

# EVOLUTION

INNOVATION IN WATER















### What is Evolution Aqua Air Clean Technology?

Evolution Aqua filters with Air Clean Technology use open cell media and air to clean the filter providing a low-energy and cost effective solution.

Sponges, brushes and other similar filter media break down over time and are costly to replace. Our open cell media improves over time and never needs replacing offering a significant saving over the lifetime of the filter.

When it comes to maintenance, screens, sponges and brushes frequently clog up requiring messy and time-consuming cleaning.

With the Air Clean Technology cleaning your filter is quick, easy and creates no mess, so you get to keep your hands clean.

Our Evolution Agua filters with Air Clean Technology don't have any moving parts so they are more reliable and virtually maintenance-free.







**Energy** 





### **CONTENTS**

### **FILTRATION**

K+Advanced Filters	Page 4
Nexus 220+ & Nexus 320+	Page 6
Nexus Automatic System	Page 8
Tempest	Page 10
EazyPod Automatic	Page 12
EazyPod Filters	Page 14
evoUV	Page 16
Cetus Sieve	Page 18

### POND AND KOI TREATMENTS

PURE Pond	Page 19
PURE+ Filter Start Gel	Page 20
PURE Pond Bomb	Page 21
Stop Blanketweed	Page 22
EA Blanketweed	Page 23

### **FILTER MEDIA**

K <b>+</b>	Media	Page 24
K1	Media & K1 Micro	Page 25

### **PUMPS & ACCESSORIES**

Detox Dechlorinators	Page 26
Air Pumps	Page 27
Varipumps	Page 28
Sinking Air Line	Page 30
EvoFeed Automatic	Page 31

### **POND FISH FOODS**

GrowthPlus	Page 32
Premier	Page 33
Wheatgerm	Page 33
Freshwater Shrimp	Page 33
Silkworm Pupae	Page 33
Pond Sticks	Page 33
Pond Treats	Page 33
Takazumi Foods	Page 34

### **PIPEWORK & FITTINGS**

EazyConnectors	Page 35
Pipework & Fittings	Page 36









- Economical to run thanks to its unique design
- The filter has been engineered to maximise pump efficiency
- Pre-filled with advanced K+Media for improved filtration
- Easy to operate and clean with Air Clean Technology
- Air blower, pipework and multiport valve supplied
- One piece rotationally moulded filter body
- Built-in feet (no skirt) for additional durability
- Unique, engineered lateral design to optimise filtration

Model	Maximum Pond Size	Optimum Flow Rate	Quantity Of K+Media Included	Diameter	Multiport Valve	Pipework Size
K+AdvancedFilter20	18,000 litres 4,000 UK gallons 4,800 US gallons	6,000 lph 1,320 gph 1,800 US gph	50 litres 11 gallons 1.77 cu. ft.	20" (500mm)	1½"	1½"
K+AdvancedFilter24	36,000 litres 8,000 UK gallons 9,600 US gallons	12,000 lph 2,640 gph 3,600 US gph	100 litres 22 gallons 3.53 cu. ft.	24" (620mm)	2"	2"
K+AdvancedFilter30	54,500 litres 12,000 UK gallons 14,500 US gallons	18,000 lph 3,960 gph 5,400 US gph	150 litres 33 gallons 5.28 cu. ft.	30" (750mm)	2"	2"
K+AdvancedFilter36	91,000 litres 20,000 UK gallons 24,000 US gallons	30,000 lph 6,600 gph 6,500 US gph	250 litres 55 gallons 8.83 cu. ft.	36" (900mm)	2"	2"

EA CODE: PFKE60020M25

BARCODE: 5056231202169







### Manufactured to last

Manufactured in the UK by Evolution Aqua, the **K+Advanced Filter** is produced using rotational moulding process. The body is made of a single homogenous material meaning there is no joint line, the wall thickness is consistent throughout, there are no weak points, and the feet are built-in as part of the body. This means that the K+Advanced Filter is extremely durable and has the same attractive granite grey colour finish as the other EA filters.

### Improved mechanical and biological filtration

The benefits of using  ${\bf K+Media}$  have been well documented, including its ability to filter particles down to  ${\bf one}$   ${\bf micron}.$ 

The design and profile of the media helps to **improve flow**.

Its vast protected surface area of 1,025m<sup>2</sup> per m<sup>3</sup>, or the total area of 5 x tennis courts, maintains stable bio-films.

Its unique manufacturing process where **minerals** and **enzymes** are added during the extrusion process, ensure **K+Media matures faster** than any other type of filter media. The filter media has also been **independently tested** to verify its performance by **IFTS** and **Cranfield University**.





### Peace of mind

Evolution Aqua are in full control of the manufacturing. The filters undergo rigorous testing and quality control checks and are rated to a maximum working pressure of 1.5 bar.

### **Economical to run**

To optimise performance, there are unique double laterals inside the filter that help improve flow through the bed of K+Media, that is supplied with every filter. This laminar flow, coupled with the use of K+Media reduces back pressure on the circulating pump, ultimately making them economical to run.

### Easy as 1-2-3

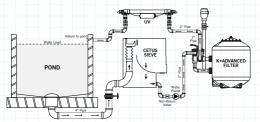
They are **simple to install** and can be used as a **standalone filter** or as part of a larger filtration system with a **Nexus+** or on a skimmer line.





### Install on pump-fed or gravity-fed systems

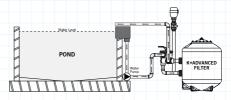
**K+Advanced Filters** are **versatile** and can be installed on **pump-fed** or **gravity-fed** setups. They can be used as a stand alone filter, in conjunction with a pre-filter, or it can be used on skimmer lines or as a polisher at the end of a system.



K+Advanced Filter installation with a Cetus Sieve



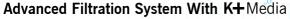
Scan the QR code to learn more on our website



K+Advanced Filter installation on a skimmer line



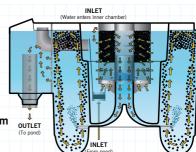




- NEW K+ Media for better biological filtration
- Vastly improves filtration and delivers faster maturation
- K1Micro inside the EAZY for mechanical filtration.
- Easy to install, with simple Air Clean Technology
- Install on a pump-fed or gravity-fed set-up
- Manufactured ready for easy upgrade to Automatic System
- NEW Nexus lids are available to cover the Nexus filter and also accomodate the Nexus Automatic System



222 US gallons



in bio chamber

9,000 US gallons

3,431 US gallons/hr

inside the EAZY

in bio chamber







### How The Nexus+ Filter Works

Water from the pond enters the Nexus+ via the inlet into the inner chamber which works as a vortex allowing larger solids to settle out.

Water then passes through the grills in the stainless steel "Eazy" filter, where the finer particles are removed at the mechanical stage of filtration, thanks to the static bed of our award winning K1 Micro® filter media.

