



WHITE
INTERNATIONAL

Australia Sales 1300 783 601

New Zealand Sales 0800 509 506

2007 Retail Pricelist

Effective 1 April 2007

saturn



new for 2007

saturn™

a range of high-tech filtration products



Hozelock Cyprio is a leader in the innovation of aquatic products and has a long heritage and specialist knowledge of koi pond filtration systems. The company is committed to rapidly expanding the international aquatics market through the introduction of new products and for 2007 is launching the patented Saturn range of innovative high-tech filters.

Equipped with features normally found on professional filtration systems, the Saturn filtration range combines innovative auto-cleaning technology and patented Kaldnes™ Moving Bed Technology to minimise filter maintenance and provide extra pure water. Kaldnes™ is revered by fishkeepers around the world and is recognized for its efficiency in biological filtration systems.

At the heart of the system lies the Saturn Booster™, a unique auto-cleaning, high-tech mechanical pre-filter, which fits onto nearly all pump-fed filter systems.

It has been designed as a unique mechanical pre-filter which efficiently and continuously removes particles of waste from the pond. Once the Booster has

removed the waste, the water is passed onto the previously existing filter allowing it to operate more effectively to produce 30% extra pure water. At the same time the cleaning is halved, which means the life of the foams is doubled and the whole cleaning task requires only half the effort. The Booster has in-built auto-cleaning technology using a backflow system so that it can continuously operate. The waste removed by the Booster is simply flushed out by opening a valve without getting wet or dirty hands.

Building on the success of the unique and award winning EasyClear™ Clearwater and Fountain Pump, which was launched in 2005, this new model combines with it to develop a brand new, rapidly growing market sector. These products are targeted at consumers looking for single easy-to-install product that meets all their fountain, waterfall and clear water requirements.

The new EasyClear™ Clearwater, Fountain and Waterfall Pump incorporates all the features of its smaller counterpart but in addition it is capable of running a

waterfall. With integrated UVC, mechanical filter and biological filter it is suitable for medium sized ponds with up to 4000 litres capacity. It can create a fountain, waterfall or combination of both with easily accessible twin flow controls to adjust the size of the fountain and waterfall independently.

A key selling point of the EasyClear™ is the fact that the whole unit is placed in the water so that there is no need for a filter system outside the pond, which can be difficult to disguise. The new larger EasyClear™ has the same foot print as the EasyClear™ Clearwater and Fountain Pump. It has a height of 370mm which can be easily hidden below the water surface in shallower ponds. For deeper ponds, fountain stem extensions are available, avoiding the need to mount the new EasyClear™ on a platform.

With an ability to run a waterfall the new EasyClear™ has a 4 in 1 action as opposed to the 3 in 1 filter and fountain action of the smaller product.

+30%
Extra water
purity



1/2
The filter
cleaning



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Fits onto nearly all pump fed filter systems

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Saturn Booster

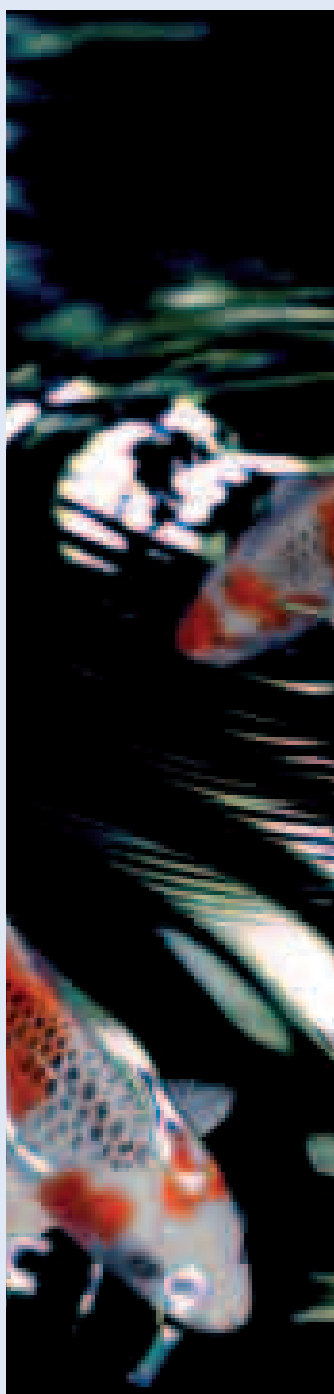


Easy Clear



Saturn booster™

unique auto-cleaning mechanical pre-filter



Over the last three years, behind closed doors, Hozelock Cyprio design engineers have been busy developing a new innovative filtration range incorporating advanced auto-cleaning technology. The new Saturn filtration range is the largest investment in Hozelock Cyprio's history and will shape the future of pond filtration. The Saturn range will build on Cyprio's heritage in koi pond filtration by offering fish enthusiasts filters of the highest quality, incorporating unique patented technology to deliver the best performance available.

Why are we so confident? Saturn products have undergone rigorous testing both at our R&D facilities in the UK and on a variety of ponds throughout the world over the last two years. The Saturn filtration range will deliver crystal clear water, active healthy fish and, perhaps most importantly, all at a minimal maintenance effort.

Unique Auto Cleaning Technology

Dirty water from the pond is pumped into the Saturn Booster™ and spun around a circular polyester gauze filter. Particles are trapped by the filter gauze and then removed by a rotating jet, which is located inside the filter to constantly clean the filter (from the inside). Dislodged particles fall into a large debris collection area at the bottom of the unit. Clean water passes through to the existing biological filter.

Boosting Water Purity

The introduction of the unique Saturn Booster™ allows the existing filter to operate as a far more effective biological filter, which 'boosts' the removal of harmful soluble pollutants. This improved water purity 'boosts' the health and activity of the fish and also allows more fish to be safely introduced to the pond.

Toxic waste is continuously removed from the pond and stored away from the flow of the water to avoid further water contamination.

Significantly Reducing Maintenance

The sludge collects at the base of the product and is easily removed by raising the 'flush-away' handle without getting wet or dirty hands. Being pressurised by the pond pump, the sludge can be pumped uphill to a drain.

The inclusion of the self-cleaning Saturn Booster™ will significantly reduce the maintenance of the existing filter.

The Saturn Booster™ can be partially buried and sited next to the pond and be used in conjunction with nearly all pump fed filter systems.



Fits onto nearly all pump fed filter systems

Unique Auto-Cleaning Technology

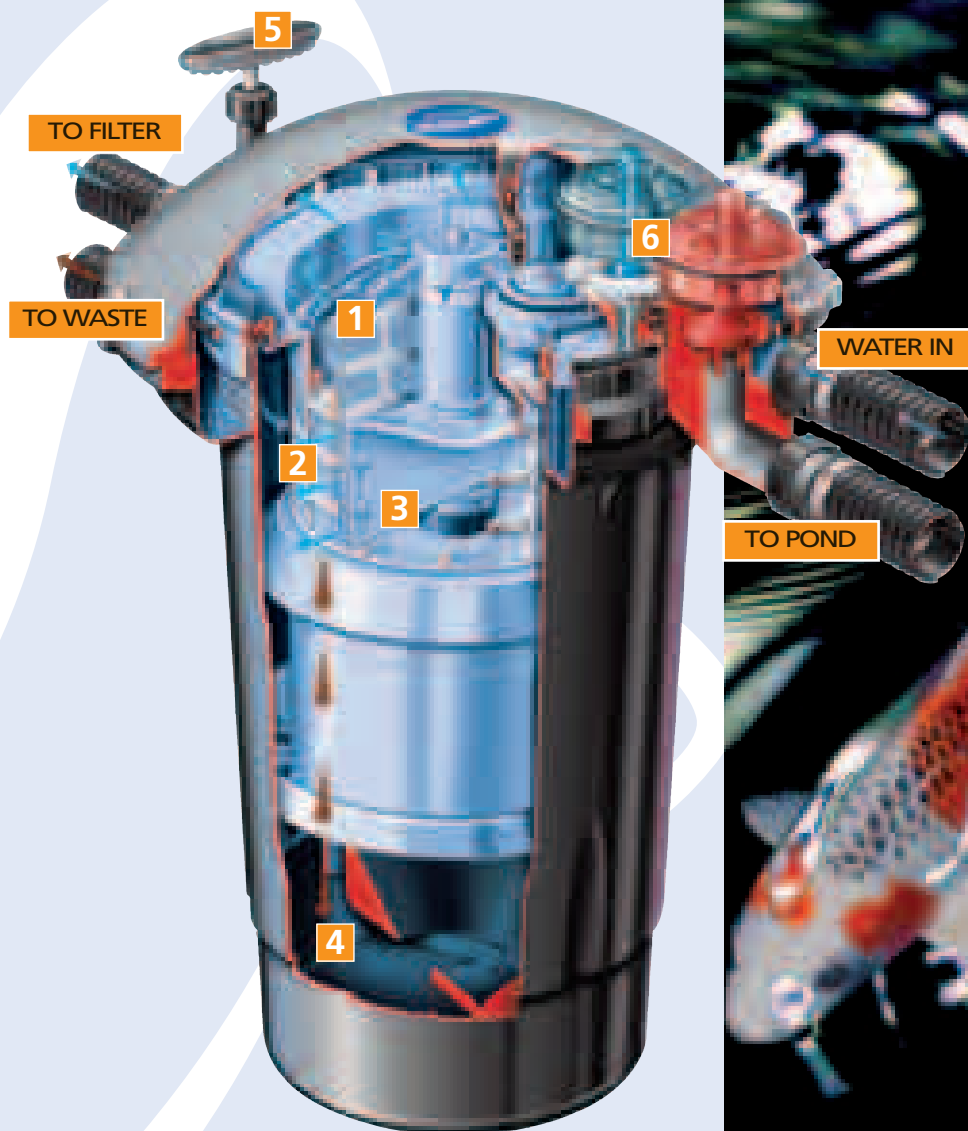
- 1** Dirty water from the pond is pumped into the Saturn Booster™ and spun around a polyester gauze filter.
- 2** Large particles are trapped by the gauze filter as water passes through it.
- 3** A rotating jet spray, located inside the filter, constantly cleans the gauze from the inside.
- 4** The particles, washed off the gauze by the rotating jet collect at the bottom of the unit.

