)	Max Flow (L/min)	Total Head (m)										Connection Size Outlet (mm)	
				0.5	1	1.5	2	2.5	3	3.5	4	5			
				Capacity in L/min											
PM700FP	10.5	1.2	10	10	4										13
PM1000FP	17	2.0	18	11	8	6									13/19
PM1500FP	20	2.0	25	18	13	6									13/19
PM2400FP	40	2.4	38	33	28	18	11								13/19
PM3500FP	70	2.75	66	50	41	33	21	11							19/25
PM4800FP	90	4.5	80	73	66	56	50	40	30	21	10				19/25
PM6000FP	130	4.0	100	88	80	66	56	41	30	16					19/25
PM8500FP	226	5.5	136	130	121	110	98	83	73	61	46	16			19/25/32



Low Voltage Pumps

PLV Series

A low voltage, energy efficient pump with flow adjuster, the PLV Series is suitable for both fresh and marine water. Can be used in aquarium, water garden fountain and waterfall applications.

Advantages:

- Durable construction
- Features flow control adjuster
- Energy efficient
- Optional in-line use (For models PM700PLV and above only)
- Easy installation
- Comes with 5m cable
- Suitable for salt water applications
- Each unit individually wet-tested to guarantee reliable operation



PM350PLV

PM550PLV



PM700PLV - PM3500PLV

Construction:

- Wear-resistant ceramic shaft ensures long life
- More powerful and energy-efficient magnetic rotor
- Weather-proof transformer
- Encapsulated epoxy resin motor ensures safety, reliability and durability

Comes with Low Voltage transformer.

Model	Transformer	Transformer Model	Power Consumption (W)	Max Head (m)	Max Flow (L/min)	Total Head (m)				Connection Size Outlet (mm)	
						0.5	1	1.5	2		2.5
Capacity in L/min											
PM350PLV	12V	PMTRANS12VA	6	0.7	6	3					13
PM550PLV	12V	PMTRANS12VA	10	1.22	9	6	3				13
PM700PLV	12V	PMTRANS20VA	10.5	1.2	10	10	4				13
PM1000PLV	24V	PMTRANS30VA	17	2.0	18	11	8	6			13/19
PM1500PLV	24V	PMTRANS36VA	20	2.0	25	18	13	6			13/19
PM2400PLV	24V	PMTRANS60VA	40	2.4	38	33	28	18	11		13/19
PM3500PLV	24V	PMTRANS105VA	70	2.75	66	50	41	33	21	11	19/25



Circulation Pumps

P Series

The PondMate Circulation Pump offers an extensive range, with the ideal pump for the smallest water garden to larger features. Ideal for fountains, water features and hydroponics.

Advantages:

- Durable construction
- Features flow control adjuster
- Energy efficient
- Optional in-line use (For models PM700P and above only)
- Easy installation
- PM250P - PM550P comes with 3m cable
- PM700P - PM8500P comes with 10m cable
- Suitable for salt water applications
- Each unit individually wet-tested to guarantee reliable operation



Construction:

- Wear-resistant ceramic shaft ensures long life
- More powerful and energy-efficient magnetic rotor
- Weather-proof transformer
- Thermal protector
- Encapsulated epoxy resin motor ensures safety, reliability and durability



PM250P



PM350P



PM550PLV



PM700P - PM8500P

Model	Power Consumption (W)	Max Head (m)	Max Flow (L/min)	Total Head (m)									Connection Size Outlet (mm)	
				0.5	1	1.5	2	2.5	3	3.5	4	5		
				Capacity in L/min										
PM250P	5	0.6	3	0.05										13
PM350P	6	0.7	6	3										13
PM550P	10	1.22	9	6	3									13
PM700P	10.5	1.2	10	10	4									13
PM1000P	17	2.0	18	11	8	6								13/19
PM1500P	20	2.0	25	18	13	6								13/19
PM2400P	40	2.4	38	33	28	18	11							13/19
PM3500P	70	2.75	66	50	41	33	21	11						19/25
PM4800P	125	4.5	85	73	66	56	50	40	30	21	10			19/25
PM6000P	145	4.0	103	88	80	66	56	41	30	16				19/25
PM8500P	226	5.5	136	130	121	110	98	83	73	61	46	16		19/25/32



Dirty Water Pumps

DWP Series

Powerful asynchronous water pumps designed to move more water, more efficiently. With strong flow and pumping capacity the patented DWP Series are ideal for large waterfalls, general water circulation and operation of filtration systems.