The **mechanically clean** water then passes to the outside chamber of the nexus where the K+Media moving bed is located for biological treatment prior to being returned to the pond.

At this stage, biological breakdown occurs through different strains of bacteria and filter feeders living on the protected surface area of each piece of the K+Media. These bacteria convert Ammonia and Nitrite into less harmful Nitrate.

Water then passes through the exit grill into the outlet, returning back to the pond.

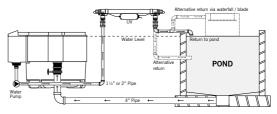


Diagram shows an example of a gravity fed installation

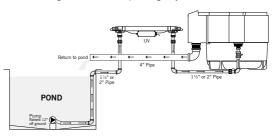
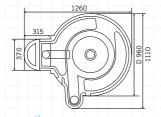
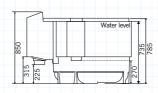


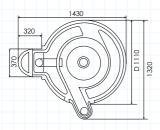
Diagram shows an example of a pump fed installation

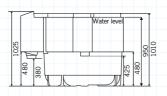
### nexus220+ Dimensions (mm)





### nexus320+ Dimensions (mm)





### Air Pump Requirements

You can increase the biological capacity of your Nexus+ by adding additional K+Media into the outer chamber up to the maximum capacity. You will however need to ensure that you have the correct size of air pump to enable the K+Media to move sufficiently (see table below for recommended size of air pump).

Total amount of K+Media in the outer chamber	Recommended Evolution Aqua Air Pump
50 - 75 litres	Air Pump 75
75 - 100 litres	Air Pump 95
100 - 150 litres	Air Pump 130
150 - 300 litres	Air Pump 150











- Hassle free way to clean Nexus filtration systems
- Automates the cleaning process of the Nexus
- **Easily fits** onto Nexus filters (post 2006 models)
- Control box automatically operates valves and pumps
- Adjustable timer controls the frequency of the cycle
- Easy to set up for multiple cleaning cycles
- Manual cycle can be carried out at touch of a button
- Gravity-fed and pump-fed versions available









### **NEW Nexus Lids Available**

New lids are available to cover Nexus filters and accomodate the Automatic System. They also include a securing mechanism to ensure the lid is fitted and secure at all times.







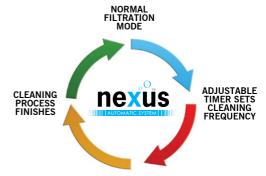
### **Automatic Cleaning Cycle**

The Nexus Automatic System will control the cleaning cycle fully automatically. Cleaning is done on a timer, which is factory set to clean once every 3 days, however, this is easily adjustable to fit in with your pond requirements. The Nexus Automatic System will run a cleaning cycle which lasts approximately 10 minutes.

### **Overview of component parts**

The Nexus Automatic System is supplied with the following parts for Gravity-fed installations.

Pump-fed versions do not have the automatic inlet plate.



**CLEANING** PROCESS STARTS **AUTOMATICALLY** 











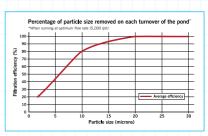


# tempest



### **NEW Innovative Polisher For Ponds**

- Improves water quality and clarity
- Includes advanced K+Media
- Traps particles down to one micron
- Patent pending air backwash system
- Use in conjunction with any filtration system
- Additional mechanical and biological filtration
- Easy to install, simple to clean
- Evolution Agua filter media independently tested
- Standalone filter for small ponds up to 5,000 Litres







Model	Optimum Flow Rate	Maximum Flow Rate	Volume Of Water In Filter	K+Media Supplied	Inlet Size	Outlet Size	Waste Hosetail Size
tempest	5,000 lph 1,100 gph 1,320 US gph	7,500 lph 1,650 gph 1,980 US gph	27 litres 5.9 gallons 7.1 US gallons	7 litres	1½" (UK / USA) / 50mm (EU)	1½" (UK / USA) / 50mm (EU)	1" (UK / USA) / 32mm (EU)







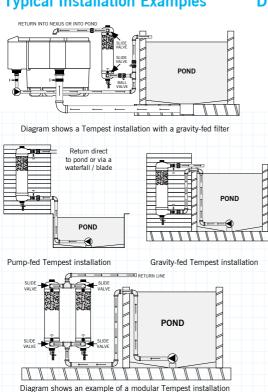
The Tempest filter is an innovative polishing system for ponds that will help to deliver crystal clear water. Designed to be used in conjunction with any filtration system, the Tempest offers additional **mechanical** and **biological** filtration. The Tempest filter can also be used on quarantine systems or as a standalone filter on smaller ponds up to 5,000 litres.

The Tempest filter is easy to install and is simple and quick to clean, by way of our patent pending air syphon design.

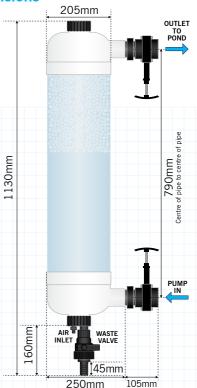
During the Air Clean Technology cleaning process, air is drawn into the filter as it empties which causes the water to agitate, effectively cleaning the K+Media.

Using K+Media as the filter media, particles down to one micron can be filtered. On a single pass, testing has proven our media capable of removing all particles down to 25 micron when used at the optimum flow rate. Not only that, K+Media is the result of extensive research and development and is moulded with minerals for faster maturation times.

### **Typical Installation Examples**



### **Dimensions**









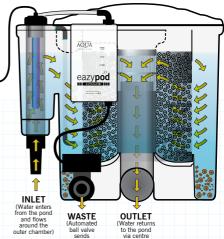




# eazypod

### The Self-Cleaning Filter For Ponds

- Mechanical, biological and UV filtration
- Automatic cleaning even when you're not there
- Simple to install, easy to maintain
- Integrated air pump built into control box
- Supplied with 18 litres of K1 Micro
- 620mm (w) x 655mm (h) x 740mm (d)
- Available with or without UV
- Spec in Granite Green or Grey colour



return pipe)

sends water to waste automatically)

Model	Max. Pond Size	Max. Feed Rate	Volume Of Water In Filter	Recommended Flow Rate	Air Pump	UV-C Bulb
eazy <b>pod</b>	10,000 litres 2,200 gallons 2,640 US gallons	100 - 125g per day	80 litres 18 gallons 21 US gallons	5,000 lph 1,100 gph 1,320 US gph	Built-In Inside Control Box	x
eazy <b>pod</b> uv	10,000 litres 2,200 gallons 2,640 US gallons	100 - 125g per day	80 litres 18 gallons 21 US gallons	5,000 lph 1,100 gph 1,320 US gph	Built-In Inside Control Box	18 W PL-L







### Cleans When You're Not There

Tired of cleaning your pond filter? Fed-up with washing filter brushes and squeezing filter sponges over and over again, in all weathers? The EazyPod Automatic is the **solution**.

