

Our mission remains to provide our consumers with the means to create a perfect pond simply.

Our unique capability is to harness years of experience in pond keeping to advanced engineering to deliver products that we believe are a class apart in functional performance and ease of use.

This philosophy is summed up by our slogan,

**'perfect ponds made simple'**



www.hozelock.com

## New for 2005

### EasyClear™

#### Clearwater and Fountain Pump

Hozelock Cyprio has driven the aquatics market with innovative products that satisfy real consumer needs and lead to 'perfect ponds made simple'

For 2005 Hozelock Cyprio has taken another great leap forward with the introduction of the EasyClear™ Clearwater and Fountain Pump. This is a truly innovative product that will significantly grow the market by appealing to owners of smaller ponds who do not have a pump or filter and by encouraging millions of potential pond owners to take the step to build their first pond.

The EasyClear™ Clearwater and Fountain Pump is the easy way to have a clear and healthy pond with a fountain. This fully integrated unit has a 2 in 1 action:

#### 1 Clear and healthy water

- The filter sieves out solids that make the water cloudy and makes the water healthy for fish and plants.
- The ultra violet clarifier eliminates green water.

#### 2 Fountain

- The fountain creates a decorative display with a choice of three fountain heads.

The whole unit is easily placed in the water so that there is no need for a filter system outside the pond, which can be difficult to disguise.

Guaranteeing Clearwater for ponds of up to 2000 litres capacity, the EasyClear™ has a multitude of features that make installation, operation and maintenance very easy. See page 16-17 for full details.

The aquatics industry continues to grow and develop and we recognise that the demands on manufacturers and suppliers are increasing accordingly. Product performance and reliability, combined with top rate trade and consumer support, are vital for ensuring the future success of both ourselves and our customers.

Our winning combination of product range and market support has been a major ingredient in the successful generation of sales growth for our customers around the world. This, together with continuous investment in our business, has meant that we can confidently offer the services of a top quality operation.



## A top quality operation



Technical leadership in product research and development with an expert team of engineers and the latest computerised design facilities.



Extensive product testing facilities enable accurate measurement of product performance in realistic conditions.



Large scale manufacturing base. Implementing 'Fail Safe' manufacturing and assembly procedures to ensure product quality.



High service levels with a state of the art distribution centre. The computerised storage system ensures high speed location of product and despatch.



High profile marketing support concentrates on making it easier for the trade to sell Hozelock Cyprio products and easier for the consumer to understand and buy them.



Top quality trade and consumer after sales service ensuring that help is always at hand.

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P e r f e c t P o n d s M a d e S i m p l e