Advantages:

- Durable construction
- Patented design
- Unique design for multi-way installation and free positioning
- Optional in-line use
- Comes with 10m cable
- Suitable for salt water applications
- Each unit individually wet-tested to guarantee reliable operation

Construction:

- Vortex impeller rotating in one direction for energy efficiency
- Anti-corrosive and wear-resistant ceramic shaft ensures long life
- More powerful and energy-efficient magnetic rotor
- In-built thermostat and fully sealed motor for working reliability and safety
- Encapsulated and epoxy resin motor ensures safety, reliability and durability



Model	Power Consumption (W)	Max Head (m)	Max Flow (L/min)	Total Head (m)							Connection Size	
				1	2	3	4	5	6	7	Outlet (mm)	Inlet (mm)
240V/50Hz	(W)	(m)	(L/min)	1	2	3	4	5	6	7	Outlet (mm)	Inlet (mm)
Capacity in L/min												
PM6000DWP	150	5.0	100	95	85	63	42	21			32	32
PM8000DWP	200	7.0	133	128	125	112	92	63	43		32	32
PM10000DWP	250	9.0	166	160	155	140	132	113	97	70	32	32
PM15000DWP	200	5.0	250	220	195	155	93				40	40
PM18000DWP	250	6.0	300	275	244	211	166	101			40	40
PM28000DWP	550	7.0	466	445	384	325	250	180	97		50	50



Waterfall Pumps

WF Series



Advantages:

- Large prefilter cover results in longer operating life
- Easy to carry handle
- Vertical or horizontal positioning
- Excellent filtration capability
- Strong pump capacity
- Comes with 10m cable
- Suitable for salt water applications
- Each unit individually wet-tested to guarantee reliable operation

Construction:

- Anti-corrosive and wear-resistant ceramic shaft ensures long life
- More powerful and energy-efficient magnetic rotor
- In-built thermostat and fully sealed motor for working reliability and safety



Model	Power Consumption (W)	Max Head (m)	Max Flow (L/min)	Total Head (m)							Connection Size Outlet (mm)
				1	2	3	4	5	6	7	
Capacity in L/min											
PM1200WF	160	4.5	200	180	150	90					40/32
PM1500WF	200	5.0	250	220	195	155	93				40/40
PM1800WF	250	6.0	300	275	244	211	166	101			40/40

KEVIN'S HANDY HINT



Pumps for Waterfalls

Try simulating a flow of water over your waterfall with a garden hose, with someone adjusting the tap until the desired effect is achieved. Next, use a 10L bucket and reading a watch with a second hand, transfer the hose into the bucket and time how long it takes to fill the bucket without adjusting the tap.

Divide the size of the bucket (L) by the time (secs) taken to fill the bucket. Multiply the number by 60 to get litres per minute.

Next you need to measure the height of the waterfall above the pond water. Should your customer require a fountain spray, add 15-20 L/min to the result you obtained above.

Allowances must also be made for filters if the pond is to hold fish.



Bio-Filtration



Pressurised Pond Filters

PF Series

The pressurised EPF Series features an innovative back wash system for suck-in waste automatic removal. Experience cleaner water with PondMate pond filters.

Advantages:

- Easy operation
- Viewable pressure-alarm indicator for regular back washing cleaning & maintenance
- Innovative backwash system
- Optional UV clarifier with superior shatterproof quartz sleeve for better filtration performance
- Each unit individually wet-tested to guarantee reliable operation

Construction:

- Multi-layers of mechanical and biological filtration system containing 60 bio-balls and three layers of bio and filter sponge for removing harmful debris and breeding beneficial bacteria

UV Lamp also available as spare part.



Model	UV Lamp Power	Capacity (L)	Pond Max Flow (L)	Dimensions Inlet/ Outlet (m)			Recommended Pump Qmax (L/hr)	Dimensions (mm)
	(W)			Inlet Tube	Outlet Tube	Waste Outlet		
PM13500PF	-	30	13500	25 32	25 32	40	18000	435x370x642
PM13500PUF (UV Option)	11	30	13500	25 32	25 32	40	18000	435x370x642



Canister Filters

EF Series



The EF Canister Filters are highly reliable and powerful filtering pumps. They offer good performance, lower power consumption and quiet operation.