The EazyPod Automatic, with Air Clean Technology, is a **self-cleaning**, **mechanical** and **biological** filter system for garden ponds up to 10,000 litres.

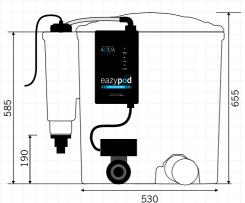
The integrated **control box** contains an adjustable timer which initiates a **cleaning cycle automatically** - meaning your filter will clean itself **even when you're not there!** 

Inside the control box, the electronic connector blocks control the **automated waste valve**, along with your choice of circulating pump (not supplied). It even houses an **integral air pump** which kicks in automatically to clean the **18 litres of K1 Micro media**.

**Crystal clear, healthy** water is achieved by **K1 Micro** filter media, which also provides enhanced biological benefits by way of its protected surface area.

The Eazypod UV Automatic features an integrated **18 Watt UVC** built in to the inlet section of the filter, helping to clear green water.





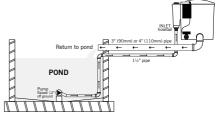
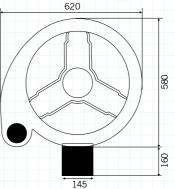


Diagram shows an example of a pump fed installation





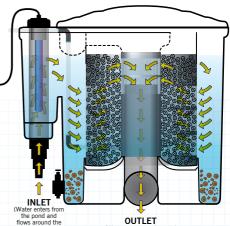


# eazypod complete

### Complete Filtration With UV-C

■ Mechanical, biological and ultraviolet filtration

- Supplied with 18 litres of K1 Micro filter media
- Simple to install, easy to maintain
- Available in Granite Green or Grey colour
- 580mm (w) x 655mm (h) x 710mm (d)
- EazyPod and EazyPodAir models also available



OUTLET (Water returns to the pond via centre return pipe)

Model	Max. Pond Size	Max. Feed Rate	Volume Of Water In Filter	Recommended Flow Rate	Recommended Air Pump	UV-C Bulb
eazy <b>pod</b>	10,000 litres 2,200 gallons 2,640 US gallons	100 - 125g per day	80 litres 18 gallons 21 US gallons	5,000 lph 1,100 gph 1,320 US gph	Air Pump 70 Kit (Supplied)	18 W PL-L
eazy <b>pod</b> air	10,000 litres 2,200 gallons 2,640 US gallons	100 - 125g per day	80 litres 18 gallons 21 US gallons	5,000 lph 1,100 gph 1,320 US gph	Air Pump 70 Kit (Supplied)	x
eazy <b>pod</b>	10,000 litres 2,200 gallons 2,640 US gallons	100 - 125g per day	80 litres 18 gallons 21 US gallons	5,000 lph 1,100 gph 1,320 US gph	Air Pump 70 Kit (Not Supplied)	x

outer chamber)







### **How The EazyPod Complete Works**

Water from the pond enters the EazyPod Complete via the **inlet**, cascading around the **18 Watt UV-C** bulb, where any algae will be exposed to the UV-C radiation.

The water then flows around the circumference of the **outer chamber** of the EazyPod Complete, passing through the **stainless steel grill** causing many of the larger solids to be filtered out and settle in the base of the outer chamber. This is the first stage of **mechanical filtration**.

As water enters the central chamber, through the stainless steel grill, the fine smaller solids become trapped in the mass of K1 Micro. **Bio-films build up** on the **protected surface area** within each piece of media, allowing **biological filtration** to take place.

After passing through the 18 litres of K1 Micro the clean water then rises and overflows into the **inner return pipe** and flows back to the pond via the **outlet**.

The EazyPod Complete is incredibly **simple to clean**, with **Air Clean Technology**. The connected air pump is used during the cleaning cycle to agitate the K1 Micro to free up any debris and waste that has built up within the filter.

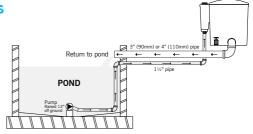


Diagram shows an example of a pump fed installation

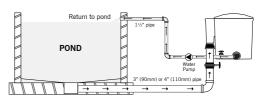


Diagram shows an example of a gravity fed installation for EazyPod and EazyPodAir models only

## 





EVEN EASIER TO MAINTAIN



COMMERCIAL UV STERILISER

### **Ultraviolet Clarifiers For Ponds**

- Eradicates green water in ponds
- Features highly efficient ballasts
- IP Rating of IP65
- Easy to maintain, easy to install
- Removable, serviceable ballast box
- Connects to flexi-hose or rigid pipework
- 6 models; 15W, 25W, 30W, 55W, 75W & 110W
- Commercial UVs also available; 220W, 330W, 440W, 550W









The Evolution Aqua evoUV deliver a more efficient and more economical performance than before thanks to their new design.

The new range includes completely redesigned 30 Watt and 55 Watt models and a 110 UV, a 15 Watt and 25 Watt model perfect for use on the smaller garden pond, along with a 75 Watt version.

Our new range of evoUV pond clarifiers have been manufactured to deliver **optimum performance** at all times. evoUVs have been designed to **clear green water**, which is caused by single celled green algae, and prevent it from returning.







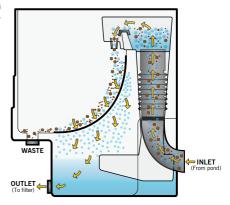
	Model	Max. Pond Size	Max. Flow Rate	Bulb Power	Inlet / Outlet	Dimensions (Excluding Hosetails)	Dimensions (Inlet To Outlet)
	<b>evo</b> 15	15,000 litres 3,300 UK gallons 4,000 US gallons	7,500 litres/hr 1,650 UK gallons/hr 1,800 US gallons/hr	15W (1 x 15W T8)	1½" Comes with hosetails	540mm (I) 116mm (w) 153mm (h)	319mm Centre of inlet to centre of outlet
	ev <sup>o</sup> 25	20,000 litres 4,400 UK gallons 5,300 US gallons	10,000 litres/hr 2,200 UK gallons/hr 2,500 US gallons/hr	25W (1 x 25W T8)	1½" Comes with hosetails	540mm (I) 116mm (w) 153mm (h)	319mm Centre of inlet to centre of outlet
	e <mark>v°</mark> 30	30,000 litres 6,600 UK gallons 7,900 US gallons	15,000 litres/hr 3,300 UK gallons/hr 3,500 US gallons/hr	30W (1 x 30W T8)	1½" Comes with hosetails	990mm (I) 85mm (w) 153mm (h)	768.5mm Centre of inlet to centre of outlet
	ev <b>o</b> 55	55,000 litres 12,100 UK gallons 14,500 US gallons	20,000 litres/hr 4,400 UK gallons/hr 5,000 US gallons/hr	55W (1 X 55W T8)	1½" Comes with hosetails	990mm (I) 85mm (w) 153mm (h)	768.5mm Centre of inlet to centre of outlet
	e <mark>v</mark> 075	75,000 litres 16,500 UK gallons 19,500 US gallons	25,000 litres/hr 5,500 UK gallons/hr 6,600 US gallons/hr	75W (1 X 75W T8)	1½" Comes with hosetails	1293mm (I) 85mm (w) 153mm (h)	1071.5mm Centre of inlet to centre of outlet
E	ev <sup>o</sup> 110	75,000 litres 16,500 UK gallons 19,500 US gallons	25,000 litres/hr 5,500 UK gallons/hr 6,600 US gallons/hr	110W (2 X 55W T8)	2" No fittings supplied	990mm (I) 195mm (w) 280mm (h)	768.5mm Centre of inlet to centre of outlet



