

EAZYUG220320161117MAN

**UK**  
English

**EVOLUTION**  
**AQUA**  
INNOVATION IN WATER

# **nexus<sup>O O</sup><sup>TM</sup> 220/320 UPGRADE KIT**

**Installs a new EAZY filter into  
Nexus 200 / 300 manufactured after 2006  
and Nexus 210 / 310 manufactured after 2009**

## **IMPORTANT PLEASE READ:**

Your Nexus **MUST** be installed on a solid,  
level base a minimum of 1.2 metre x 1 metre.

## INTRODUCING THE NEXUS 220 / 320 EAZY UPGRADE KIT

Congratulations on purchasing an **Evolution Aqua Nexus 220 / 320 EAZY** upgrade kit. This kit provides all you need to install the new EAZY into Nexus 210 and 310 models manufactured after 2006.

### KEY BENEFITS:

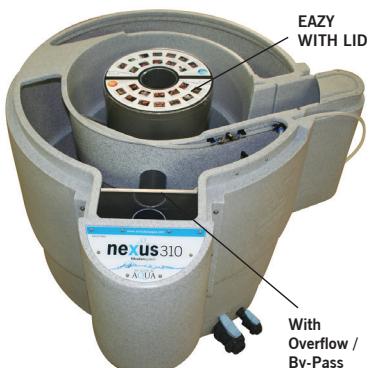
- **Re-designed EAZY filter** which utilises **K1 Micro Filter Media** to deliver improved mechanical filtration.
- **Improved flow** in all directions through the EAZY thanks to more efficient slot pattern of the EAZY.
- **Better settlement of solid waste** - larger area for waste to settle
- **Removable EAZY** - can be removed if needed during maintenance.

### COMPATIBILITY:

#### FOR USE WITH

#### NEXUS 210 / 310

Manufactured between  
2009 and 2014



#### FOR USE WITH

#### NEXUS 200 / 300

Manufactured between  
2006 and 2009



#### NOT COMPATIBLE WITH NEXUS 200 / 300

Manufactured before 2006



Or Nexus  
models  
fitted with  
“The Answer”



## PARTS LIST

Your Nexus Upgrade Kit comes complete with the following items:



**WARNING:** The stainless steel eazy has very sharp edges, take care when handling



### 1) Eazy Mechanical Filter

K1Micro<sup>®</sup> is supplied in place in the centre of the Eazy.

- 18 Litres K1 Micro supplied in a 220 EAZY
- 20 Litres K1 Micro supplied in a 320 EAZY

The EAZY also has in position:

- The centre column,
- Air ring and airline,
- Clear Lid.



### 3) Spare Screws



### 4) Nexus Cleaning Instructions

- Red coloured instructions for cleaning Gravity Fed installations.
- Blue coloured instructions for cleaning Pump Fed installations.

## INSTALLATION INSTRUCTIONS

1. Empty water from the centre chamber of the Nexus. (As per cleaning instructions).
2. Empty K1 Media out of your existing EAZY. (Take care as the grills in the Eazy can be sharp)
3. Unscrew the 9 screws at the base of the existing EAZY (these are located on the outside of the EAZY on the 310, and on the inside of the 210). If the EAZY is not screwed down, simply lift out.
4. Unscrew the 1 screw on the drain grill. (310 only).
5. Unclip the air-ring.
6. Remove the air-ring and discard.
7. Replace the screws you removed in step 3 / 4. You can use the spare screws provided if you wish. These screws do not need to be watertight when put back in place.
8. Remove the centre column from your existing EAZY by unscrewing the jubilee clip. Pull the centre pipe away.
9. Unscrew air-line clips from the centre cone of the Nexus.
10. Now replace these screws.
11. Remove the EAZY from the centre chamber.
12. Take the new EAZY supplied in this kit and slide over the cone of the centre chamber (Fig.1). Push firmly into place (this can be a tight fit). The EAZY will be in position when it hits the lip on the centre cone (Fig.2).
13. Twist the EAZY into position so that the centre seam with rivets lines up with the centre of the overflow pipe (Fig.3). (If you do not have the overflow pipe line seam up in line with centre of outlet) (Fig.4).
14. Connect the air-line from the air-ring to the air valve.
15. Your EAZY is supplied with the correct amount of K1 Micro in place.



Fig. 1

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Fig. 2



Fig. 3

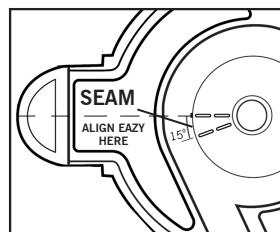


Fig. 4

## OPERATING INSTRUCTIONS - NEXUS

Once your Nexus is installed and plumbed in as instructed, you are ready to fill the Nexus and begin filtering your pond water.