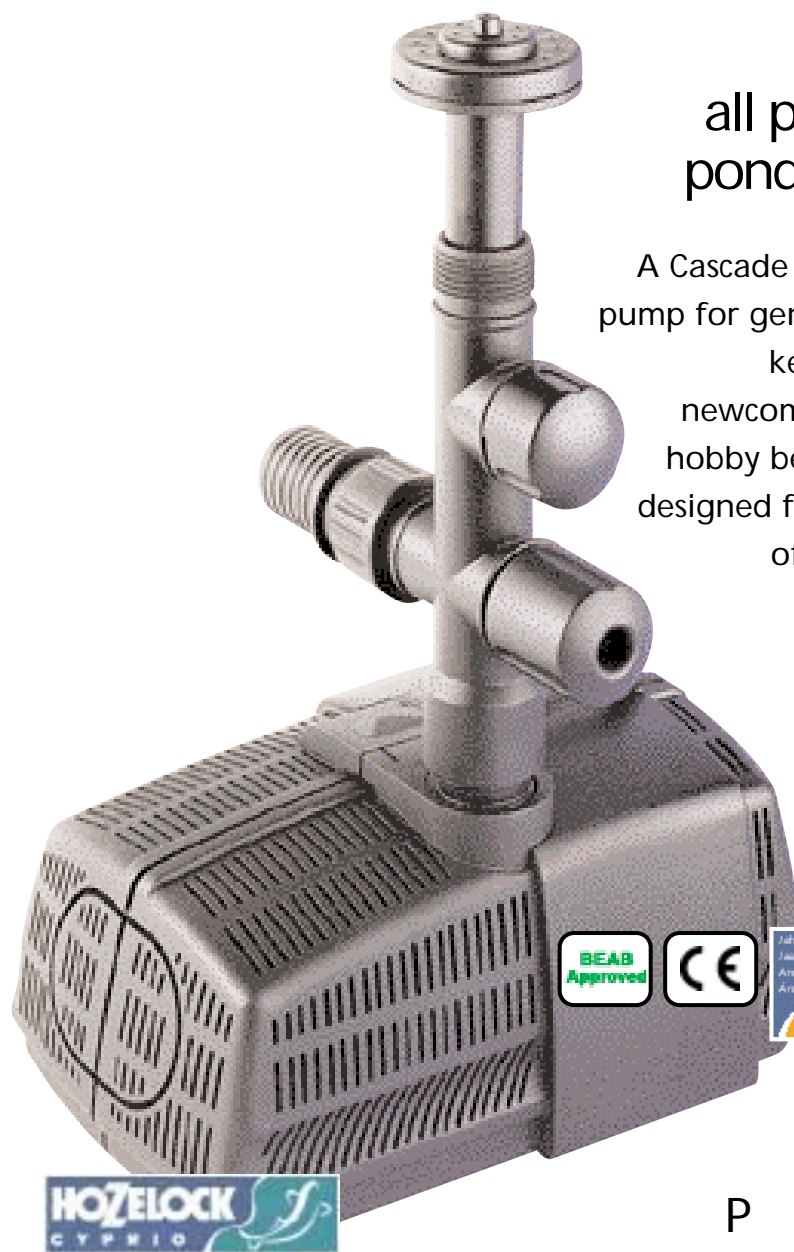




# cascade pumps

Ideal all purpose pond pump

A Cascade is the best pump for general pond keepers and newcomers to the hobby because it is designed for a range of functions



Perfect Ponds Made Simple

## Cascade performance data

Use this guide to help your customers choose which Cascade they need. It is only a guide as, with waterfalls, the flow is affected by the height of the waterfall, diameter and length of hose.

Waterfall figures are based on 2.5metres of 1" dia. hose. (1000-4000 @ head 0.6m, 5500-7000 @ head 0.8m) The length and diameter of hose will affect performance.

## Cascade Performance Data

Model	Max Fountain Height	Bell Jet Diameter	Waterfall Width	Combined	
				Fountain	Waterfall
450	0.63 m (2' 01")	-	-	-	-
700	0.75 m (2' 05")	0.35 m (1' 02")	-	-	-
1000	1.16 m (3' 10")	0.38 m (1' 03")	0.11 m (0' 04")	-	-
1500	1.20 m (3' 11")	0.40 m (1' 04")	0.12 m (0' 05")	0.55 m (1' 10")	0.10 m (0' 04")
2000	1.30 m (4' 03")	0.60 m (2' 00")	0.13 m (0' 05")	0.60 m (2' 00")	0.10 m (0' 04")
3000	1.40 m (4' 07")	0.65 m (2' 02")	0.20 m (0' 08")	1.00 m (3' 03")	0.19 m (0' 07")
4000	1.60 m (5' 03")	0.70 m (2' 04")	0.30 m (1' 00")	1.20 m (3' 11")	0.25 m (0' 10")
5500	3.25 m (10' 08")	0.70 m (2' 04")	0.40 m (1' 04")	2.00 m (6' 07")	0.35 m (1' 02")
7000	3.50 m (11' 06")	0.70 m (2' 04")	0.55 m (1' 10")	2.20 m (7' 03")	0.45 m (1' 06")

Hozelock Cyprio Cascades are a well known world leader selling in hundreds of thousands each year.

They are available in a wide variety of sizes from the 450, for ornaments, to the 7000 which can power a fountain, waterfall, ornament and filter at the same time.

### Use a Cascade for:

**Fountains** - they all come complete with a selection of distinctive spray fountains (except Cascade 450i and 700i) and the Cascade 700 to 4000 with a bell jet.

**Waterfalls** - the Cascade 1000 will give a good small waterfall and the 7000 will give a torrent. Cascades from 1000 up come with a flow controller that enables them to be used for two purposes at the same time.