No more wet and dirty hands

- 5** To remove the waste, simply pull the ergonomic flush-away handle without getting wet or dirty hands.

Self-Regulating Filter

- 6** Innovative self-regulating pressure sensitive valves allow the filter to continue operating even in the harshest pond environments.



+30%
Extra water
purity



1/2
The filter
cleaning

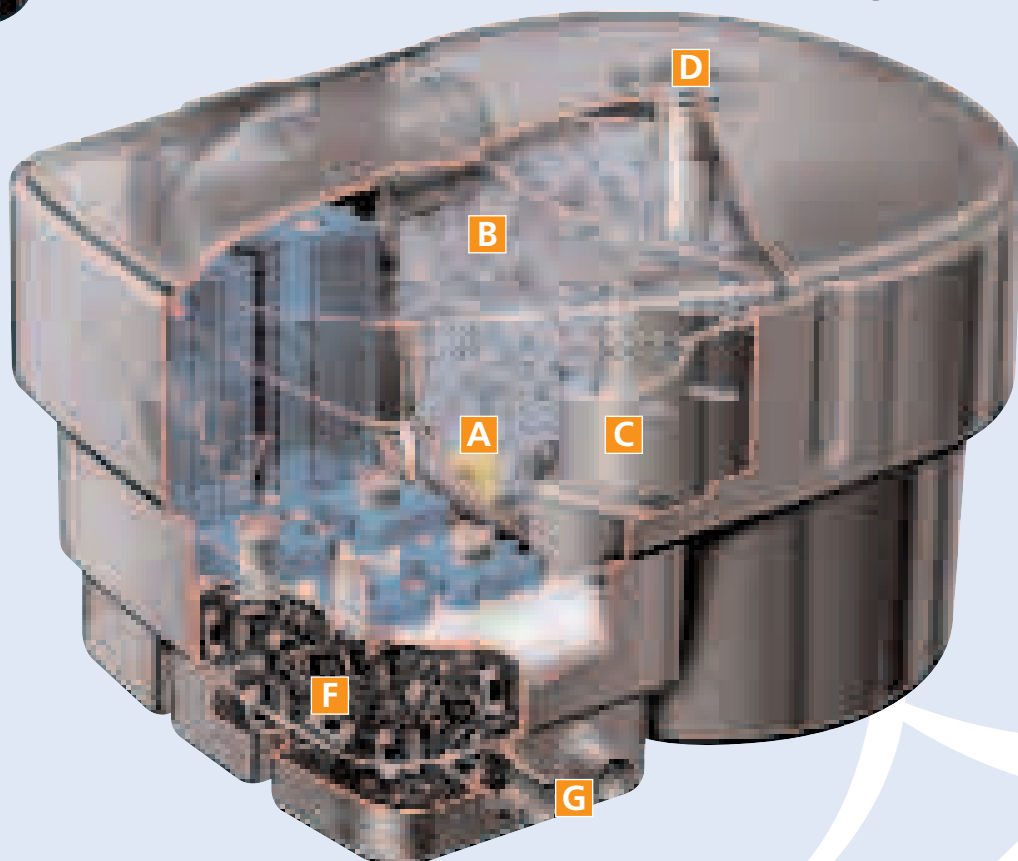
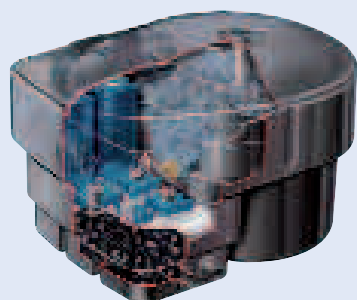


Saturn Booster Performance & Technical Data

Max Flow Rate (through filter)	Min Flow Rate (through filter)	Watts	Cable Length	Product Dimensions
8000LPH (1600 GPH)	3500LPH (770 GPH)	110w	10m	730mm (H) x 495mm (W) x 495mm (L)
Part number	Description	Product Bar Code	Pack Qty	List Price
AQU1560	Saturn Booster	50 10646 04257 4	1	\$727.23

trinamic™

High-performance biological filters for heavily stocked fish and koi ponds up to 20,000 litres (5,000 gallons)



The Trinamic delivers excellent water purity for healthier and more active fish. As the name suggests, this is a 'three stage process' incorporating a 'dynamic' moving bed of Kaldnes K3 biomedica.

Stage 1 Moving-bed biological filtration for healthy fish

A The water enters the filter at high velocity and spins unique Kaldnes K3 biomedica chaotically around the bio-module. A venturi introduces oxygen to the water.

B The beneficial bacteria growing on the inside and outside of the K3 biomedica

thrive in an oxygen-rich environment and breakdown harmful soluble pollutants at a very efficient rate. Should sludge collect in the K3 bio-module it can be easily flushed to waste via the sludge drain.

The Trinamic filters can support the same amount of fish as much larger filters but are much easier to hide near the pond.

Stage 2 Fine foams for crystal clear water

C Water passes evenly through a perforated plate and into a series of fine foams, which remove solid matter.

D An indicator alerts the user when the foams need to be cleaned.

E Once cleaned away, any remaining sludge from the foams can be flushed away via a sludge drain at the end of the filter. (not shown)

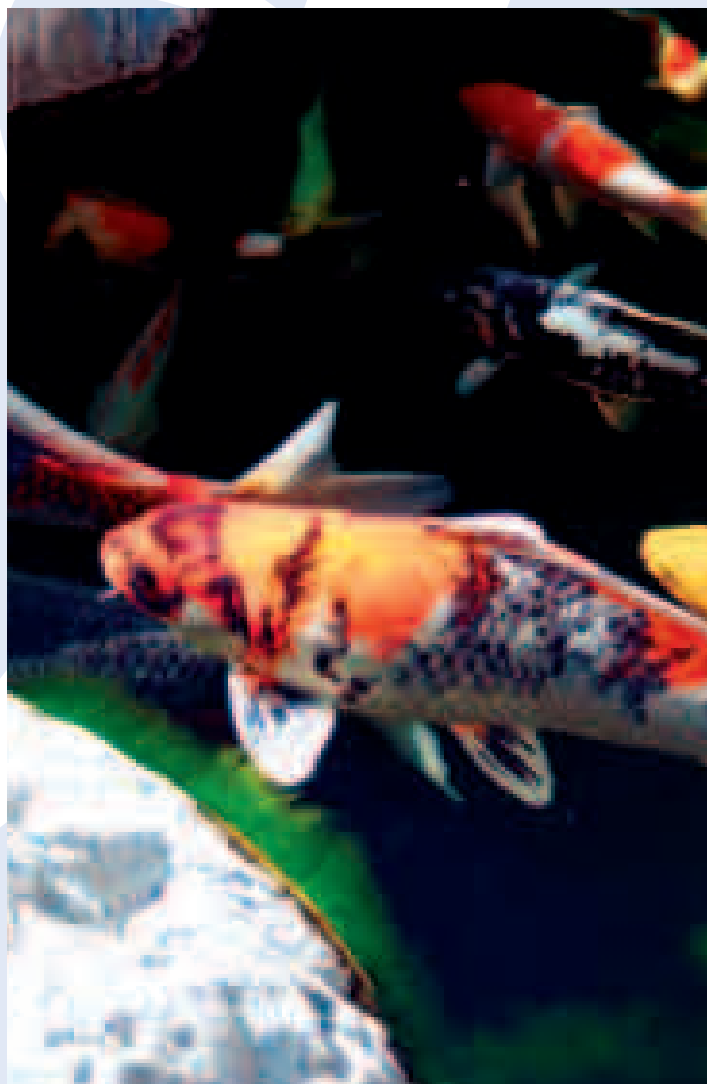
Stage 3 Denitrifying bacteria provide an important second biological process

F Below the foam water passes through denitrifying bacteria, which grow on Cypripak biomedica in a dark still environment.