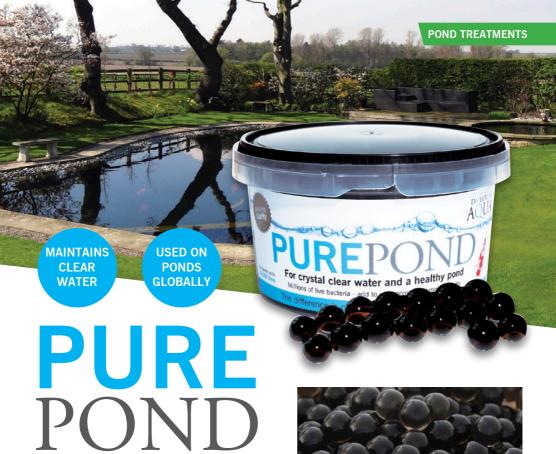
# cetussieve

### Pre-Filter To Remove Waste & Debris

- **Easy** maintenance
- Reduced backwashing of pressure filters
- Simple installation with flexible connectors
- Patented **pondflow** regulation system
- Large waste collection which is easy to clean
- Robust **one piece mould** with no welded joints
- Can be installed on pump or gravity fed set-ups
- 575mm (w) x 945mm (h) x 860mm (d)



Model	Max. Flow Rate	Inlet - Gravity Fed	Inlet - Pump Fed	Outlet - Gravity Fed	Outlet - Pump Fed
cetussieve	18,000 litres/hr 4,000 UK gallons/hr 4,755 US gallons/hr	110mm / 4" eazy connector	4" on Cetus with additional 4" - 1½" eazy connector	3" (90mm) on Cetus with additional 4" - 11/2" eazy connector	3" (90mm) on Cetus factory fitted with 4" eazy connector



### Maintains Healthy Pond Water

- Bacteria and enzymes delivered in gel-like balls
- Maintains crystal clear and healthy water
- Breaks down ammonia and nitrite
- Cleans up organic waste
- Reduces filter maintenance and cleaning
- Suitable for use in all types of ponds
- Add to filter for best results



### Available in three sizes:

500ml treats ponds up to 10,000 litres

1 litre treats ponds up to 20,000 litres

2 litre treats ponds up to 40.000 litres

### What is PURE?

**PURE** is Evolution Aqua's **Award Winning** range of bacterial products for ponds, freshwater aquariums and marine aquariums. **PURE** products contain incredibly high concentrations of friendly bacteria and enzymes. These are contained within a unique delivery system that when added to your pond or aquarium will help to clean up organic waste and break down ammonia and nitrite. The result is **crystal clear** and **healthy** water that sparkles.



# PURE+ FILTER START Gel

### Live Bacteria Gel To Start New Pond Filters

- PURE+ Filter Start Gel is a live, concentrated bacteria culture for use in new pond filters
- The gel based solution will stick to the filter media, allowing the nitrifying bacteria it contains to rapidly colonise your filter
- Once the filter media has been coated with the PURE+ Filter Start Gel, the beneficial bacteria within the gel will speed up the maturation of your filter media, while helping to convert ammonia and nitrite, resulting in less stressed fish
- Available in 2 sizes:
  - 1 litre treats ponds up to 10,000 litres 2.5 litre treats ponds up to 25,000 litres





# PURE POND BOMB

### **Fast Acting Boost Of Clarity**

- High concentration of bacteria and enzymes delivered in one gel-like ball
- Activating gel for improved performance
- Ideal for emergency use in ponds
- Quickly restores biological equilibrium
- Boosts clarity of water
- Breaks down ammonia and nitrite
- Cleans up organic waste



Available in one ball size:

One ball treats ponds up to 20,000 litres

PURE+FILTERSTARTGel PURE POND PURE POND BOMB

START UP

**BIOLOGICAL BOOST** 

**MAINTENANCE** 



### **Stop** Blanketweed

### **Eradicates Blanketweed In Ponds**

- Rapidly breaks down blanketweed
- Prevents the re-growth of blanketweed
- Simple and safe to use mix the required dose with pond water and add to your pond
- Available in 400g, 1kg, 2.5kg & 4kg

Pond Size In Litres	Pond Size In Gallons	Dosage In Grams	3 - 4 Weekly Doses To Eradicate Blanketweed:
900	198	30g	One Scoop
1800	396	60g	Two Scoops
2700	594	90g	Three Scoops
3600	792	120g	Four Scoops
4500	990	150g	Five Scoops
9000	1980	300g	Ten Scoops



### RECOMMENDED DOSING ADVICE

We recommend that you treat your pond with the correct amount of Stop Blanketweed once a week for 3 to 4 weeks or until the blanket weed has died.

Continue with monthly doses to prevent the blanket weed from returning.



# Blanketweed

### The Natural Solution

- 100% natural blanketweed solution
- Fast acting and effective
- Fish, plant and wildlife safe
- Visible results within days
- Available in 400g, 800g, 2kg & 4kg

#### RECOMMENDED DOSING ADVICE

Calculate your pond volume in litres: (Length (m) x Width (m) x Depth (m) x 1000)

Add one scoop of Evolution Aqua Blanketweed powder per 400 litres of pond volume, to a watering can.

Fill the watering can with pond water and stir. Sprinkle the solution evenly over the pond surface. Dose Blanketweed as directed and repeat every 14 days as required.