**Ornaments** - using the flow controller an ornament can be connected in addition to a fountain or waterfall.

**Filtration** - water can be pumped to a filter and back to the pond, direct or down a waterfall. Filtration will be more effective if a Titan solids handling pump is used.

### Key features of Cascade pumps

#### More Performance

Cascades with the UBI multi blade impeller and OMC motor design provide unparalleled performance with low running costs - 4000LPH with 40 Watts power consumption for the Cascade 4000.

#### More reliability

All Cascades from 1000 upwards are unique in using TRF technology to protect the motor from damage. If the pump becomes blocked, this solid state technology switches the motor off until power to the motor is disconnected and the blockage removed.



All Cascades from 2000 upwards use a ceramic shaft and bearings for extra life.

These features allow us to offer a 3 year guarantee with confidence.

### Easy to Use

Easy to clean, anti clog, foam free strainer greatly increases maintenance intervals. When cleaning is required, tool free access and quick release hose connection keeps this simple.

For improved in pond stability, the 700-4000 Cascades have an ultra low centre of gravity and wide base. The 450 outdoor pump comes with optional base plate for stability.

All Cascades, except 450i and 700i, have a complete range of accessories to allow a broad range of uses. Specifically the 1500 - 4000 Cascades now have a 'T' piece with dual flow control, telescopic extension tube, 2 fountain heads, bell jet and a quick release hose connector.

## Cascade LV

Hozelock Cyprio has the largest range of low voltage (LV) pumps. Low voltage Cascades now range from 700 to 4000 litres per hour.

These pumps offer identical performance to the mains versions, but as the power supply to the motor is only 24 volts they offer easy fit DIY installation.

The main features are:

- The mains connection to the transformer is remote from the pond.
- All LV pumps come with 3m of cable, which can be simply extended up to 50m without loss of performance. This cable need not be buried and protected, greatly simplifying installation.
- Click connection for LV supply is simple and reliable.
- Identical features and accessories to the mains Cascades.

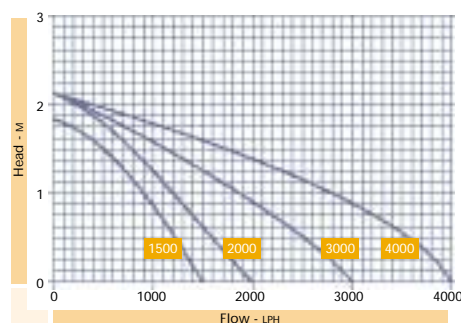
Part Number	Description	Product Bar Code	Pack Qty
3304	Cascade 450i Indoor Pump	50 10646 01893 7	5
3303	Cascade 450 - 230v	50 10646 03129 5	5
3362	Cascade 700i Indoor Pump	50 10646 03570 5	5
3352	Cascade 700 - 230v	50 10646 03576 7	5
3353	Cascade 1000 - 230v	50 10646 03555 2	5
3354	Cascade 1500 - 230v	50 10646 03569 9	5
3324	Cascade 2000 - 230v	50 10646 03081 6	3
3334	Cascade 3000 - 230v	50 10646 03082 3	3
3344	Cascade 4000 - 230v	50 10646 03083 0	3
3350	Cascade 5500 - 230v	50 10646 01115 0	2
3360	Cascade 7000 - 230v	50 10646 01116 7	2
3052	Cascade 700LV	50 10646 03568 2	5
3053	Cascade 1000LV	50 10646 03554 5	5
3024	Cascade 2000LV	50 10646 03078 6	3
3044	Cascade 4000LV	50 10646 03080 9	3





# cascade<sup>TM</sup> pumps

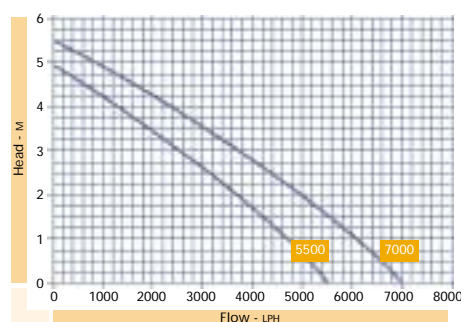
## Technical Data



Cascade 1500, 2000, 3000, 4000  
Cascade 2000LV, 4000LV

High efficiency all purpose pumps for the bulk of water garden uses. Many unique features make these Cascades a best buy.