G Clean healthy water is then returned to the pond.

trinamic+™

Complete advanced filtration systems for heavily stocked ponds up to 20,000 litres (5,000 gallons)



The Trinamic+ is a complete advanced filtration system for large fishponds combining a Trinamic filter with a Titan solids handling pump and Vorton ultra-violet clarifier.

Dirty water is pumped from the pond through the Hozelock Cyprio Vorton UVC to flocculate algae. The rotating inlet of the Vorton UVC makes it very easy to attach the hose from the pond. The Vorton firmly attaches to a robust rigid metal plate, which connects to the top of the Trinamic vessel. The outlet of the Vorton UVC attaches directly to the inlet of the Trinamic.



Trinamic Filters Performance Data

Model	Max Litres (Max Gallons)	Max Fish CM (Inches)	LPH (GPH)	UVC		
Trinamic 12500	12500LTR (3000 GALS)	900 cm (29' 06")	6800 LPH (1500 GPH)	Vorton 18000* (18w)	Titan 8000	40 mm
Trinamic 20000	20000 LTR (5000 GALS)	1400 cm (45' 11")	9000 LPH (2000 GPH)	Vorton 27000* (22w)	Titan 12000	40 mm
Trinamic+ 12500	12500LTR (3000 GALS)	900 cm (29' 06")	6800 LPH (1500 GPH)	Vorton 18000 (18w)	Titan 8000	40 mm
Trinamic+ 20000	20000 LTR (5000 GALS)	1400 cm (45' 11")	9000 LPH (2000 GPH)	Vorton 27000 (22w)	Titan 12000	40 mm

*Not supplied

Part number	Description	Product Bar Code	Pack Qty	List Price
AQU1565	Trinamic 12500	50 10646 04348 9	1	\$1554.50
AQU1566	Trinamic 20000	50 10646 04349 6	1	\$2124.50
AQU1567	Trinamic+ 12500	50 10646 04350 2	1	\$2921.77
AQU1568	Trinamic+ 20000	50 10646 04351 9	1	\$3743.59
AQU1569	12500 Foam Set (x3)	50 10646 04354 0	1	\$62.68
AQU1570	20000 Foam Set (x3)	50 10646 04355 7	1	\$93.59



bioforce®

Improved, compact, and highly effective pond filters now with Easy Clean capability

New improved range with higher pond size ratings, now with Kaldnes K3™ biomedica and reduced cleaning



Bioforce is being relaunched with the range comprising four compact Bioforce UVC filters for 3000 5500 8000 and 12000 litre ponds. All Bioforce sizes have been improved with the following features for high performance and ease of use:

Mechanical Filtration

More efficient and less cleaning:

- “Through-flow” coarse foams reduce filter cleaning frequency.
- Profiled foams present a larger surface area for the efficient removal of waste.
- Layered foams make thorough foam cleaning easier.

Biological Filtration

Increased biological capacity

We have improved biological filtration by adding Kaldnes K3™ bio media exclusive to Hozelock Cyprio filter systems. Kaldnes™ is scientifically proven and in widespread use in industrial water purification processes. As a result,

it has vastly superior biological capacity compared to other biomedica used in pond filtration.

Increased biological activity

When using the new “backflush” facility, water flow through the Kaldnes™ biomedica removes loose debris and old less active bacteria, stimulating bacterial activity as a result.

UVC- for the efficient removal of green water

UV efficiency

We only use maximum efficiency quartz sleeves in our UVC system, which allow 87% UV efficiency for treating algae, compared to 30% and 50% for glass and plastic respectively.

High-efficiency single-ended UV lamps and an in-built water “turbulator” ensure maximum water treatment and the elimination of green water

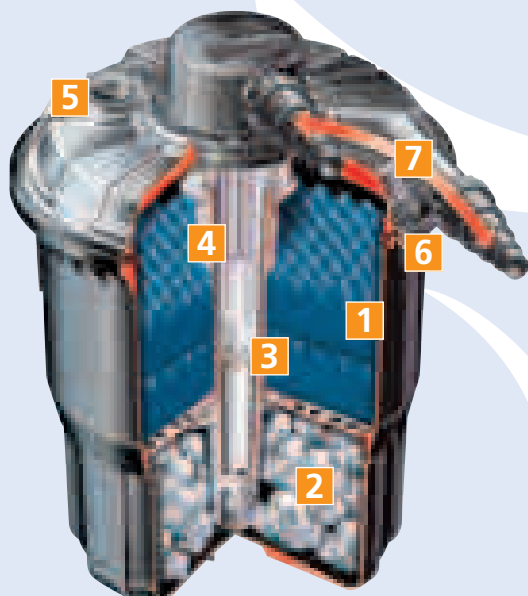
Bayonet fitting of the UVC lamp allows quick cleaning and lamp change as required

UV viewing point

Bioforce is now equipped with a specially designed indicator so that the user can safely see if the UV lamp is switched on and functioning

Easy Cleaning

The range now has an Easy Clean “backflush” facility for flushing debris out of the filter thereby extending the time between thorough foam cleaning. This is also aided by the use of new “flow through” coarse foams, which efficiently remove waste particles whilst also reducing cleaning frequency.



1. Profiled mechanical filter foam=effective removal of waste via larger surface area
Coarse filter foam=Longer interval between cleaning
Layered filter foam= easy to clean thoroughly
2. Kaldnes K3™ Biomedica included= Best biomedica available with increased surface area for superior biological action
3. Water turbulator=More efficient elimination of green water
4. Single ended UV lamp=Longer life and more efficient elimination of green water
5. UVC Viewing Point=Safe checking of UV lamp operation without opening the unit
6. Can be buried up to the level of hose inlets/outlets
7. Easy ‘backflush’ cleaning cuts time and effort for filter maintenance by reducing the frequency of thorough foam cleaning needed.

KALDNES



Bioforce 3000UVC



Bioforce 5500UVC



Bioforce 8000UVC



Bioforce 12000UVC

Bioforce: the market leader's design innovations preserved

The well-established strengths of Bioforce are still prominent in the latest version and mean that, as a pressurised filter, the product is ideal for pond keepers who want ease of use, clear water and a filter system hidden from view:

Filtration Performance

Bioforce is a pressurised system that means a smaller, less obtrusive container size is needed and it can be buried next to the pond out of sight. Pressure also means that filtered water can travel up to the top of a waterfall without the need to be placed at the same high level. Standard equipment in Bioforce includes both a UVC and biological filtration capability; clearwater is therefore guaranteed when the correct size product for the pond is used.



Bioforce Performance Data

Model	Max Litres (Max Gallons)	Max Fish CM (Inches)	LPH (GPH)	UVC	
3000UVC	3000 LTR (660 GALS)	180 cm (5' 11")	1500LPH (330 GPH)	5w	20 - 25 mm
5500UVC	5500 LTR (1210 GALS)	300 cm (9' 06")	2500LPH (550 GPH)	9w	20 - 25 mm
8000UVC	8000 LTR (1760 GALS)	480 cm (15' 09")	4000LPH (880 GPH)	11w	20 - 25 mm
12000UVC	12000 LTR (2640 GALS)	720 cm (23' 07")	6000LPH (1320 GPH)	13w	25 - 40 mm

Part number	Description	Product Bar Code	Pack Qty	List Price
AQU1383	Bioforce 3000UVC	50 10646 04560 5	2	\$381.77
AQU1384	Bioforce 5500UVC	50 10646 04562 9	2	\$424.50
AQU1385	Bioforce 8000UVC	50 10646 04564 3	2	\$511.77
AQU1386	Bioforce 12000UVC	50 10646 04566 7	1	\$642.68
AQU1397	Coarse Foam Medium for 3000/5500/8000	50 10646 04601 5	1	\$26.32
AQU1398	Coarse Foam Large for 12000	50 10646 04602 2	1	\$51.77
AQU1387	Bioforce 3000 Annual Service Kit	50 10646 04597 1	4	\$106.32
AQU1388	Bioforce 5500 Annual Service Kit	50 10646 04598 8	4	\$129.32
AQU1389	Bioforce 8000 Annual Service Kit	50 10646 04599 5	4	\$153.59
AQU1399	Bioforce 12000 Annual Service Kit	50 10646 04600 8	4	\$217.23
AQU1525	Bioforce New 13w UV Lamp	50 10646 04596 4	10	\$70.86
AQU1524	Bioforce 11w/13w UV Quartz Sleeve	50 10646 03447 0	1	\$89.05
AQU1393	Ecoclear 3000UVC	50 10646 04568 1	1	\$574.50
AQU1394	Ecoclear 5500UVC	50 10646 04570 4	1	\$668.14
AQU1395	Ecoclear 8000UVC	50 10646 04572 8	1	\$1025.41
AQU1396	Ecoclear 12000UVC	50 10646 04574 2	1	\$1141.77

ecoclear™ UVC

The Complete Filtration System for clear and healthy pond water

Ecoclear is a combination of new Bioforce UVC and our best-selling Titan solids handling pump, designed specifically for moving water to a filtration system. Because of this UVC capability, in the correct size pond Hozelock Cyprio guarantee Clearwater.