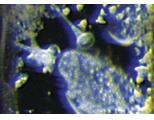
### **K+**Media

### **NEW Advanced Filter Media**

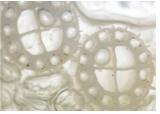
- 1025m<sup>2</sup> per m<sup>3</sup> Protected Surface Area
- Class leading total surface area 1350m² per m³
- Minerals, magnesium, calcium, salt and enzymes incorporated into each piece during extrusion process
- Filters mature faster with K+Media
- Structure of K+Media allows a stable bio-film to form
- Reduces back pressure on pumps for improved efficiency
- Floating version in white Sinking version in black
- Available in 25 litre and 50 litre bags



















## K1Media | K1Micro

### Tried And Tested Filter Media

- 500m² per m³ Protected Surface Area for K1 Media
- 950m² per m³ Protected Surface Area for K1 Micro
- Used with nexus+ and eazypod filters
- Also use in box, pressure and multi-bay filters
- Suitable for mechanical and biological filtration
- Provides large surface area for bacteria to colonise
- K1 Media available in 1 litre, 3 litre, 25 & 50 litres
- K1 Micro available in 1 litre, 25 & 50 litres







	K1Media	K1 Micro
DIAMETER	10.5mm	7mm
LENGTH	8mm	9mm
TOTAL SURFACE AREA	950m²/m³	1400m <sup>2</sup> /m <sup>3</sup>
PROTECTED SURFACE AREA	500m <sup>2</sup> /m <sup>3</sup>	950m²/m³











# detox



- With high capacity, pre-washed carbon
- Removes toxins in tap water
- For use on ponds and indoor aquariums
- No need to wait for chlorine to "gas-off" or to use liquid treatments
- Easily connects to a hose pipe fittings included
- Also can be fitted to rigid pipe
- Available in 12 inch or 30 inch sizes

Product	Treats Up To*	Max. Flow Rate
12 inch dechlorinator	225,000 litres 49,493 UK gallons 59,500 US gallons	4 litres / min
30 inch dechlorinator	550,000 litres 122,083 UK gallons 146,615 US gallons	4 litres / min

BARCODE: 5060088870280



<sup>\*</sup>Maximum treatable water is based on incoming 0.5ppm chlorine.



# **air**pumps

Reliable And Economical Air Pumps

- Provides consistent levels of oxygen in ponds
- High performance, reliable pumps
- Thermal protection as standard
- Airstones and silicone airline also available
- **5 models available** (70, 75, 95, 130 and 150 lpm)

Model	Max. Output (Litres Per Minute)	Output At 1m Depth (Litres Per Minute)	Max. Operating Depth	Power Usage (Watts)	Noise Level (Dba)	Voltage (Vac)	Ea Code	Barcode
Airpump 70	70 lpm	52 lpm	3.2m	34W	<46	220V - 240V	AIRPUMP70	5060088870471
Airpump 75	75 lpm	59 lpm	3.9m	44W	<46	220V - 240V	AIRPUMP75	5060088870488
Airpump 95	95 lpm	78 lpm	4.35m	62W	<47	220V - 240V	AIRPUMP95	5060088870495
Airpump 130	130 lpm	110 lpm	4.7m	88W	<50	220V - 240V	AIRPUMP130	5060088870501
Airpump 150	150 lpm	130 lpm	5.5m	106W	<50	220V - 240V	AIRPUMP150	5060088870518









varipump



### High Performance Controllable Pumps

- **3 models**; 10,000, 20,000 and 30,000
- Adjustable flow control via wired controller
- Designed for use on large ponds
- Energy efficient pump
- Two year warranty
- 10 metre cable length (control box to pump)
- 2 metre cable length (mains to control box)



### **Evolution Aqua Varipump**

Varipump by Evolution Agua is a fully controllable pond pump, suitable for large ponds. The output and energy consumption can be controlled at the push of a button allowing you to set the flow rate to your needs whilst monitoring the operating wattage. Sine wave technology makes the motor quiet, smooth and reliable, delivering consistent performance, while being economical to run.

Available in three sizes, 10,000, 20,000 and 30,000, Varipump is powerful enough to run the largest of ponds and filters, and in the most demanding of situations.

It can be used as a submersible pond pump or it can be installed out of the pond, drawing water from the pond and through your filtration system.



#### **DIMENSIONS**

### Varipump 10,000:

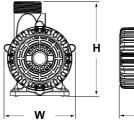
267mm (L) x 122mm (W) x 162mm (H)

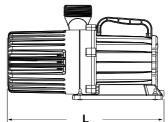
### Varipump 20,000:

319mm (L) x 142mm (W) x 181mm (H)

### Varipump 30,000:

370mm (L) x 155mm (W) x 205mm (H)





	Inlet / Outlet	Max. Flow (Litres Per Hour)	Max. Flow (Gallons Per Hour)	Max. Flow (Us Gallons Per Hour)	Max. Head	Max. Watts
Varipump 10000	1½"	10,000 lph	2,200 gph	2,640 US gph	5.5m	90W
Varipump 20000	2"	20,000 lph	4,400 gph	5,280 US gph	6.5m	190W
Varipump 30000	2"	30,000 lph	6,600 gph	7,925 US gph	6.5m	290W









# Sinking Air Line

### **Innovative Air Line That Sinks** To The Bottom Of The Pond

- Innovative new air delivery hose for ponds
- Simply drop air line into the water
- No additional weights needed
- Extremely robust construction
- Air line has a high resistance to UV light and resists kinking and cracking
- Provides a discreet, tidy installation
- Available in 3 sizes



4mm (Inner diameter) (Available in 100m rolls)



Innovative air

line that sinks to the bottom

of the pond.

8mm (Inner diameter) (Available in 50m rolls)



10mm (Inner diameter) (Available in 30m rolls)



### **Automatic Fish Feeder For Ponds**

- Battery powered up to 3 months off one charge
- Suitable for medium and large ponds
- Easily adjust distance food is propelled
- Versatile to mount at the side of the pond
- Clear digital display behind protective cover
- Dispenses food at timed intervals throughout the day
- Rechargeable lithium battery adapter included
- Fixing pegs and feeding chute included



Feeding Range	Food	Container Volume	Power	Dimensions	EA Code	Barcode
1 to 3 metres 120° angle	3 to 10mm pellets only (Not suitable for flake and stick)	6 litre capacity	Built-in rechargeable battery (Indoor charger cable included)	370mm 310mm 400mm (including tray)	APF001	5056231200585









### **GROWTH**Plus

### For Superior Growth & Enhanced Body Shape

- Ideal for Koi and other varieties of pond fish
- Promotes all aspects of growth and health
- Helps to improve digestion resulting in lower waste
- Enriched with prebiotics
- Precise blend of nutritional ingredients
- Contains vitamins and minerals
- Also contains Omega 3 and 6
- To be fed when pond temperature is above 18°C
- Available in 800g, 2kg, 6kg and 15kg

800g Medium Pellet	EA CODE: F0312	BARCODE: 5060088873601
2kg Medium Pellet	EA CODE: F0322	BARCODE: 5060088873625
6kg Medium Pellet	EA CODE: F0342	BARCODE: 5060088873649
15kg Medium Pellet	EA CODE: F0362	BARCODE: 5060088873663