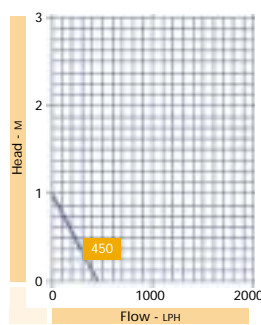
Mains or Low Voltage.



Cascade 5500, 7000

Heavy duty asynchronous motor pumps with high flow and high head. For larger ponds and multiple usage.

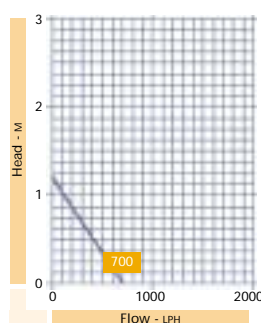
Mains voltage only



Cascade 450, 450i

A pump with high head for small fountains or for use in a water feature. (Indoor and Outdoor versions available)

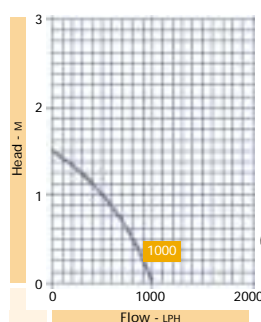
Mains voltage only.



Cascade 700i, 700, 700LV

Ideal pump for a very good fountain in a small garden pond. Also for larger water features, pebble ponds, barrels etc. (Indoor and Outdoor versions available) Excellent performance - higher head than most equivalent flow pumps.

Mains or Low Voltage.



Cascade 1000, 1000LV

Ideal first all purpose pump. Adjustable with 'T-piece' to create a fountain, waterfall or both.

Mains or Low Voltage.

Pump Range	Max Flow (litres per hour)	Flow at (LPH)				Max Head (m)	Watts	Cable Length (m)	Strainer Inlet Area (cm <sup>2</sup> )	Discharge Outlet Size (mm)	Size of Pump			Accessories Included									
		1.0m	1.2m	1.5m	2.0m						Length (mm)	Width (mm)	Height (mm excl. accessories)	Telescopic Extension Pipe	Dual Flow Controller	Flow Controller	2 Tier Jet	3 Tier Jet	Bell Jet	3/4" - 1/2" BSP Adaptor	Stepped Hose Tail (19, 25, 32, 40mm)	25mm Quick Connect Hose Adaptor	Inlet & Outlet Hose Adaptors
<b>Cascade</b>																							
450i (3304)	450	-	-	-	-	1.0	6	1.5	-	12.5	55	45	57										
450 (3303)	450	-	-	-	-	1.0	6	10.0	12.1	12.5	100	45	57										
700i (3362)	700	120	-	-	-	1.2	10	2.0	46.3	12.5	140	87	70	•									
700 (3352)	700	120	-	-	-	1.2	10	10.0	46.3	12.5	140	87	70	•									
1000 (3353)	1000	500	350	-	-	1.5	18	10.0	67.2	25	180	120	110										•
1500 (3354)	1500	900	700	400	-	1.8	20	10.0	67.2	25	180	120	110	•	•								•
2000 (3324)	2000	1200	1125	700	200	2.1	24	10.0	67.2	25	180	120	110	•	•								•
3000 (3334)	3000	1875	1550	1100	300	2.1	30	10.0	67.2	25	180	120	110	•	•								•
4000 (3344)	4000	2800	2300	1700	500	2.1	40	10.0	67.2	25	180	120	110	•	•								•
5500 (3350)	5500	4320	4200	4000	3250	4.9	115	10.0	94.5	25	260	130	160										
7000 (3360)	7000	6140	6025	5650	4090	5.5	175	10.0	94.5	25	260	130	160										
<b>Cascade LV</b>																							
700LV (3052)	700	120	-	-	-	1.2	10	3.0	46.3	12.5	140	87	70	•									
1000LV (3053)	1000	500	350	-	-	1.5	18	3.0	67.2	25	180	120	110										•
2000LV (3024)	2000	1200	1125	700	200	2.1	24	3.0	67.2	25	180	120	110	•	•								•
4000LV (3044)	4000	2800	2300	1700	500	2.1	40	3.0	67.2	25	180	120	110	•	•								•
<b>Titan</b>																							
2000 (1451)	2000	1100	800	150	-	1.6	25	10	146.7	20-40	270	270	165										•
3000 (1452)	3000	2200	2000	1600	800	2.3	40	10	146.7	20-40	270	270	165										•
5500 (1454)	5500	4500	4200	3800	3200	3.8	185	10	146.7	20-40	270	270	165										•
8000 (1456)	8000	6800	6600	6000	5050	4.0	185	10	146.7	20-40	270	270	165										•
12000 (1457)	12000	9000	8400	7500	6000	4.0	200	10	203.2	20-40	340	325	200										•
15000 (1458)	15000	11000	10700	9600	7800	4.2	250	10	203.2	20-40	340	325	200										•
<b>Prima XL</b>																							
3200XL (1411)	4000	3200	3000	2700	2400	4.0	160	10	-	20-40	125	120	270										•
5000XL (1412)	6000	5000	4740	4320	3900	5.0	200	10	-	20-40	125	120	270										•
6000XL (1413)	8000	6250	6000	5700	5100	6.0	260	10	-	20-40	125	120	270										•
9000XL (1422)	9600	9000	8800	8700	8400	7.5	290	10	-	20-40	140	140	240										•
15000XL (1425)	15600	15000	14950	14700	14400	9.6	690	10	-	20-40	140	140	285										•