Advantages:

- Powerful and adjustable flow rate
- Compact, simple installation and leak proof design
- Removable inlet/outlet combo for easy cleaning
- Inlet size is much bigger than outlet size for thorough filtration
- Mechanical, chemical and biological filtration process for maximizing water purification while reproducing beneficial nitrobacteria
- A unique button designed to eliminate manual siphoning and to provide quick start convenience
- Each unit individually wet-tested to guarantee reliable operation

Construction:

- Innovative structure of UV lamp, optional for extra sterilizing

Note: Suitable for indoor use only.



Model	UV Lamp Power	Power	Dimensions Inlet/Outlet (m)		Q Max	Dimensions
			Inlet Tube	Outlet Tube		
220~240V (50Hz)	(W)	(W)			(L/hr)	(mm)
PM2800EF	-	60	25	19	2800	300x300x488
PM2800EFU (UV Option)	11	60	25	19	2800	300x300x488

KEVIN'S HANDY HINT



Why You Need Filtration...

A biological filter is the most common way of keeping a fish pond clean and healthy for your fish. Ponds without filters are usually green and not pleasing to the eye. It is possible to create a clear pond with the use of water plants which add oxygen to the water. However, most pond owners find this system unsuccessful and have problems with plants removing oxygen from the water during night time hours. A biological filter is the way to solve the green water problem.



UV Clarifiers

UV Series



PondMate UV clarifiers effectively prevent the growth of algae and are suitable for both indoor and outdoor use in aquariums and ponds.

The patented, innovative design prevents the glass tube from being damaged by moving debris.

Advantages:

- Innovative spiral design allows the water staying longer time inside the unit to kill the bacteria more thoroughly
- Patented immediately-shown indicator light for confirming in-process working
- Designed and produced according to high safety standard
- Each unit individually wet-tested to guarantee reliable operation

Construction:

- Patented design effectively prevents glass tube from being damaged by any possible incoming dirt with the water flow
- Safe and reliable with safety approved external ballast and critical components



Model	UV Lamp Power	Recommended Pump Qmax	Recommended Pond/ Aquarium Size	Outlet Diameter	Ballast Type
220~240V (50Hz)	(W)	(L/hr)	(L)	(mm)	
PM07UV	7	2200	550~730	20	Safety approved mechanical ballast with 1.8m input cord
PM13UV	11	2850	720~960	20/25/32	Safety approved mechanical ballast with 1.8m input cord
PM18UV	18	3100	780~1050	25/32	Safety approved mechanical ballast with 1.8m input cord
PM36UV	36	5000	1300~1800	25/32	Safety approved mechanical ballast with 1.8m input cord
PM55UV	55	6000	1800~2500	25/32	Safety approved mechanical ballast with 1.8m input cord



Pond Accessories



Water Garden Lights

LED Series

Advantages:

- Long lasting
- Energy saving
- Low maintenance



PMLLED1

Model	Description
PMLLED1	Water garden light. 1W, underwater use only. Transformer included.
PMLLEDTRIO	Water garden lights - set of 3. 1W x 3, underwater use only. Transformer included.



PMLLEDTRIO

PMLIGHTRM3 1

Features:

- Low voltage for safety and energy savings
- Fully sealed with epoxy ensuring safe operation
- Fully submersible
- Angle of the LED light is adjustable
- Light sensor to turn unit on at night and turn it off in daytime automatically
- Comes with solid stand spikes for easy installation
- 5m power cable
- High quality heat resistant glass cover for durability

Model	Description
PMLIGHTRM31	Water garden lights - set of 3. 1 W x 3, underwater use only. Transformer included.