To fill your Nexus first you need to open the inlet valve. With a pump fed unit you then need to switch on your pump.

Once the Nexus is full, you will notice that both the K1 Media in the outer chamber and the K1 Micro in the Eazy will float on the surface of the water. In a pond containing fish, the media will absorb pond water and become semi-buoyant within a week. This is perfectly normal.

Now your Nexus is full it is time to turn on your air pump to circulate the media making sure the air valve to the outer chamber is open and the valve to the Eazy is closed.



Figure 5.1. Normal operation



Figure 5.2. Needs cleaning

## CLEANING YOUR NEXUS 320 PUMP FED

The central Eazy section of the Nexus will collect all the debris and suspended solids that come into the filter. In time you will find out how often you need to clean this, and probably get into a routine to keep the filter working at its optimum. Each pond is different, and the regularity of cleaning is affected by stocking levels and feeding rates along with other factors such as algae in the pond.

### WHEN TO CLEAN?

We recommend cleaning the Eazy every 1 to 2 weeks. If however during this time water is flowing out of the overflow as shown in Figure 5.2 then the Eazy is blocked and requires cleaning.

Normally we would not recommend leaving the filter uncleaned more than 3 weeks. The filter can be left longer if absolutely necessary but this would not be best practice.

## CLEANING INSTRUCTIONS - PUMP-FED

For cleaning instructions, refer to the blue cleaning guide supplied with your Nexus or follow the instructions below:

1. **Insert** cleaning pipe into the centre of the Eazy. Water level in the filter will start to rise.
  2. Once the water level to a level just below the overflow, **close** the inlet valve.
  3. **Switch** water pump **off**.
  4. **Insert** inlet slide plate.
  5. **Open** air valve to the **inner chamber**.
  6. **Close** the air valve to the **outer chamber**.
  7. Allow the K1 Micro in the Eazy to **agitate** for **5 minutes**.
  8. **Open** the larger waste valve and wait for the **inner chamber** to empty.
  9. At this stage you may want to **hose down** any debris from underneath the Eazy.
  10. **Close** the waste valve.
  11. **Open** the air valve to the **outer chamber**.
  12. **Close** the air valve to the **inner chamber**.
  13. **Open** Nexus inlet valve.
  14. **Remove** inlet slide plate and then **switch** pump **on**.
- Steps 2 to 14 should be repeated until the Eazy is clean. It is likely that you will need to do this 2 to 3 times depending on your pond.*
15. When water level rises to the same level as the **outer chamber** **remove** the cleaning pipe.

## FURTHER MAINTENANCE - PUMP-FED

From time to time, you may find that the level of water in the inner chamber overflows and the normal cleaning procedure does not prevent this happening. At this point it may be necessary to carry out a **Back Flush** of your Nexus. This is a simple operation which can be done during your normal cleaning procedure.

To perform a **Back Flush**:

- Pause the cleaning procedure at step 9. Double check that air valve to the outer chamber is closed. The inner chamber and Eazy will be empty of water.
- Pull out the cleaning pipe and stand back. Water will purge back from the outer chamber up through the centre pipe clearing any blockage in the transfer points. When the water has stopped running backwards through the centre column, install cleaning pipe back into the centre. After this continue the cleaning procedure from step 9.
- Back flushing can be done with the Eazy installed or removed. (A greater purge can be achieved with the Eazy removed. See below for removing the Eazy.)

### REMOVING THE EAZY

Periodically you may want to remove the Eazy in order to clean the air bar (recommended every 6 - 12 months).

The Eazy has been designed so that it can be easily lifted out of the Nexus.

To do this:

- Empty the inner chamber of water as you would during a cleaning procedure.
- Turn off the air pump.
- Disconnect the airline from the airline valve to the inner chamber by pulling back the blue collar on the valve and gently removing the airline.
- Lift out the Eazy, taking note of its original position.

When you replace the Eazy it is essential that it is installed in the correct position for optimum performance. To do this check that the seam on the Eazy aligns with the centre of the overflow, see Figure 6. To do this:

- Install the Eazy back in the centre chamber (check seam is aligned with overflow pipe)
- Reconnect the airline to the inlet airline valve (push-fit)
- Turn the air pump back on.
- You can then fill the inner chamber with water as you would when completing the cleaning procedure.



Figure 6. Align the Eazy seam to the centre of the overflow pipe.