Part Number	Description	Product Bar Code	Pack Qty
3401	Pump Impeller Spares Kit - 1400, 1400LV (SC 1000)	50 10646 01560 8	5
3405	Pump Impeller - 1500, 2000LV (pre 2000)	50 10646 00854 9	5
3408	Pump Impeller - Cascade 2000, 2000LV, 3000, 3000LV	50 10646 03219 3	5
3410	Pump Impeller Spare - Cascade 600 (SC 100)	50 10646 00957 7	5
3411	Pump Impeller - Cascade 4000, 4000LV	50 10646 03217 9	5
3412	Pump Impeller - Maxima 1800	50 10646 03274 2	5
3413	Pump Impeller - Maxima 2400, 3000	50 10646 03216 2	5
3417	Pump Impeller - Cascade 700, 700LV, 700i	50 10646 03582 7	5
3418	Pump Impeller - Cascade 1000, 1000LV, 1500, 1500LV	50 10646 03581 0	5
3420	Filter Sponge Cascade 600 (SC 100)	50 10646 01224 9	5
3423	Filter Sponge Cascade 1500, 2000 (pre 2000)	50 10646 01222 5	5
3424	Filter Sponge Cascade 3000, 4000, 6000 (pre 1999)	50 10646 01223 2	5
3425	Filter Sponge Cascade 1400 (SC 1000)	50 10646 01561 5	5
3427	Dual Flow Controller and Quick Connector	50 10646 03213 1	5
3428	Fountain Kit for Cascade 450, 600, 700	50 10646 01932 3	5
3429	Fountain Kit for Cascade 1000, 5500, 7000	50 10646 04006 8	5
3430	Fountain Kit for Cascade 1500 - 4000	50 10646 04007 5	5
3592	Low Voltage Cable 7.5m	50 10646 00937 9	5
3595	Low Voltage Cable 15m	50 10646 00936 2	5
3596	'T' Connector	50 10646 01017 7	5
3863	Low Voltage Transformer (60VA)	50 10646 00965 2	1
3907	Fountain Stem Extension	50 10646 01205 8	5



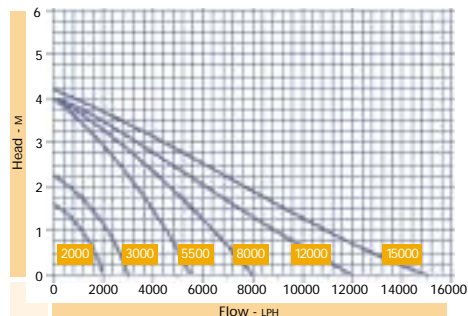


# titan<sup>®</sup> pumps

Solids handling pump  
for waterfalls and  
filtration



www.hozelock.com



The pages that follow, on filtration, explain in detail how a solids handling pump fits in with the whole Cyprio filtration philosophy that has so successfully kept ponds clear for 20 years.