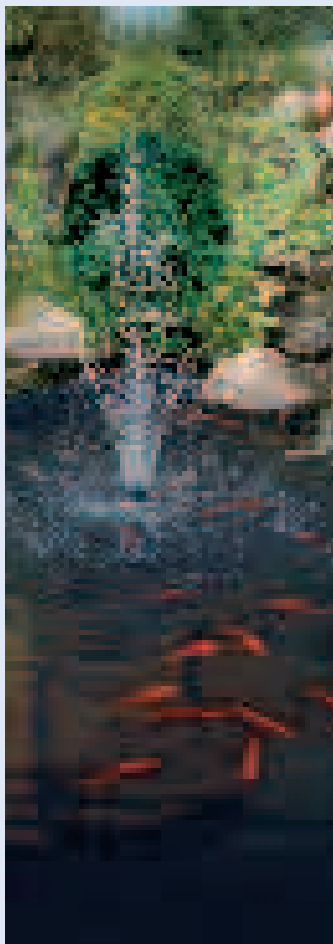
BIOFORCE



TITAN



Model	Filter	Pump
Ecoclear 3000UVC	Bioforce 3000UVC	Titan 2000
Ecoclear 5500UVC	Bioforce 5500UVC	Titan 3000
Ecoclear 8000UVC	Bioforce 8000UVC	Titan 5500
Ecoclear 12000UVC	Bioforce 12000UVC	Titan 8000

	6000L	4500L	3000L
Bioforce 3000UVC	6000L	4500L	3000L
Bioforce 5500UVC	11000L	8250L	5500L
Bioforce 8000UVC	16000L	12000L	8000L
Bioforce 12000UVC	24000L	18000L	12000L



EasyClear™

The award-winning: EasyClear™ Clearwater, Fountain and Waterfall Pump and EasyClear™ Clearwater and Fountain Pump

The EasyClears are fully integrated units (containing a UVC, filter and pump) that are positioned in the pond and guarantee end-users everything they want in terms of beautiful, clear and healthy water and an attractive and reliable feature. Available in two sizes, the EasyClears are suitable for ponds of 3000 and 6000 litres capacity. The smaller  model can produce an attractive fountain whereas the larger  version can run a waterfall too.



The EasyClears provide the following:

1 Clear water

The ultra violet clarifier eliminates green water

2 Clear and healthy water

The filter sieves out solids that make the water cloudy and ensures the water is healthy for fish and plants

3 Fountain

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

4 Waterfall (EasyClear Clearwater, Fountain and Waterfall Pump only)

An attractive waterfall or a combination of waterfall and fountain can be run.

Easy Installation

Everything is placed in the water so that there is no need for a filter system outside the pond which is difficult to disguise. Furthermore, only one electric cable makes installation very simple.

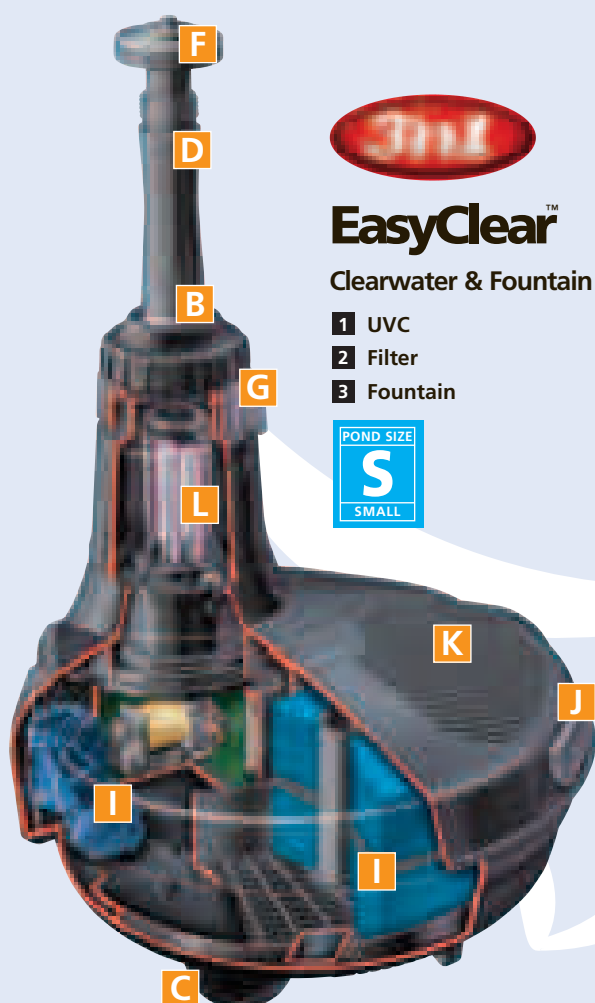
- A** One power cable for simple and cost effective installation.
- B** Ball joint for easy levelling of fountainhead.
- C** Feet for stability.
- D** Fountain stem extension segments for varying pond depths.
- E** The quick connect hose connector allows easy hose connections for running a waterfall.

Easy Operation

- F** 3 Fountainheads (2 Tier, 3 Tier & Bell) for display choice.
- G** Flow control to adjust size of fountain.
- H** Flow control to adjust size of waterfall. (EasyClear 4'n1 only)
- I** Fully integrated filter - UVC, mechanical and biological action.

Easy maintenance

- J** Latch for tool free access to filter foam for cleaning.
- K** Anti-clog fountain strainer for low maintenance.
- L** Bayonet fitting for easy access for lamp changing and cleaning.
- M** Water bypass allows continued UVC and fountain operation if foam is blocked.

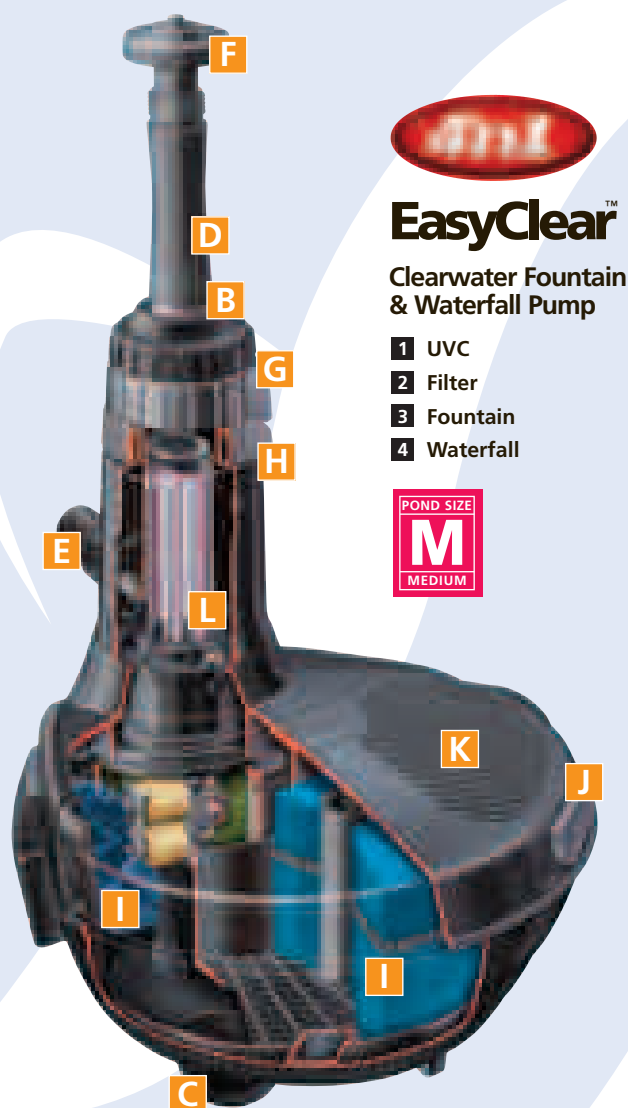


EasyClear™

Clearwater & Fountain Pump

- 1** UVC
- 2** Filter
- 3** Fountain








EasyClear™

Clearwater Fountain & Waterfall Pump

- 1 UVC
- 2 Filter
- 3 Fountain
- 4 Waterfall



	EasyClear 3'n1	EasyClear 4'n1
	3000L	6000L
	2500L	5000L
	2000L	4000L

EasyClear™ Technical Data

Part Number	Watts	Cable Length	UV Lamp	Accessories included			
				2 Tier Jet	3 Tier Jet	Bell Jet	4 x Fountain Stem Extension Pieces
EasyClear 3'n1	35w	10.00 m (33')	5w	•	•	•	•
EasyClear 3'n1 LV	35w	3.00 m (10')	5w	•	•	•	•
EasyClear 4'n1	60w	10.00 m (33')	9w	•	•	•	•
EasyClear 4'n1 LV	60w	3.00 m (10')	9w	•	•	•	•

