FILTER CLEANING AND MAINTENANCE

When a drop in performance is noted, the need for filter cleaning is the most common reason. Cleaning intervals depend on your pond environment.

The foam filters will need replacement seasonally at minimum, and are available in various materials. See our website for details on all replacement parts.

The biological media should not be replaced if you are keeping a balanced pond. It will require cleaning of excess debris, but the beneficial bacteria remains.

The ceramic media will degrade over time and can be replaced. The "bio-balls" can be opened to refill the ceramic media.

We recommend Microbe-Lift brand products to "charge up" the Filters' biological components with the beneficial bacteria necessary to convert waste and pollutants into healthy by-products that further support a balanced pond.

If you are placing the filter in a hard to access part of the pond, we suggest attaching a natural jute string to the unit to aid in adjustments and maintenance.

1. Rinse foam filter pads with clean water outside of pond.
2. Filter pads that are hard to clean should be replaced.
3. Clean the bio-media by rinsing with clean water outside the pond.
4. Cleaning agents or chemicals should not be used.
5. If storing the filter for winter, it should be dry and clean. Recharge the filter with beneficial bacteria for start up in the spring.

LIMITED WARRANTY

This product is warranted to the original user against defective materials and workmanship for a period of 12 months. Warranty does not cover replaceable filter materials such as foam or bio media. Our limited warranty does not cover any costs associated with the installation or removal of products subject to warranty claims or the cost of return of the pump. The warranty will commence from the date of purchase. Replacement liability is limited to any part or parts of the unit which have failed due to defective material or workmanship. Proof of purchase is required for all claims against the limited warranty. This warranty does not extend to damage of the product or part resulting from accident, misuse, alteration, neglect, abuse, improper installation or normal wear and tear to the product(s). This limited warranty extends only to the original user of the product.

For more information on this and other products, please visit our web site:
www.angelodecor.com
To contact us regarding this unit, your options include:
Email:customersupport@angelodecor.com | Phone: (780) 453 - 6646 | Fax: (780) 453- 6620
Angelo Décor International Inc. | 15840 – 118th Avenue | Edmonton, AB |T5V 1C4

POND FILTER BOX 600 AD46400

COMPONENTS

01. Snap-On Filter Box Cover
02. Coarse Foam Mechanical Filter
03. Fine Foam Mechanical Filter
04. Bio-Balls with Ceramic Media
05. Bagged Rock Bio Media
(For optional use designed for in line operation)
06. Reservoir with dual outputs
07. ¾" / 1" Tubing Output
08. Tubing for Dual Feature Output
(3/4" Black and 3/4" to 1/2" Silicone)
09. Feature Output assembly/cap
10. Threaded cap(s) for closing outputs



Diagram #1

INTENDED USE:

This Filter Box is designed for **use fully submersed at the bottom of a pond**, and can be adapted to numerous filtration scenarios based on your individual application.

Please be advised that ANY filtration system is intended to be a part of a balanced pond environment, and is not intended to cure algae or other pond problems on its own.

This guide outlines the methods we recommend when using the Filter Box with our ***Pond Building Series™* Pumps** (sold separately), however this item can be used with virtually any pump with a flow rate of up to 750 gallons per hour.

Diagram #1 above will assist in ordering **replacement filter parts**, as well as help you identify the components required to achieve the filtration applications described below.

QUESTIONS? REPLACEMENT PARTS?

PLEASE DO NOT RETURN THIS PRODUCT TO THE STORE.

Visit our website (www.angelodecor.com) for more information and videos on how to assemble and properly use your product.

IMPORTANT SAFETY INFORMATION:

1. **NEVER leave children unsupervised or out of sight around ANY pond environment.**
2. **Always unplug power from pumps or other electrical devices BEFORE putting hands in water, or if service and maintenance is performed.**
3. **Always use properly grounded (GFCI) electrical equipment and a drip loop on any power cords to prevent water from travelling along the cord.**
4. **Do not lift the Filter Box out of the pond using the pump cord.**
5. **Item is intended for use with water only. Do not use with flammable materials.**
6. **Do not use with pumps with a rating larger than 600ghp as the filter may limit flow rate causing heat buildup and potential pump failure.**

FILTER FEATURES AND CAPACITY

Intended for use on pond bottom, filter is effective for ponds up to 600 gallons that have a minimum of features and are located in an ideal environment.