PMLIGHTRM31





Pond Accessories

Water Garden Lights



Water Garden Lights

PSM Series

Advantages:

- Perfectly sealed and waterproof
- Ideal for fountains, aquariums and ponds
- Low voltage (12V for safe use with outdoor transformer)



PMTRIO-35W

Model	Description
PMTRIO-35W	Water garden lights with coloured lenses - set of 3. 35W, underwater use only. Comes with transformer.
PM05T	Water garden light. 5W, underwater use only. Comes with transformer.
PM10T	Water garden light. 10W, underwater use only. Comes with transformer.
PMALU50	Aluminium water garden light. 50W, above or underwater use. Without transformer.
PMALU50T	Aluminium water garden light. 50W, above or underwater use. Comes with transformer.
PMSPOT20	Water garden light with coloured lenses. 20W, above or underwater use. Comes with transformer.
PMSPOT35	Water garden light with coloured lenses. 35W, above or underwater use. Comes with transformer.



PM05T / PM10T



PMALU50T



PMSPOT20 / PMSPOT35





KEVIN'S GUIDE TO CHOOSING A POND PUMP



1. Is the pond in full sun or in the shade?

If the pond is in a sunnier area, it will generally be better for plant growth, but less so for certain fish.

Sunnier areas will generally require more filtration to prevent the water turning green.

2. What size pond pump will you need?

Divide the capacity of your pond (L) by 2 to obtain the average flow required in litres per hour. Then divide the result by 60 to find the average flow in litres per minute.*

E.g. A 6000L pond will require 3000 L/hr flow (50 L/min).

**Note this is only to be used as a guide. Other factors such as the amount of fish/plants in your pond will affect the result.*

If the pump is too large for the pond, it will be noisy, slow down the rate of plant growth and aerate the water excessively. It will also be detrimental to any fish living in the pond.

On the other hand, if the pump is too small for the pond, then there will be patches of stale water, leading to algae growth, bad smells and will not provide enough oxygen for fish.

3. Which of the following best suits your pond?

a) Heavily planted with little or no fish

Will not need as large a flow - Divide total capacity of your pond by **2.5** to obtain average flow required.

E.g. 6000L pond will require 2400 L/hr (40 L/min).

b) Even mix of plants and fish

Will require a standard level of flow - Divide total capacity of your pond by **2** to obtain average flow required.

E.g. 6000L pond will require 3000 L/hr (50 L/min).

c) Little or no plants with plenty of fish

Will require a higher flow rate - Divide total capacity of your pond by **1.5** to obtain average flow required.

E.g. 6000L pond will require 4000 L/hr (67 L/min).



4. Do you want to have a water feature/fountain or waterfall?

Waterfall or fountain applications will generally require higher head and flow rate. Therefore, the typical circulation pond pump may not be suitable. A different model may be required. *E.g. Fountain Pump (FP Series) or Waterfall Pump (WF Series).*

5. Will the pump be submerged in the pond or kept above ground?

All PondMate pumps can be submerged in the pond or installed above ground.

6. Do you want a 240V or low voltage pump?

Low voltage pond pumps are most often used where 240V mains power is a distance away from the pond.

7. How energy efficient is the pump?

A pump with lower power consumption will be most energy efficient at a given flow rate. Compare the power of the pump at its maximum flow (in W).

8. What about filtration?

Don't forget that if a pond is to hold fish, a gravity or pressurised filter will be required. Therefore, allowances must be made for the filter's required flow rate. Filtration also prevents the pond water from turning green. An optimal system should contain both biological and UV filter to maximise the management of the water system.

9. What about Water Garden Lighting?

PondMate has an extensive range of both water garden lights to enhance your pond. For a energy efficient alternative, have a look at our LED light range.



Available from:

www.pondmate.com.au

WHITE INTERNATIONAL PTY LTD

52-60 Ashford Ave Milperra NSW 2214
PO Box 304 Milperra LPO NSW 2214
Phone 02 9783 6000 Fax 02 9783 6001
Customer Service Hotline 1300 783 601
Email Sales: sales@whiteint.com.au
General info: info@whiteint.com.au

www.whiteint.com.au

WHITE INTERNATIONAL NZ LTD

15G Kerwyn Avenue
East Tamaki, Auckland 2013, New Zealand
Phone 09 579 9777 Fax 09 579 7775
Customer Service Hotline 0800 509 506
Customer Service Faxline 0800 804 344
Email Sales: sales@whiteint.co.nz
General info: info@whiteint.co.nz

www.whiteint.co.nz



WHITE
INTERNATIONAL



Disclaimer: Every effort has been made to publish the correct details in this brochure.
No responsibility will be taken for errors, omissions or changes in product specifications.