EasyClear™ Performance Data

Part Number	Max Fountain Height	Bell Jet Diameter	Waterfall Width	Max Litres (Max Gallons)	Max Fish CM (Inches)
3327/3027	0.60 m (2' 00")	0.35 m (1' 02")	-	3000 LTR (660 GALS)	0.72 m (2' 04")
3328/3028	1.30 m (4' 02")	0.65 m (2' 01")	0.13 m (5")	6000 LTR (1320 GALS)	1.44 m (4' 08")

Part number	Description	Product Bar Code	Pack Qty	List Price
3327	EasyClear™ 3'n1 Clearwater & Fountain Pump - 240v	50 10646 04078 5	2	\$432.68
3328	EasyClear™ 4'n1 Clearwater, Fountain & Waterfall Pump - 240v	50 10646 04267 3	2	\$640.86
3027	EasyClear™ 3'n1 Clearwater & Fountain Pump - LV	50 10646 04079 2	2	\$460.86
3028	EasyClear™ 4'n1 Clearwater, Fountain & Waterfall Pump - LV	50 10646 04268 0	2	\$681.77
1526	Quartz Tube (3327 & 3027)	50 10646 04114 0	1	\$55.41
1529	Quartz Tube (3328 & 3028)	50 10646 04337 3	1	\$70.86
1406	EasyClear™ Foam (3327 & 3027)	50 10646 04659 6	1	\$33.59
1407	EasyClear™ Foam (3328 & 3028)	50 10646 04660 2	1	\$44.50
3418	Pump Impeller (3327 & 3027)	50 10646 03581 1	5	\$31.77
3439	Pump Impeller (3328 & 3028)	50 10646 04526 1	5	\$43.59

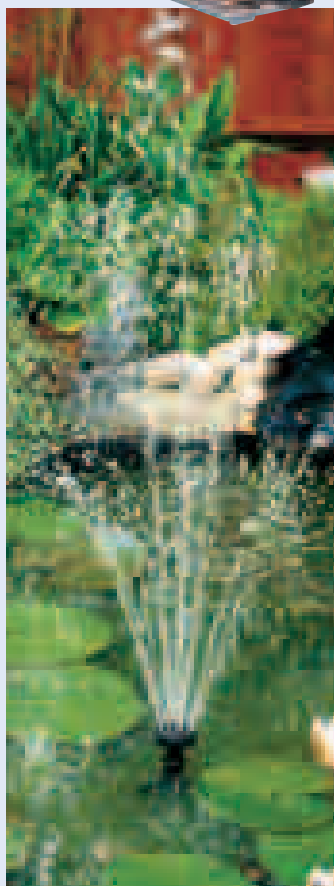
cascadeTM pumps

Ideal for all decorative ponds – a range of sizes for operating everything from small water features to larger combined fountain and waterfall displays.

New features have been added to the smaller Cascade PumpsTM. All models from the 450 to 4000 are now supplied with a ball joint for easy levelling of the fountainhead. The 450 has a new, easy-to-operate flow control. All models are supplied with foam free strainers requiring less cleaning together with tool free access for cleaning and maintenance. The 450 pump also has a larger base plate for extra stability.



Cascade 1500



Use a Cascade for:

Fountains - they all come complete with a selection of distinctive fountain displays and the Cascade 700 to 4000 with a bell jet. All pumps up to the 4000 also have a telescopic fountain stem.

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

Water Features - All models can run water features with the attachment of appropriate pipe.

Filtration - water can be pumped to a filter and directly back to the pond, 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 multi blade impeller and OMC (Optimised

Magnetic Coupling) motor design provide unparalleled performance with low running costs.

More reliability

All Cascades from 1000 upwards are unique in using TRF (Thermal Re-settable Fuse) 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.

Cascade LV

Hozelock Cyprio has a large 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.

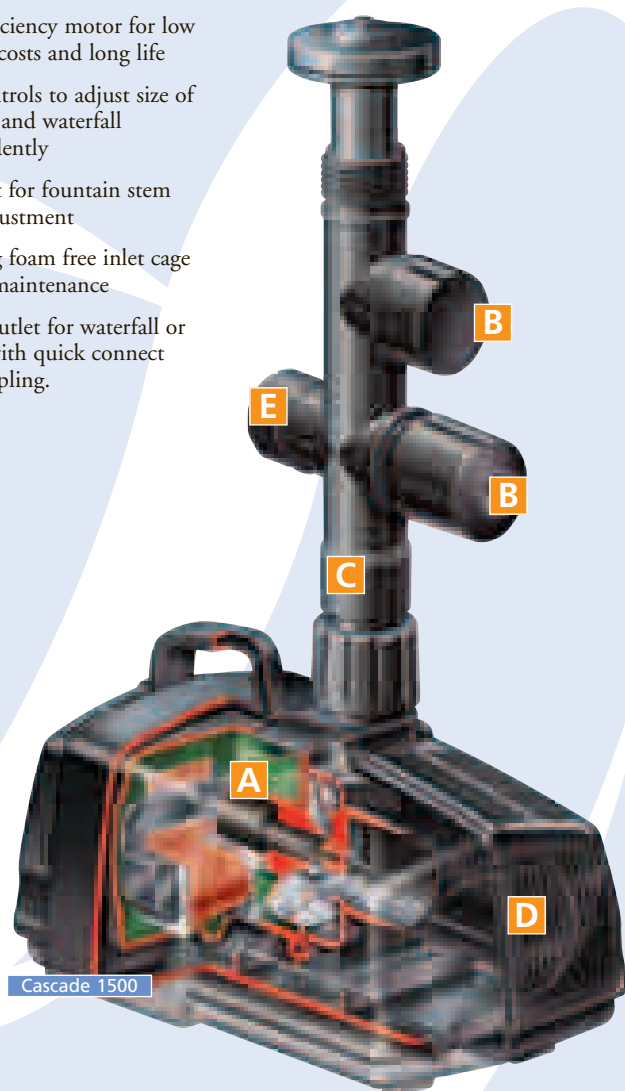
Cascade performance data

Waterfall figures are based on 2.5metres of 1" dia. hose (1000-4000 @ head 0.6m, 5500-7000 @ head 0.8m).

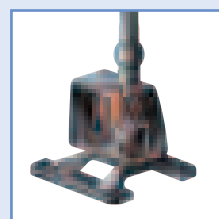
Model	Max Fountain Height	Bell Jet Diameter	Waterfall Width	Combined	
				Combined	Waterfall
450	0.63 m (2' 01")	-	-	-	-
700	0.75 m (2' 05")	0.35 m (1' 02")	-	-	-
1000	1.16 m (3' 10")	0.38 m (1' 03")	0.11 m (0' 04")	-	-
1500	1.20 m (3' 11")	0.40 m (1' 04")	0.12 m (0' 05")	0.55 m (1' 10")	0.10 m (0' 04")
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")

Cascade features

- Telescopic fountain pipe
- A** High efficiency motor for low running costs and long life
- B** Flow controls to adjust size of fountain and waterfall independently
- C** Ball joint for fountain stem angle adjustment
- D** Anti-clog foam free inlet cage reduces maintenance
- E** Special outlet for waterfall or feature with quick connect hose coupling.