Ideal for use with





### **PREMIER**

### **Quality Food For Koi And Pond Fish**

800g Small Pellet	EA CODE: F0210	BARCODE: 5060088873045
800g Medium Pellet	EA CODE: F0212	BARCODE: 5060088873052
2kg Small Pellet	EA CODE: F0220	BARCODE: 5060088873069
2kg Medium Pellet	EA CODE: F0222	BARCODE: 5060088873076
6kg Small Pellet	EA CODE: F0240	BARCODE: 5060088873083
6kg Medium Pellet	EA CODE: F0242	BARCODE: 5060088873106
15kg Small Pellet	EA CODE: F0260	BARCODE: 5060088872406
15kg Medium Pellet	EA CODE: F0262	BARCODE: 5060088872413

### ALSO AVAILABLE:

Freshwater Shrimp Silkworm Pupae Pond Sticks Pond Treats



shwater Shrin

### **WHEATGERM**

### All Year Round Fish Food

EA CODE: FO110	BARCODE: 5060088873113
EA CODE: F0112	BARCODE: 5060088873120
EA CODE: F0120	BARCODE: 5060088873137
EA CODE: F0122	BARCODE: 5060088873144
EA CODE: F0140	BARCODE: 5060088873151
EA CODE: F0142	BARCODE: 5060088873168
EA CODE: F0160	BARCODE: 5060088872420
EA CODE: F0162	BARCODE: 5060088872437
	EA CODE: F0112 EA CODE: F0120 EA CODE: F0122 EA CODE: F0140 EA CODE: F0142 EA CODE: F0160





Pond Sticks 150g	EA CODE: EASTICK150	BARCODE: 5060088872116
Pond Sticks 750g	EA CODE: EASTICK750	BARCODE: 5060088872130
Pond Sticks 2.5kg	EA CODE: EASTICK2500	BARCODE: 5060088872123
Pond Treats 1kg	EA CODE: PONDTREAT1KG	BARCODE: 5060088874264









Silkworm Pupae



### Professional Koi Food Range - Exclusively Distributed In The UK

- GOLD PLUS A balanced premium Koi food for brilliant colour development (4.5mm Pellet Size)
- HIGH GROWTH A power food for optimum, quick growth (4.5mm Pellet Size)
- MIX For optimum growth and colouration (4.5mm Pellet Size)
- VITAL Stimulates the immune system for better resistance to infection (4.5mm Pellet Size)
- YUGEN The ultimate immune boosting food (4.5mm Pellet Size)
- Gold Plus 1000g EA CODE: FT110 Gold Plus 2500g EA CODE: FT120 Gold Plus 4500a EA CODE: FT130 Gold Plus 10kg EA CODE: FT140 High Growth 1000g EA CODE: FT150 High Growth 2500g EA CODE: FT160 High Growth 4500g EA CODE: FT170 High Growth 10kg EA CODE: FT180 Mix 1000g EA CODE: FT190 Mix 2500a EA CODE: FT200 Mix 4500a EA CODE: FT210

- EASY For the less active Koi (and a fine winter feed) (4.5mm Pellet Size)
- JUNIOR PREMIUM To bring on Koi at an early stage in their life (2mm Pellet Size)
- STURGEON FEED A complete, well-balanced professional food for Sturgeon (4.5mm Pellet Size)
- FRIEND A complete and economical Koi feed, supporting colour and growth (6mm Pellet Size)
- EASY MIX A mix of 70% floating GOLD PLUS and 30% EASY sinking food. (4.5mm Pellet Size)

Mix 10kg	EA CODE: FT220
Vital 1000g	EA CODE: FT230
Vital 2500g	EA CODE: FT240
Vital 4500g	EA CODE: FT250
Vital 10kg	EA CODE: FT260
Easy 1000g	EA CODE: FT270
Easy 2500g	EA CODE: FT280
Easy 4500g	EA CODE: FT290
Easy 10kg	EA CODE: FT300
Junior Premium 1000g	EA CODE: FT310
Junior Premium 2500g	EA CODE: FT320

Sturgeon Feed 1500g	EA CODE: FT330
Sturgeon Feed 4000g	EA CODE: FT340
Sturgeon Feed 7500g	EA CODE: FT350
Sturgeon Feed 15kg	EA CODE: FT360
Yugen 750g	EA CODE: FT370
Yugen 2500g	EA CODE: FT380
Friend 10kg	EA CODE: FT390
Easy Mix 1kg	EA CODE: FT540
Easy Mix 2.5kg	EA CODE: FT550
Easy Mix 4.5kg	EA CODE: FT560
Easy Mix 10kg	EA CODE: FT570









### Pipework & Fittings - Product Codes

EA Code	Pipe Length 2 Metre	
U15-025	3/4" x 2m Class E Pipe	
U15-032	1" x 2m Class E Pipe	75566666
U15-050	11/2" x 2m Class D Pipe	200000
U15-063	2" x 2m Class C Pipe	30000000 30000000000000000000000000000
U15-090	3" x 2m Class C Pipe	
U15-110	4" x 2m Class C Pipe	

(6m Lengths Available From EA Stockists. Additional Delivery Costs Will Apply)

EA Code	Sight Glass Single Union Ea	ich End
U40-050	1½" Sight Glass	
U40-063	2" Sight Glass	-
EA Code	Reducing Sleeves (Black Co	ollar)
M35-050	1½" Reducer – 40mm	
M35-063	2" Reducer – 50mm	
M35-090	3" Reducer – 83mm	
M35-110	4" Reducer – 110mm	

EA Code	Hosetail	
HOSETAIL15	1½" Solvent Weld (Black)	
HOSETAIL15TH	1½" Threaded (Black)	•

EA Code	Single Union Ball Valve
K25-00-50	11/2"



EA Code	Double Union Ball Valve	
K25-50-25NEW	3/4"	
K25-50-32	1"	
K25-50-50NEW	11/2"	
K25-50-63	2"	
K25-50-90	3"	
K25-50-110	4"	

EA Code	Valterra Slide Valves	
VALTERRA1.5	11/2"	I
VALTERRA1.5NEW	1½" Female / Male thread	
VALTERRA2	2"	
VALTERRA3	3"	
VALTERRA4	4"	
VALTERRA110	110mm	

EA Code	T-Piece Plain Female	
K82-31-22	3/4"	
K82-31-33	1"	1
K82-31-55	11/2"	
K82-31-66	2"	
K82-31-99	3"	
K82-31-110	4"	

EA Code	90° Bend / Elbow - Plain Fem	nale
K82-42-22	3/4"	
K82-42-33	1"	
K82-42-55	11/2"	
K82-42-66	2"	
K82-42-99	3"	
K82-42-110	4"	