Environments with full sunlight and / or heavy fish or plant counts, will require more frequent cleaning and affects the capacity of the filter.

Our Recommended Pond Size Guidelines:
More than 6" of fish per square foot – 400 Gallon Maximum
Shallow Ponds (Less than 2' water depth) – 500 Gallon Maximum
Ponds located in full sunlight – 400 Gallon Maximum

If you have a larger environment than described above, we suggest our Pond Filter Box 1500 or Pressure Filter 1000 as a better alternative.

POND HEALTH TIPS BEFORE INSTALLATION

For best results functional (plants and fish) ponds should not be exposed to full sun, and have sufficient plant cover to promote a balanced environment.

Overfeeding fish is the #1 contributor to pond problems, and should be avoided.

We recommend Microbe-Lift brand products to "charge up" the Filters' biological components with the beneficial bacteria necessary to convert waste and pollutants into healthy by-products that further support a balanced pond.

Choose an area for your filter that takes advantage of its "low profile" to hide the unit and fittings, and creates a uniform flow throughout the pond.

If you are placing the filter in a hard to access part of the pond, we suggest attaching a natural jute string to the unit to aid in adjustments and maintenance.

ASSEMBLY INSTRUCTIONS

Basic Use requires both filter pads and the bio media of your choice.
Pump size affects space available for media.
Center Pump inside reservoir sitting flat on bottom, with or without pump cover, with cord in groove.

PUMP INSIDE FILTER BOX, USING FOUNTAIN NOZZLE FEATURE ONLY

Both optional outputs should be sealed with Feature output assembly (09, 10).

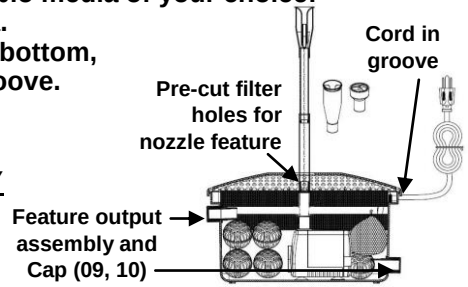


Diagram # 2

PUMP INSIDE FILTER BOX, DUAL FEATURE USE

Connections outlined in diagram #3, a diverter (not included) from Pond Building Series™ items, and additional tubing to feature (not supplied) are required.



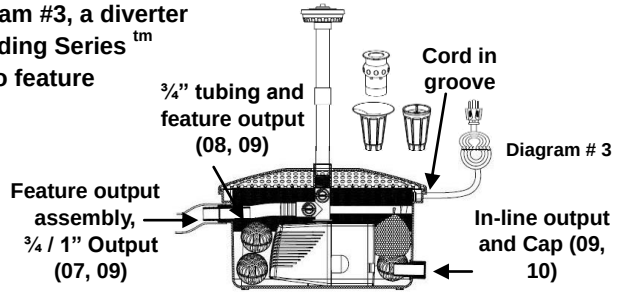
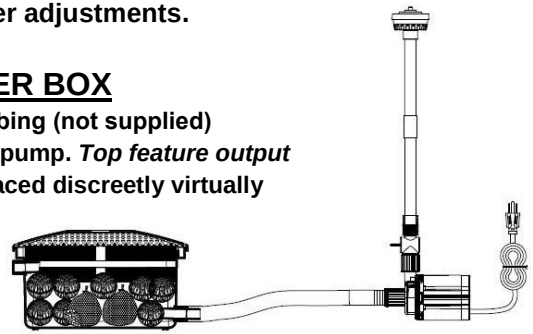


Diagram # 3

ASSEMBLY TIP: Test your dual feature set-up using pump and connections *BEFORE* assembling pump into the box. Adjust diverter flow to each item based on the desired effect. When diverter is inside box, lid and filters must be removed to make further diverter adjustments.

ADVANCED USE: "IN-LINE" FILTER BOX

Pumps are connected using either ¾" / 1" tubing (not supplied) from the reservoir bottom to the input of the pump. *Top feature output needs to be sealed*. The Filter can now be placed discreetly virtually anywhere in the pond, but we recommend a maximum tubing length of 3 feet from Filter to Pump.


Diagram # 4

IMPORTANT: The output where the pump will draw water from the box cannot be obstructed in any way. Careful placement of the bio balls and rock media inside the box should be considered. A small screen is included to be used to prevent blockage.