Cascade 1500



450



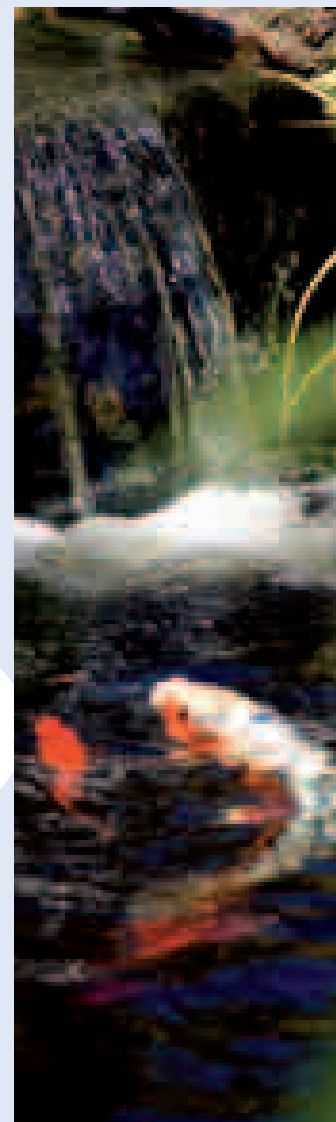
700



1000/1500/2000/
3000/4000



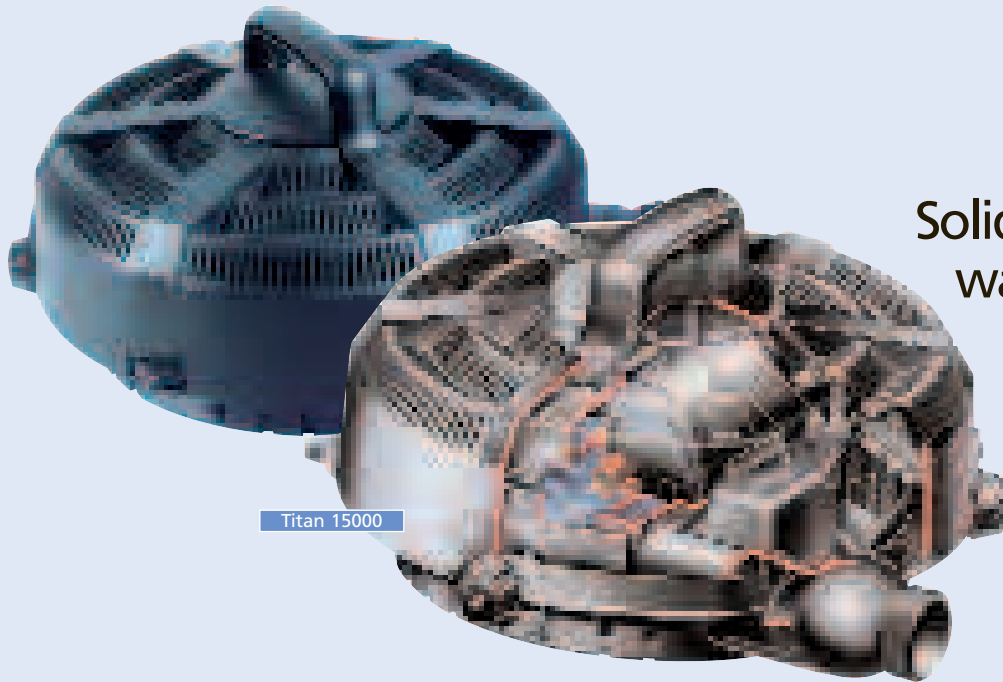
5500/7000



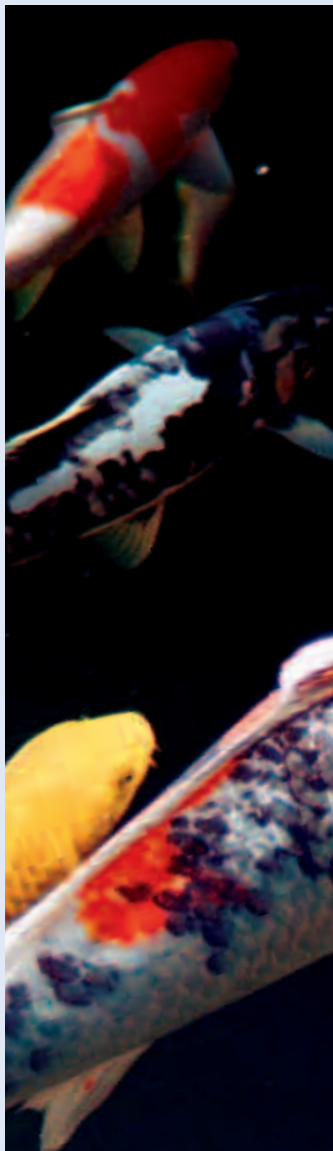
Part number	Description	Product Bar Code	Pack Qty	List Price
AQU3303	Cascade 450 - 240v	50 10646 03129 5	5	\$68.14
AQU3352	Cascade 700 - 240v	50 10646 03576 7	5	\$79.95
AQU3353	Cascade 1000 - 240v	50 10646 03555 2	5	\$133.59
AQU3354	Cascade 1500 - 240v	50 10646 03569 9	5	\$162.68
AQU3324	Cascade 2000 - 240v	50 10646 03081 6	3	\$209.05
AQU3334	Cascade 3000 - 240v	50 10646 03082 3	3	\$255.41
AQU3344	Cascade 4000 - 240v	50 10646 03083 0	3	\$349.95
AQU3350	Cascade 5500 - 240v	50 10646 01115 0	2	\$512.68
AQU3360	Cascade 7000 - 240v	50 10646 01116 7	2	\$600.86
AQU3052	Cascade 700lv	50 10646 03568 2	5	\$113.59
AQU3053	Cascade 1000lv	50 10646 03554 5	5	\$183.59
AQU3054	Cascade 1500lv	50 10646 03562 0	5	\$215.41
AQU3024	Cascade 2000lv	50 10646 03078 6	3	\$266.32
AQU3034	Cascade 3000lv	50 10646 03079 3	3	\$318.14
AQU3044	Cascade 4000lv	50 10646 03080 9	3	\$359.95
AQU3419	Pump Impeller - 700, 700lv (Previous 3417 - 3 blades)	50 10646 04477 6	10	\$15.41
AQU3402	Pump Impeller - 1000, 1000lv (Previous 3418 - 2 blades)	50 10646 04479 0	10	\$31.77
AQU3409	Pump Impeller - 1500, 1500lv (Previous 3418 - 2 blades)	50 10646 04481 3	10	\$32.68
AQU3408	Pump Impeller - Cascade 2000, 2000lv, 3000, 3000lv	50 10646 03219 3	5	\$55.41
AQU3411	Pump Impeller - Cascade 4000, 4000lv	50 10646 03217 9	5	\$58.14
AQU3592	Low Voltage Cable 7.5m	50 10646 00937 9	5	\$33.59
AQU3595	Low Voltage Cable 15m	50 10646 00936 2	5	\$61.77
AQU3863	Low Voltage Transformer (65va)	50 10646 00965 2	1	\$169.95
AQU3900	Geyser Fountain Head	50 10646 00812 9	5	\$71.77
AQU3905	Bell Fountain Head	50 10646 00813 6	5	\$11.77

titan® pumps

Solids handling pump for
waterfalls and filtration



Titan 15000



Use a Titan for:

Titans have been designed as excellent filtration, waterfall or watercourse pumps. 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)

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

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

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

More Features

- Each Titan incorporates an anti clog cage and a Wildlife

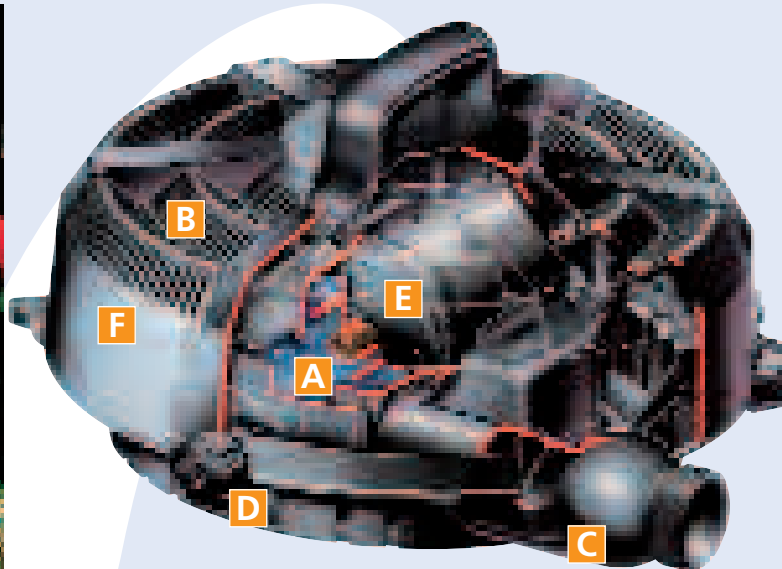
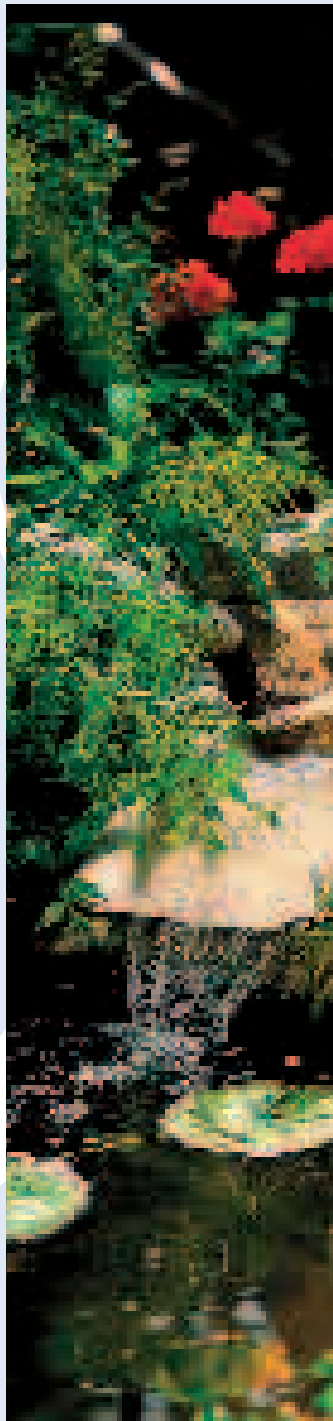
Protection System (WPS). Just slide the lever on the side of the pump to close the intake slot holes down to as small as 2mm.