EA Code	90° Swept Bend Plain Female	•
U44-050	11/2"	
U44-063	2"	
U44-090	3"	100
U44-110	4"	

EA Code	Plain Reducing Bushes	
R81-022	3/4" to 1/2"	
R81-033	1 " to 3/4"	THE REAL PROPERTY.
R81-050	1½" to ¾"	
R81-052	1½" to 1"	
R81-063	2" to 1½"	
R81-070	3" to 1½"	
R81-075	3" to 2"	
R81-110	4" to 2"	
R81-120	4" to 3"	

EA Code	45° Bend	
K82-51-22	3/4"	
K82-51-33	1"	
K82-51-55	11/2"	
K82-51-66	2"	
K82-51-99	3"	
K82-51-110	4"	

EA Code	Straight Connector Plain Female					
K82-05-22	3/4"					
K82-05-33	1"					
K82-05-55	1½"					
K82-05-66	2"					
K82-05-99	3"					
K82-05-110	4"					

EA Code	Straight Connector Convertor Metric - Imperial				
K81-25-22	25mm to 3/4"				
K81-25-33	32mm to 1"				
K81-25-55	50mm to 11/2"				
K81-25-66	63mm to 2"				
K81-25-88	90mm to 3"				
K81-25-110	110mm to 4"				

### Pipework & Fittings - Product Codes

EA Code	Straight Connector Threaded Female to Plain Female
K82-20-22	3/4" thread to 3/4" pipe
K82-20-33	1" thread to 1" pipe
K82-20-55	1½" thread to 1½" pipe
K82-20-66	2" thread to 2" pipe
EA Code	Straight Connector Threaded Male to Plain Female
K82-23-55	1½" thread to 1½" pipe
K82-23-66	2" thread to 2" pipe
EA Code	Single Union Plain female to plain female
K82-74-22	3/4"
K82-74-33	1"
K82-74-55	11/2"
K82-74-66	2"
K82-74-77	3"
K82-74-99	4"
EA Code	Single Union Female Threaded - Plain Female
K82-76-22	3/4" thread to 3/4" pipe
K82-76-33	1" thread to 1" pipe
K82-76-55	$1\frac{1}{2}$ " thread to $1\frac{1}{2}$ " pipe
K82-76-66	2" thread to 2" pipe
K82-76-99	3" thread to 3" pipe
K82-76-110	4" thread to 4" pipe
EA Code	Single Union Male Threaded - Plain Female
K82-78-55	Union 1½" x 1½" Male
K82-78-66	Union 2" x 2" Male
K82-78-66 EA Code	Union 2" x 2" Male  Pipe Clip / Clamps
EA Code	Pipe Clip / Clamps
EA Code K82-11-22	Pipe Clip / Clamps 3/4"
EA Code K82-11-22 K82-11-33	Pipe Clip / Clamps 3/4" 1" 11/2" 2"
EA Code K82-11-22 K82-11-33 K82-11-55	Pipe Clip / Clamps 3/4" 1" 11/2" 2" 3"
EA Code K82-11-22 K82-11-33 K82-11-55 K82-11-66	Pipe Clip / Clamps 3/4" 1" 11/2" 2"
EA Code K82-11-22 K82-11-33 K82-11-55 K82-11-66 K82-11-99	Pipe Clip / Clamps 3/4"  1" 11/2" 2" 3" 4"  End Caps
EA Code K82-11-22 K82-11-33 K82-11-55 K82-11-66 K82-11-99 K82-11-110	Pipe Clip / Clamps 3/4"  1" 11/2" 2" 3" 4"  End Caps 3/4"
EA Code K82-11-22 K82-11-33 K82-11-55 K82-11-66 K82-11-99 K82-11-110 EA Code	Pipe Clip / Clamps  3/4"  1"  1½"  2"  3"  4"  End Caps  3/4"  1"
EA Code K82-11-22 K82-11-33 K82-11-55 K82-11-66 K82-11-99 K82-11-110 EA Code K82-67-22 K82-67-33 K82-67-55	Pipe Clip / Clamps  3/4"  1"  1½"  2"  3"  4"  End Caps  3/4"  1"  1½"
EA Code K82-11-22 K82-11-33 K82-11-55 K82-11-66 K82-11-99 K82-11-110 EA Code K82-67-22 K82-67-33 K82-67-55 K82-67-66	Pipe Clip / Clamps  3/4"  1"  1½"  2"  3"  4"  End Caps  3/4"  1"  1½"  2"
K82-11-22 K82-11-33 K82-11-55 K82-11-66 K82-11-99 K82-11-110 EA Code K82-67-22 K82-67-33 K82-67-55 K82-67-66 K82-67-99	Pipe Clip / Clamps  3/4"  1"  1½"  2"  3"  4"  End Caps  3/4"  1"  1½"  2"  3"
EA Code K82-11-22 K82-11-33 K82-11-55 K82-11-66 K82-11-99 K82-11-110 EA Code K82-67-22 K82-67-33 K82-67-55 K82-67-66	Pipe Clip / Clamps  3/4"  1"  1½"  2"  3"  4"  End Caps  3/4"  1"  1½"  2"
K82-11-22 K82-11-33 K82-11-55 K82-11-66 K82-11-99 K82-11-110 EA Code K82-67-22 K82-67-33 K82-67-55 K82-67-66 K82-67-99	Pipe Clip / Clamps  3/4"  1"  1½"  2"  3"  4"  End Caps  3/4"  1"  1½"  2"  3"  4"  Non-Return Valves
K82-11-22 K82-11-33 K82-11-55 K82-11-66 K82-11-99 K82-11-110 EA Code K82-67-22 K82-67-33 K82-67-55 K82-67-66 K82-67-99 K82-67-110	Pipe Clip / Clamps   3/4"
K82-11-22 K82-11-33 K82-11-55 K82-11-66 K82-11-99 K82-11-110 EA Code K82-67-22 K82-67-33 K82-67-55 K82-67-66 K82-67-99 K82-67-110 Product Code	Pipe Clip / Clamps  3/4"  1"  1½"  2"  3"  4"  End Caps  3/4"  1"  1½"  2"  3"  4"  Non-Return Valves
K82-11-22 K82-11-33 K82-11-55 K82-11-66 K82-11-99 K82-11-110 EA Code K82-67-22 K82-67-33 K82-67-55 K82-67-66 K82-67-99 K82-67-110 Product Code K25-50-00	Pipe Clip / Clamps   3/4"
EA Code K82-11-22 K82-11-33 K82-11-55 K82-11-66 K82-11-99 K82-11-110 EA Code K82-67-22 K82-67-33 K82-67-66 K82-67-66 K82-67-99 K82-67-110 Product Code K25-50-00 I31N.0630	Pipe Clip / Clamps   3/4"   1"   11/2"   2"   3"   4"   1"   1/2"   2"   3/4"   1"   11/2"   2"   3"   4"   1"   11/2"   2"   3"   4"   1"   11/2"   2"   2"   3"   4"   1/2"   Non-Return Valves   11/2"   Non Return Valve   2"   Non Return Valve