Get the polluting solids out of the pond into a filter where they help the growth of beneficial bacteria and can also be much more easily collected and disposed of. Titan pumps are specifically designed for this purpose.

### Use a Titan for:

In addition to filtration, Titans are also excellent pumps for waterfalls and watercourses. This is because they can pump high volumes of water in continuous use, with high resistance to clogging.

Of course, many customers will take pond water to a filter and then back to the pond via a waterfall. This is particularly attractive with Bioforce filters as the water leaves the filter under pressure and so can be run up to the waterfall, leaving the Bioforce hidden below.

### Key Features of Titan Pumps

The Titan range has been specifically designed for continuous running with minimum cleaning. Titans have the ability to pump solid particles up to 10mm without blocking (4mm with Titan 2000, 3000 - 8mm with 5500 and 8000 - and 10mm with 12000 and 15000). They are suitable for filtration, waterfalls and watercourses.

### More Performance

The large intake slots at the base of the pump minimise obstruction to solid particle migration and are specifically placed at the base of the pump in order to collect solids from the floor of the pond. This design maximises the effectiveness of the pump for filtration.

All Titans have unidirectional rotation to maximise pumping efficiency, with open impellers to provide the solids handling capability. (Solids Handling System - SHS)

### Titan Performance Data

Model	Max Flow	Max Head	Flow @ 1m	Solids Handling Range	Waterfall Width @ 0.6m	Waterfall Width @ 1m	Hose Diameter
2000	2000LPH (440GPH)	1.60 m (5' 03")	1100 LPH (250GPH)	0 - 4 mm	0.10 m (0' 04")	0.08 m (0' 03")	20 - 40 mm
3000	3000LPH (660GPH)	2.30 m (7' 06")	2200 LPH (500GPH)	0 - 4 mm	0.18 m (0' 07")	0.15 m (0' 06")	20 - 40 mm
5500	5500LPH (1210GPH)	3.80 m (12' 06")	4500 LPH (1000GPH)	0 - 8 mm	0.36 m (1' 02")	0.29 m (1' 00")	20 - 40 mm
8000	8000LPH (1500GPH)	4.00 m (13' 02")	6800 LPH (1500GPH)	0 - 8 mm	0.48 m (1' 07")	0.38 m (1' 03")	20 - 40 mm
12000	12000LPH (2600GPH)	4.00 m (13' 02")	9000 LPH (2000GPH)	2 - 10 mm	0.99 m (3' 02")	0.83 m (2' 07")	20 - 40 mm
15000	15000LPH (3300GPH)	4.20 m (13' 09")	11000 LPH (2400GPH)	2 - 10 mm	1.23 m (4' 00")	1.07 m (3' 05")	20 - 40 mm

The Titan 2000 & 3000 use the motor from the mid range Cascades providing unparalleled performance with low running costs.

The larger Titans use heavy duty, asynchronous motors. These use stainless steel rotor sleeving to increase magnetic coupling for maximum performance.

### More reliable

Titans are designed to work in the most demanding of pond environments and have to cope with continuous operation, pumping water laden with solid material. The special design of these pumps ensures that they can confidently be offered with a three year guarantee.

All Titans are unique in using TRF protection to prevent motor damage.

All Titans use ceramic shaft and bearings throughout for maximum life.

