Thank you for purchasing the Eco-Series Waterfall Filter. You are about to experience the Eco-Series difference in water feature products, components that are simply designed for the homeowner. The simple designs of all Eco-Series products provide you with reliable, trouble-free installation and maintenance for all your water feature designs.
**STEP ONE - DESIGN AND LAYOUT**

Position your filter falls where you want the waterfall or stream to originate. Be sure to have the pond shape outlined before excavating. Excavate the pond to the desired depth and shape - the recommended depth is between 24 and 36 inches. Set aside the soil to be used later while burying the pipe from the skimmer.

When excavating be sure the ground is level around the pond perimeter and ensure the filter falls box area is level as well. Compact the soil that will be under the filter to avoid settling later.

**STEP TWO - INSTALLING THE PLUMBING AND THE FILTER FALLS**

Thread the 2” male adapter into one of the ports on the filter using teflon tape or silicone on the threads.

Thread the 2” plug into the unused port using teflon tape or silicone on the threads.

Glue the PVC flex pipe into the male adapter and hold together until glue is set.

Set the filter box on the prepared surface. Be sure filter sits level side to side and tips forward 1/2” to 1”.

Insert the PVC support tubes into the "V" shaped notches in the bottom of the filter on the Prelude and Melody models, the Sonata and Symphony models have built in supports instead of the PVC pipe. Be sure filter does not move while backfilling with dirt around it.
STEP THREE - INSTALLING THE UNDERLAYMENT AND LINER

Run the protective underlayment in the pond and up the stream (if one is installed). The underlayment should overhang the stream bed and be up to the bottom of the filter box. Lay the liner in the pond over the underlayment. Work as many wrinkles out of the liner as possible. The liner should be run up the stream or to the filter box. Folder the liner over the Spliner Lock. Slide the Spliner Bar into the spline channel and secure with the Spliner Locks. Be sure to leave plenty of extra liner going to the filter box. The liner should not be tight. Trim the excess liner and underlayment later, after the installation is complete.

STEP FOUR - FINISHING UP

Lay the filter mats in the bottom of the filter box on top of the support tubes or support stands depending on model.

Place the supplied Bio-Blox media bags on top of the filter pads, making sure they are snug into the corners. Cover the top of the filter box with a flagstone or filter cover.

Stack stones up the front of the falls filter to conceal the filter box and liner. Additional stone can be added on top, just below the lip, to extend the waterfall.

You may also want to put a piece of flagstone in the mouth of the falls to hide the weir and to make a more natural looking water feature.
CLEANING THE FILTER MATERIAL

Clean the Bio-Media by agitating it in the filter and draining off the dirty water. Be cautious of chlorinated water - it can kill beneficial bacteria microbes. Clean the filter mats by spraying them off with a garden hose. The mats are not intended to grow beneficial bacteria so the chlorinated water is not an issue while cleaning mats.

“All Season” Liquid Pond Bacteria
• Use one product to work in Spring, Summer and Fall
• Removes ammonia, nitrites, nitrates, phosphates and sludge
• Maintains a healthy, balanced ecosystem and reduces pond maintenance

Liquid Barley Straw Extract
• All natural liquid formula - easier to use than pellets or bales
• Keeps water clean and clear
• Works faster than straw and is seeded with bacteria to ensure results

Rock & Waterfall Cleaner
• Quickly cleans rocks, waterfalls, pondless features, fountains, statues, etc.
• Great for use with fish, birds, pets and wildlife
• Lifts debris to pond surface where it can be removed by net or skimmer

Sludge Remover Bacteria
• One ounce water soluble packets for easy application
• Removes sludge and odors
• Extends filter life between cleanings
• Recommended for ponds with gravel covered bottom where sludge can build up

Water Clarifier
• This food grade formula clears murky water fast
• Attracts suspended particles together allowing them to settle out of water column
• Best when used with EasyPro Pond Bacteria

Water Conditioner
• One of the most concentrated water conditioners on the market today
• Removes chlorine and destroys chloramines
• Detoxifies heavy metals

Optional lids available - please inquire!