- 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.

Guarantee

Titan pumps are guaranteed for 3 years continuous use.



Titan features

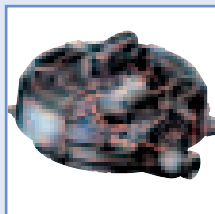
- A** Solids Handling System - handles solids without blocking
- B** Wildlife Protection System – cage holes can be adjusted down to 2mm to prevent wildlife from entering pump
- C** Ball joint enables easy positioning of hose from the pump outlet
- D** Extra secure locking hatches hold cage closed and allow tool free access to pump
- E** Ultra Durable – includes ceramic wearing parts, PTC thermal fuse and dual shock absorbers
- F** Low profile for extra stability and use in shallow water



Titan 3000



Titan 8000



Titan 15000

Titan Performance Data

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

Part number	Description	Product Bar Code	Pack Qty	List Price
AQU1451	Titan 2000	50 10646 03250 6	2	\$216.32
AQU1452	Titan 3000	50 10646 03084 7	2	\$270.86
AQU1454	Titan 5500	50 10646 03085 4	2	\$514.50
AQU1456	Titan 8000	50 10646 03086 1	2	\$575.41
AQU1457	Titan 12000	50 10646 03677 1	1	\$874.56
AQU1458	Titan 15000	50 10646 03678 8	1	\$983.80

technical data

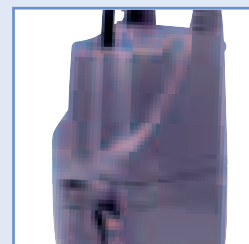
pumps



Cascade



Titan



Prima XL

Technical Data

Pump Range	Max Flow (litres per hour)	Flow at (LPH)				Max Head (m)	Watts	Cable Length (m)	Strainer Inlet Area (cm2)	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	Stepped Hose Tail (19, 25, 32, 40mm)	25mm Quick Connect Hose Adaptor	Inlet & Outlet Hose Adaptors
Cascade																						
450 (3303)	450	-	-	-	-	1.0	10	10.0	12.1	12.5	81	51	75	•			•	•	•			
700 (3352)	700	120	-	-	-	1.2	13	10.0	46.3	12.5	140	100	100	•			•	•	•	•		
1000 (3353)	1000	500	350	-	-	1.5	31	10.0	67.2	25	192	121	117	•	•			•	•	•		•
1500 (3354)	1500	900	700	400	-	1.8	33	10.0	67.2	25	192	121	117	•	•			•	•	•		•
2000 (3324)	2000	1200	1125	700	200	2.3	38	10.0	67.2	25	180	120	110	•	•			•	•	•		•
3000 (3334)	3000	1875	1550	1100	300	2.3	42	10.0	67.2	25	180	120	110	•	•			•	•	•		•
4000 (3344)	4000	2800	2300	1700	500	2.3	44	10.0	67.2	25	180	120	110	•	•			•	•	•		•
5500 (3350)	5500	4320	4200	4000	3250	4.9	168	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				•	•	•			•
Cascade LV																						
700LV (3052)	700	120	-	-	-	1.2	11	3.0	46.3	12.5	140	100	100	•			•	•	•	•		
1000LV (3053)	1000	500	350	-	-	1.5	28	3.0	67.2	25	192	121	117	•	•			•	•	•		•
1500LV (3054)	1500	900	700	400	-	1.8	30	3.0	67.2	25	192	121	117	•	•			•	•	•		•
2000LV (3024)	2000	1200	1125	700	200	2.3	36	3.0	67.2	25	180	120	110	•	•			•	•	•		•
3000LV (3034)	3000	1875	1550	1100	300	2.3	40	3.0	67.2	25	180	120	110	•	•			•	•	•		•
4000LV (3044)	4000	2800	2300	1700	500	2.3	42	3.0	67.2	25	180	120	110	•	•			•	•	•		•
Titan																						
2000 (1451)	2000	1100	800	150	-	1.6	38	10.0	146.7	20-40	270	270	165							•		
3000 (1452)	3000	2200	2000	1600	800	2.3	40	10.0	146.7	20-40	270	270	165							•		
5500 (1454)	5500	4500	4200	3800	3200	3.8	185	10.0	146.7	20-40	270	270	165							•		
8000 (1456)	8000	6800	6600	6000	5050	4.0	185	10.0	146.7	20-40	270	270	165							•		
12000 (1457)	12000	9000	8400	7500	6000	4.0	230	10.0	203.2	20-40	340	325	200							•		
15000 (1458)	15000	11000	10700	9600	7800	4.2	250	10.0	203.2	20-40	340	325	200							•		



vortonTM ultra violet clarifiers

A revolution in the efficient elimination of green water algae

The Ultra Violet Clarifier (UVC) continues to form a key element of a clearwater system. The algae, causing greenwater, are made to clump together (flocculate) by the UV light so that they can be sieved out of the water by a filter.



Superior Performance

The Vorton UVCs are up to 50% more efficient than many Ultra Violet Clarifiers on the market.

- **In-built "Turbulator"** - The flow of the water through the UVC, created by the product design, increases the units efficiency by even exposure of the water to the UV light and eliminate the possibility of air locks.
- **Single ended UV lamp** - The lamp design means 30% more UV light is emitted than a double ended lamp of the same wattage.
- **Quartz tube** - Quartz allows 87% of the UV rays to pass through it and penetrate the

water where it can act on the algae.

- **Operating temperature** - Careful product design ensures the UV lamps are kept within their optimum operating temperature range, which means that they are always working at their most efficient.

Simple to install

- **Multi-directional inlet/outlet** - Being able to rotate the inlet and outlet through up to 360°.
- **Quick connect hose connections** - Joining up the pipework is simple, aiding installation and disconnection for cleaning and maintenance.
- **Translucent stepped hoesetails** - The UV light causes the hoesetails

to glow clearly indicating when the lamp is operating.

Easy to clean and maintain

- **Bayonet fitting of electrical housing** - Easy access for cleaning the quartz tube and main body.
- **Dome ended quartz tube** - Cleaning and sealing is simple with only one open end.
- **Detachable mounting bracket** - The UVC can be easily removed from the mounting bracket.

These highly durable units come with a 2 year guarantee (excluding the lamp).




Clearwater Guarantee

When a Hozelock Cyprio "Vorton" UVC is used with a correctly sized Hozelock Cyprio biological filter, the system is covered by our Clearwater Guarantee.

Safety

The whole UVC unit has an IP65 waterproof rating, and is designed for outside use.