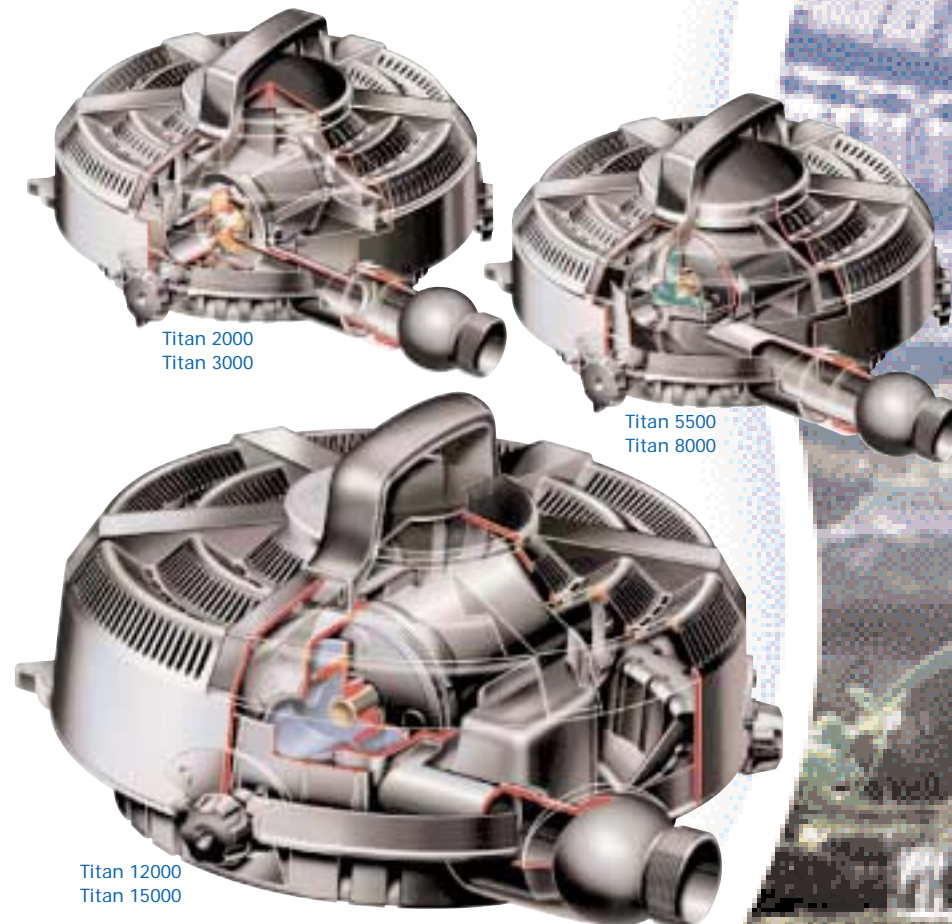
### Easy to use

The Titan range is a new generation of solids handling pumps, with unique features to maximise ease of use;

- Each Titan incorporates an anti clog cage.
- In order to ensure the safety of small aquatic life at spawning time the Titan features a unique Wildlife Protection System (WPS). Just slide the lever on the side of the pump to close the intake slot holes down to as small as 2mm.
- The hose can be positioned to lie along the bottom of the pond in any direction from the pump. The inclusion of a ball joint on the pump outlet now makes this even easier.
- Tool free access when maintenance is required. Extra secure locking latches have been added to the cages to hold the pump firmly together yet still allow tool free access.

### Guarantee

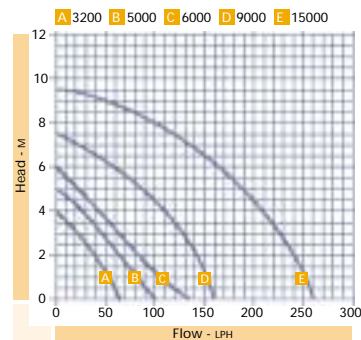
Titan pumps are guaranteed for 3 years continuous use.



Part number	Description	Product Bar Code	Pack Qty
1451	Titan 2000	50 10646 03250 6	2
1452	Titan 3000	50 10646 03084 7	2
1454	Titan 5500	50 10646 03085 4	2
1456	Titan 8000	50 10646 03086 1	2
1457	Titan 12000	50 10646 03677 1	1
1458	Titan 15000	50 10646 03678 8	1
1470	Titan Outlet Adaptor (20 - 40mm)	50 10646 03212 4	1
1460	Titan 2000 Impeller	50 10646 03211 7	5
1461	Titan 3000 Impeller	50 10646 03210 0	5