### eazyconnectors

EA Code	Eazy Connector - Straight Connectors	
FE027-027	3/4" (27mm to 22mm)	
FE035-035	1" (34mm to 24mm)	
FE049-049	1½" or 40mm waste* (49mm to 41mm	)
FE062-062	2" (61mm to 46mm)	Acres (in
FE090-090	3" (92mm to 80mm)	
FE112-112	4" (114mm to 97mm)	
FE162-162	6" (170mm to 150mm)	

EA Code	Eazy Connector - Adaptors	
DACE44-37	1½" to 1¼" (44-36mm to 37-29mm)	
FE061-047	2" to 11/2" (60-48mm to 48-40mm)	
DACE89-48	3" to 11/2" (90-75mm to 48-40mm)	
NAC0752	3" to 2"	
FE111-049	4" to 1½" (111-100mm to 48-40mm)	
FE113-059	4" to 2" (112-100mm to 60-48mm)	
FE111-085	4" to 3" (114-97mm to 89-75mm)	
FE163-111	6" to 4" (162-147mm to 114-97mm)	

EA Code	Eazy Connector - Adaptors	
DACE122-48	Nexus In/Out to 11/2	
NAC1004	Nexus In/Out to 2" (122-115 to 68-61mm)	
NPC125	Nexus In/Out to 4" (115 to 100mm)	

EA Code	Eazy Connector - Elbows	
FE048L	1½" or 40mm waste*	APA.
FE60L	2" (60 to 48mm) elbow	16
FE85L	3" (89 to 75mm) elbow	
FE112L	4" (114 to 97mm) elbow	11000

EA Code	Eazy Connector - Tees
FE048T	1½" or 40mm waste*
FE060T	2" (60 to 48mm) tee
FE085T	3" (89 to 75mm) tee
FE112T	4" (114 to 97mm) tee

100
Compa (d)

EA Code	Eazy Connector - Stop End Cap	
FE048C	1½" or 40mm stop end cap⁺	
FE060C	2" (60 to 52mm) stop end cap	4
FE085C	3" (90 to 75mm) stop end cap	
FE112C	4" (115 to 102mm) stop end cap	

EA Code	Air Fittings		
1000-023	12mm Equal Y	£	4
1000-030	12mm Equal Tee	<b>(P)</b>	4
1000-042	12mm Equal Elbow		
1000-085	3/8" Mini Ball Air Valve (F/F)		
1000-080	3/8" BSP Male Stud End	ditta	8
1000-081	12mm x 3/8" Elbow BSP Male Thread	ALES A	
1000-135	12mm LPD Tube x 1m	~	U
K81-10-05	12mm Pipe Clips	1	AL

EazyConnector tolerance range of +1 / -2mm



S99-0-500







Pipe Cleaner 500ml

### **Pond Volume Calculators**



Calculating pond volume of rectangular pond:

AVERAGE LENGTH	х	AVERAGE WIDTH	X	AVERAGE DEPTH	х	FACTOR		VOLUME
metres	х	metres	Х	metres	Х	1,000	=	litres
fee	: x	feet	Х	feet	Х	6.25	=	gallons

Calculating pond volume of a circular pond (Pi x radius2):

R	RADIUS	x	RADIUS	x	3.14	X	AVERAGE DEPTH	x	FACTOR		VOLUME
	metres	Х	metres	Х	3.14	Х	metres	Х	1,000	=	litres
	feet	Х	feet	Х	3.14	Х	feet	Х	6.25	=	gallons

### **Useful Conversions**

### CONVERTING LITRES TO GALLONS

(number of) litres x 0.219969 = (number of) UK gallons

#### CONVERTING GALLONS TO LITRES

(number of) UK gallons x 4.54609 = (number of) litres

### **CONVERTING US GALLONS TO LITRES**

(number of) US gallons x 3.78541 = (number of) litres

### CONVERTING CUBIC METRES TO LITRES

(number of) cubic metres x 1000 = (number of) litres

### **CONVERTING METRES TO FEET**

(number of) metres x 3.28084 = (number of) feet

### **CONVERTING FEET TO METRES**

(number of) feet x 0.3048

= (number of) metres

### **Pipe Dimensions**

Evolution Aqua pressure pipe is available in 2 metre lengths (6 metre lengths are also available on request). Our grey PVC-U pipe complies to BS EN 1452 / BS3506. Please note, we only advise using pressure pipe on pond filtration installations. We never recommend using waste pipe.

SIZE	OUTER DIAMETER	THICKNESS	INNER DIAMETER		
3/4" CLASS E	26.7mm	2.2mm	22.3mm		
<b>1"</b> CLASS E	33.6mm	2.4mm	28.8mm		
1½" CLASS D	48.3mm	2.7mm	42.9mm 54.9mm		
<b>2"</b> CLASS C	60.3mm	2.7mm			
3" CLASS C	88.9mm	3.8mm	81.3mm		
<b>4"</b> CLASS C	114.3mm	4.8mm	104.7mm		



### **VISIT OUR WEBSITE AND FOLLOW US ON SOCIAL MEDIA**



For all the latest Evolution Aqua news sign up to our email newsletter to have the newest info delivered direct to your inbox. Keep up to date by following us on social media, join our Pond Owners Club on Facebook or check out our website for technical information and product advice at www.evolutionagua.com.



### INSTRUCTION MANUALS

Download instruction manuals for all Evolution Aqua products



### **EA POND OWNERS CLUB**

Search Evolution Agua Pond Owners Club on Facebook to join the community



### PARTS STORE

Find spare parts and accessories for Evolution Agua products



### **FACEBOOK**

Keep updated with our latest news at facebook.com/evolutionagua



### **FAQS**

Read frequently asked questions about Evolution Agua products



### **INSTAGRAM**

Follow us on Instagram for updates at instagram.com/evolution aqua



### **EMAIL NEWSLETTERS**

Sign up to receive our email newsletters at evolutionagua.com/newsletter



#### TIKTOK

Follow us on TikTok at tiktok.com/@evolution aqua



### STOCKISTS

Locate your nearest Evolution Aqua product stockist



#### YOUTUBE

Watch our YouTube channel at youtube.com/evolutionaqualtd













### INNOVATION IN WATER

### Follow Us On:









### **Evolution Aqua Ltd.**

Evolution House, Kellet Close, Wigan, Lancashire, United Kingdom, WN5 0LP

info@evolutionaqua.com www.evolutionaqua.com