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## CLEANING INSTRUCTIONS - GRAVITY-FED

For cleaning instructions, refer to the red cleaning guide supplied with your Nexus or follow the instructions below:

1. **Switch** the circulation pump **off**. Wait for 1 minute.
2. **Insert** the inlet slide plate.
3. **Insert** the cleaning pipe into the centre of the Eazy.
4. **Open** air valve to the **inner chamber**.
5. **Close** the air valve to the **outer chamber**.
6. Allow the K1 Micro in the Eazy to **agitate** for **5 minutes**.
7. **Open** the larger waste valve and wait for the **inner chamber** to empty.
8. At this stage you may want to **hose down** any debris from underneath the Eazy.
9. **Close** the waste valve.
10. **Open** the air valve to the **outer chamber**.
11. **Close** the air valve to the **inner chamber**.
12. **Remove** the inlet slide plate and wait until the **inner chamber** has filled with water.
13. Once **inner chamber** has filled, **remove** the cleaning pipe.
14. **Switch** the circulation pump **on**.

## FURTHER MAINTENANCE - GRAVITY-FED

From time to time, you may find that the level of water in the outer chamber runs lower than normal and the normal cleaning procedure does not rectify this. At this point it may be necessary to carry out a **Back Flush** of your Nexus. This is a simple operation which can be done during your normal cleaning procedure.

To perform a **Back Flush**:

- Pause the cleaning procedure at step 8. Double check that air valve to the outer chamber is closed. The inner chamber and Eazy will be empty of water.
- Pull out the cleaning pipe and stand back. Water will purge back from the outer chamber up through the centre pipe clearing any blockage in the transfer points. When the water has stopped running backwards through the centre column, install cleaning pipe back into the centre. After this continue the cleaning procedure from step 8.
- Back flushing can be done with the Eazy installed or removed. (A greater purge can be achieved with the Eazy removed. See below for removing the Eazy.)

### REMOVING THE EAZY

Periodically you may want to remove the Eazy in order to clean the air bar (recommended every 6 - 12 months).

The Eazy has been designed so that it can be easily lifted out of the Nexus.

To do this:

- Empty the inner chamber of water as you would during a cleaning procedure.
- Turn off the air pump.
- Disconnect the airline from the airline valve to the inner chamber by pulling back the blue collar on the valve and gently removing the airline.
- Lift out the Eazy, taking note of its original position.

When you replace the Eazy it is essential that it is installed in the correct position for optimum performance. To do this check that the seam on the Eazy aligns with the centre of the overflow, see Figure 7. To do this:

- Install the Eazy back in the centre chamber (check seam is aligned with overflow pipe)
- Reconnect the airline to the inlet airline valve (push-fit)
- Turn the air pump back on.
- You can then fill the inner chamber with water as you would when completing the cleaning procedure.



Figure 7. Align the Eazy seam to the centre of the overflow pipe.