P e r f e c t P o n d s M a d e S i m p l e





**Prima XL Performance Data**

Model	Max Flow	Max Head	Flow @ 1.2m	Solids Handling Range	Waterfall Width @ 1m	Waterfall Width @ 2m	Hose Diameter
3200 XL	4000LPH (880GPH)	4.0 m (13' 01")	3200LPH (704GPH)	0 - 8 mm	0.22 m (0' 09")	0.16 m (0' 06")	20 - 40 mm
5000 XL	6000LPH (1320GPH)	5.0 m (16' 05")	5000LPH (1100GPH)	0 - 8 mm	0.34 m (1' 01")	0.26 m (0' 10")	20 - 40 mm
6000 XL	8000LPH (1760GPH)	6.0 m (19' 08")	6250LPH (1375GPH)	0 - 8 mm	0.42 m (1' 05")	0.34 m (1' 01")	20 - 40 mm
9000 XL	9600LPH (2112GPH)	7.5 m (24' 07")	9000LPH (2000GPH)	0 - 10 mm	0.61 m (2' 00")	0.57 m (1' 10")	20 - 40 mm
15000 XL	15600LPH (3432GPH)	9.6 m (31' 06")	14000LPH (3432GPH)	0 - 10 mm	1.01 m (3' 04")	0.97 m (3' 02")	20 - 40 mm

# prima xl pumps

Prima XL pumps are high pressure, solids handling pumps, designed specifically to pass large solids, up to 10mm in size, from the pond to a biological filter

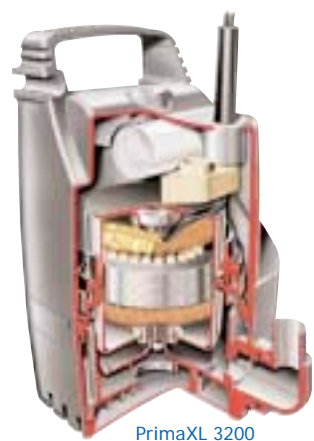
Prima XL pumps are designed to have the power to pump high volumes of contaminated water through the restrictions encountered in most filter systems.

Prima XL pumps have a powerful 230volt motor, which is cased in a protective stainless steel case for reliability. With a ceramic sleeve rotating on a triple lip sealed shaft, the working parts are designed to give continuous optimal performance well beyond the two year guarantee. To aid installation, the Prima XL can be placed flat on the bottom of the pond or in an upright position.

Two large Prima XL pumps were added to the range in 2001; Prima XL 9000 and Prima XL 15000. These pumps are available with an optional float switch that will turn the pump off if the water drops below a certain level.

The Prima XL pump range complements the range of conventional Green Machine biological filters, with capacities ranging from 6500 litres up to 27000 litres.

To make pump selection easier Prima XL pumps are all rated at 1.2m (4ft) to allow for flow losses due to a UVC, a spray bar, pipework, and allowance for lift up to a filter.



PrimaXL 3200

Part number	Description	Product Bar Code	Pack Qty
1411	Prima XL 3200	50 10646 02820 2	1
1412	Prima XL 5000	50 10646 02821 9	1
1413	Prima XL 6000	50 10646 02822 6	1
1422	Prima XL 9000	50 10646 03092 2	1
1423	Prima XL 9000 Auto	50 10646 03100 4	1
1425	Prima XL 15000	50 10646 03096 0	1
1429	Prima XL 15000 Auto	50 10646 03102 8	1
1424	Prima XL Base Adaptor	50 10646 02946 9	1



## clearwater systems

We have been guaranteeing clearwater for over 21 years



### The Hozelock Cyprio Pedigree in Pond Management

Our filtration pedigree stretches back to 1982, when Cyprio was formed, based on a combination of specialist expertise in industrial water treatment and a passion for fishkeeping. Cyprio was the first company to introduce mass produced 'black box' filters, and UVCs for fishkeepers. Cyprio then led the way to introduce the Clearwater Guarantee and remains the only company to confidently back this up.

In 1997, when Cyprio was acquired by Hozelock, these strengths in natural water cleaning were combined with the technological strengths of Hozelock built up over 40 years.

### Proven, Practical Technology that works

Hozelock Cyprio has the largest and most advanced pond testing facility. Results from this have shaped the development of successive ranges of filters, pumps and UVC's, building a bank of experience which is unrivalled in the industry.