Vorton UVC Performance Data

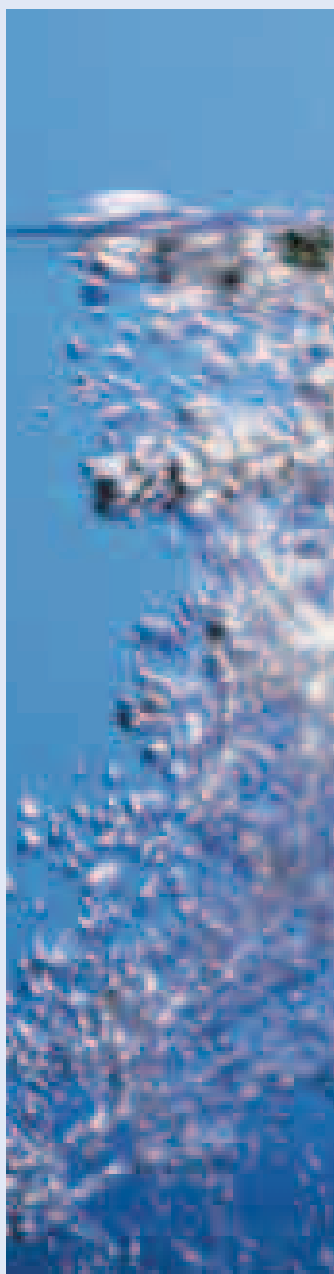
Model	Wattage	Max Litres (Max Gallons) 	LPH (GPH) 	
2200	5w	2200 LTR (500 GALS)	1100 LPH (250 GPH)	20 - 40 mm
4500	9w	4500 LTR (1000 GALS)	2200 LPH (500 GPH)	20 - 40 mm
9000	11w	9000 LTR (2000 GALS)	4500 LPH (1000 GPH)	20 - 40 mm
14000	11w	14000 LTR (3000 GALS)	7000 LPH (1500 GPH)	20 - 40 mm
18000	2 x 9w	18000 LTR (4000 GALS)	9000 LPH (2000 GPH)	20 - 40 mm
27000	2 x 11w	27000 LTR (6000 GALS)	13500 LPH (3000 GPH)	20 - 40 mm

Part number	Description	Product Bar Code	Pack Qty	List Price
AQU1550	Vorton UVC 2200	50 10646 03418 0	2	\$219.05
AQU1551	Vorton UVC 4500	50 10646 03419 7	2	\$274.50
AQU1552	Vorton UVC 9000	50 10646 03421 0	2	\$410.86
AQU1553	Vorton UVC 14000	50 10646 03420 3	2	\$479.95
AQU1554	Vorton UVC 18000	50 10646 03422 7	2	\$593.59
AQU1555	Vorton UVC 27000	50 10646 03423 4	2	\$717.23
AQU1519	Lamp 5w PLS TUV	50 10646 04340 3	10	\$42.68
AQU1520	Lamp 9w PLS TUV	50 10646 04343 4	10	\$54.50
AQU1521	Lamp 11w PLS TUV	50 10646 04344 1	10	\$66.32
AQU1523	Quartz Tube 2200/4500 (x2 for 18000)	50 10646 03446 3	1	\$49.95
AQU1524	Quartz Tube 9000/14000 (x2 for 27000)	50 10646 03447 0	1	\$89.05
AQU1522	UVC Annual Service Kit	50 10646 03448 7	1	\$94.50
AQU1537	Hosetails UVC Spare Set	50 10646 03049 6	1	\$19.05



air pump

Two high performance reliable air pumps for large fish and koi ponds



Adding oxygen into a fishpond is very important for fish health, particularly in densely stocked ponds and in the summer months when oxygen levels decline.

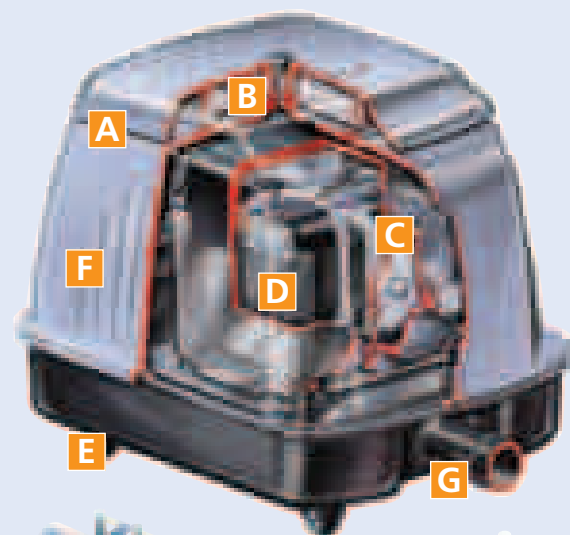
The pumps can be safely left uncovered outdoors to simplify installation.

The smaller model delivers 45 litres per minute and 35 lpm at a depth of 1m. The larger model delivers 75 litres per minute at a depth of 1m. Maximum operating depth 3m.

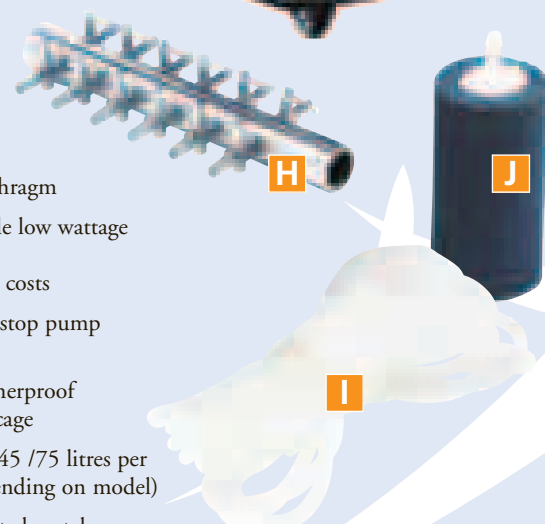
Both models are supplied with 100mm air stones, a chrome coated metal manifold with 12 outlets and air tubing (4mm Ø) as standard. The kit format makes the sales process quicker and easier for the consumer and retail staff.

The air stones produce maximum diffusion of the air into the water and avoids the need for multiple air stones making installation easier. Additional airstones can be added to provide oxygen to different areas the pond.

2-year guarantee.



- A** Air inlet
- B** Air filter
- C** Robust diaphragm
- D** Quiet reliable low wattage motor with low running costs
- E** Rubber feet stop pump vibrating
- F** Stylish weatherproof aluminium cage
- G** Air output (45 /75 litres per minute depending on model)
- H** Chrome coated metal manifold with 12 outlets
- I** Air tube Ø 4mm ('Model 45' x 5m, 'Model 75' x 10m)
- J** 100mm sintered air stone Ø 5cm ('Model 45' x 1, 'Model 75' x 2)



Technical Data

Maximum Output (LPH)	Maximum Recommended Depth of Air Stone	Output at 1m Depth	Maximum Pressure	Number of Air Outlets	Length of Air Tube	Diameter of Air Tube	Size of Air Stone	Pump Rating	Cable Length
45LPH	2.0m	35LPM	0.030 MPa	12	5m	4mm	Ø 5cm x 10cm	35w	10m
75LPH	3.0m	45LPM	0.039 MPa	12	10m	4mm	2x Ø 5cm x 10cm	35w	10m

Part number	Description	Product Bar Code	Pack Qty	List Price
AQU1820	Air Pump 45	50 10646 04339 7	2	\$389.05
AQU1380	Air Pump 75	50 10646 04616 9	2	\$541.77
AQU1821	Air Pump Spares Kit (45)	50 10646 04373 1	5	\$63.59
AQU1377	Air Pump Spares Kit (75)	50 10646 04654 1	5	\$63.59

aqua-glow

LED pond lights

Powerful modern lights for pond use with very low running costs



High Performance

LED (light emitting diode) lights are increasingly fashionable in home and garden design. They emit a very powerful, distinctive, direct and clear light to illuminate the pond or fountain.

Safe

As the system operates off low voltage it does not represent a danger in the garden or pond. Each light is also permanently sealed to prevent the ingress of water.

Durable

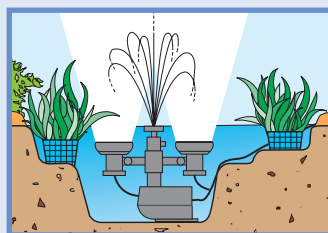
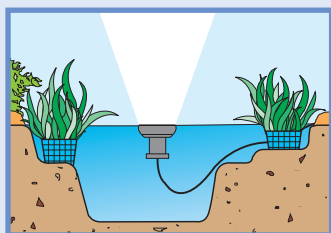
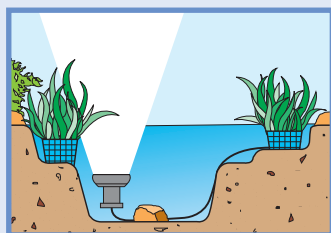
Hozelock-Cyprio's LED lights combine our experience of outdoor electrical products with a high quality design and each light carries a 2 year guarantee.

Flexible in-use

Each light can be positioned to either sink to the bottom of the pond, or float on the surface, or attach to the Cascade fountain pump.

The light can be angled to light up a fountain for a dramatic effect.

Each Pond Light includes 10 LED's for maximum light output. The three lamp LED light set works off a 12-volt supply for easy DIY installation and uses a mere 2.85 watts, which means the running costs are extremely low. The lights are supplied with a range of coloured lenses.



Part number	Description	Product Bar Code	Pack Qty	List Price
AQU3561	LED Pond Light 3 Lamp Set	50 10646 04346 5	2	\$181.77