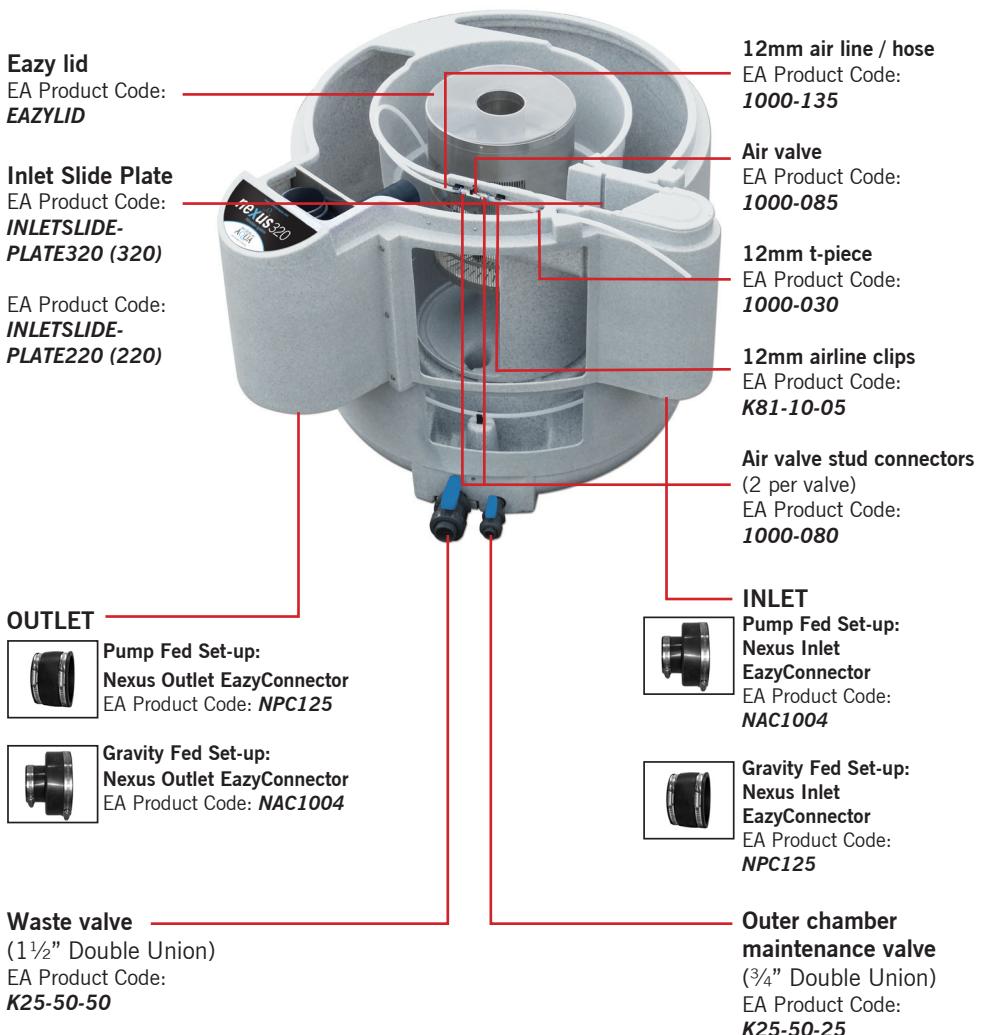


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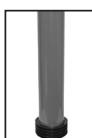


## NEXUS SPARE PARTS LIST

There are a number of spare parts for the Nexus 320 / 220 that are readily available from Evolution Aqua dealers. See diagram below for relevant spare parts and product codes:



### ADDITIONAL ITEMS:



**Nexus Cleaning Pipe**  
(Eazy Isolation Pipe 90mm)  
EA Product Code:  
**5000-329**



**K1 Media**  
(50 Litre)  
EA Product Code:  
**MEDIA50L**

## TROUBLESHOOTING

### K1 Micro is floating but K1 Media is not, why is this?

The K1 Media in normal conditions becomes semi-buoyant within 48 hours. However, the K1 Micro (only in the Eazy) takes longer to absorb water. This can take up to one week.

### The K1 Micro in the Eazy doesn't move well during the cleaning cycle.

The reasons for this could be one of the following:

- The air pump is not powerful enough (see Air Pump Recommendation on website)
- There isn't enough water in the Nexus – check that you used the cleaning pipe to maintain the level on a pump fed system.
- Check all air fittings and air line for leaks and blockages.
- Please ensure that there is no more than 20 litres (320) or 18 litres (220) of K1 Micro in the Eazy. If the media is not moving well enough you can take a few small handfuls out if needed.

### I have an Ammonia and / or Nitrite reading.

A typical filter can take approximately 8 weeks to mature. During this time Ammonia and Nitrite levels will rise and fall. This process can be accelerated by using PUREPOND.

If you still experience Ammonia and Nitrite readings after this period of time, check the following:

- Nexus is adequately sized for the pond.
- Check flow rate is correct - ensure the pond water is being turned over through the Nexus every 2 to 3 hours without exceeding the maximum flow of the unit.
- Check chlorine levels of tap water and pond water - ensure a dechlorinator is used on mains water top ups.
- Ensure pond water pH is above 7. If it is above pH 7 keep it as stable as possible.
- Check feeding and stocking rates of pond.

### I have an issue with green water.

Please ensure that an appropriately sized evoUV is installed on your system.

### I have excessive blanket weed growing in my pond and filter maintenance is slightly higher than normal.

Use a full course of Stop Blanketweed treatment to eliminate the weed and fine algae particles. Normal filter maintenance will be resumed.

### My pond has been running for longer than 2 months and my water is cloudy.

• It is important that the Eazy is flushed a minimum of 2 times during cleaning. This ensures that all the debris collected is flushed out to waste. If the unit is only cleaned once some debris can be returned to the pond, clouding the water. Flush the unit 2 to 3 times as per the cleaning instructions and water clarity should be restored within 3 to 7 days.

- Check your pond food is of a good quality and it is not discolouring your water. If it is please use Evolution Aqua's range of pond food.
- Check that the evoUV is working and the bulb has not exceeded its 9000 hours lifespan. It is recommended to change a UV-C bulb at the start of each pond season.
- Check that you turned your circulating pump off and that you have used the cleaning pipe, so that the dirt in the K1 Micro hasn't returned to the pond.
- Check that you have the correct amount of K1 Micro in the Eazy.

**Evolution Aqua** are the award winning pond filtration manufacturer who put innovation, research and development at the top of their agenda. With a proven track record for delivering the latest technology to the aquatics and fish farming markets - we are the first choice for everyone from the general hobbyist to the serious fishkeeper. Find out more about the Nexus and all of our other innovative products at [www.evolutionaqua.com](http://www.evolutionaqua.com). The difference is clear.



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