

## 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 two part "Snap Sealed 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 item 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 item. 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](http://www.angelodecor.com)**

To contact us regarding this unit, your options include:

Email: [customersupport@angelodecor.com](mailto:customersupport@angelodecor.com) | Phone: (780) 453 - 6646 | Fax: (780) 453- 6620

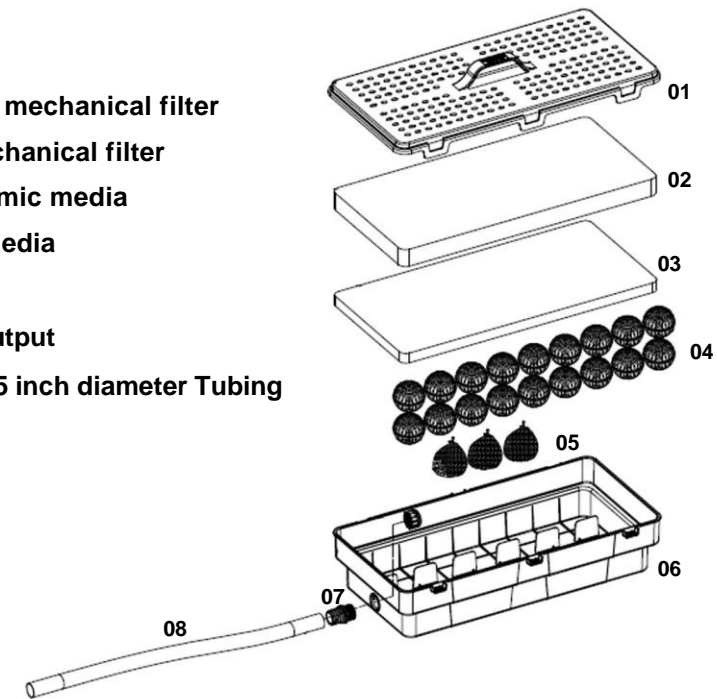
Angelo Décor International Inc. | 15840 – 118<sup>th</sup> Avenue | Edmonton, AB | T5V 1C4



# POND FILTER BOX 1500 AD46500

## COMPONENTS

01. Filter box cover
02. Black course foam mechanical filter
03. Blue fine foam mechanical filter
04. Bio-balls with ceramic media
05. Bagged rock bio-media
06. Bottom tray
07. 1 / 1.5 inch Filter Output
08. 20 inch length of 1.5 inch diameter Tubing



## INTENDED USE:

This Filter Box is designed for **use fully submersed at the bottom of a pond**, offering both mechanical and biological filtration. 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 from 500gph up to 2500 gallons per hour.

## QUESTIONS?

**PLEASE DO NOT RETURN THIS PRODUCT TO THE STORE.**

Visit our website ([www.angelodecor.com](http://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 tubing or pump cord.
5. Item is intended for use with fresh water only. Do not use with flammable materials.
6. Do not use with pumps with a rating larger than 2500gph 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 1500 gallons that have a balance 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 – 1200 Gallon Maximum

Shallow Ponds (Less than 2' water depth) – 1350 Gallon Maximum

If you have a larger environment than described above, we suggest addition filtration components, such as our waterfall weir filter, be used in combination with this item.

## 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.

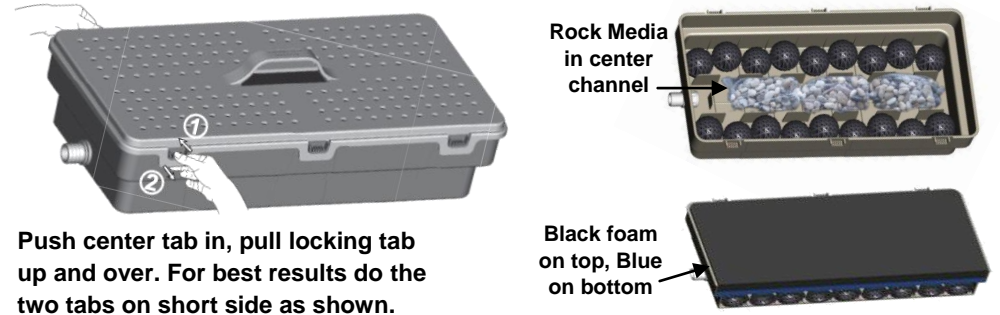
We recommend Microbe-Lift brand products to "charge up" the Filters' biological components with the beneficial bacteria necessary to convert waste and pollutants into healthy by-products that further support a balanced pond.

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 placing filter in a hard to access area of the pond, we suggest attaching a natural jute string to the unit handle to aid in adjustments and maintenance.

## ASSEMBLY AND USAGE INSTRUCTIONS

The inside of unit is fully pre-assembled and ready for connection to the pump of your choice. To open the unit for inspection or maintenance:

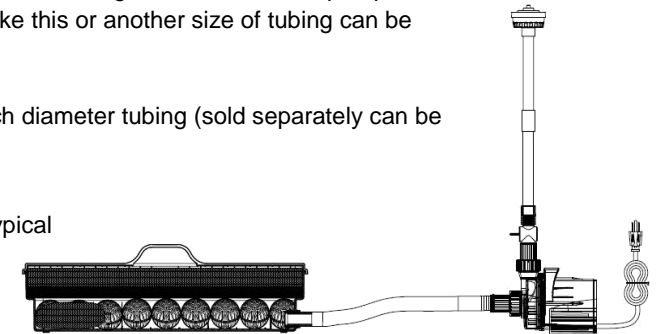


## CONNECTING THE FILTER TO THE PUMP

This filter includes a section of 1.5 inch tubing that can be used to connect the box to the intake of your pump. Most *Pond Building Series™* branded pumps will include attachments or an intake this or another size of tubing can be attached to.

If desired (or necessary), 1 inch diameter tubing (sold separately) can be used instead.

The diagram (right) shows a typical connection..



**Please note:** in certain cases, additional plumbing supplies may be required.

**Place completed assembly at bottom of pond, in a place that will create uniform flow through the pond, away from any obstructions that may affect the intake of the unit.**