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Helix Bio-Mechanical Waterfall Instructions

Installation Instructions

Design Layout – *Step one*

The first thing to do is choose the shape and location of your pond. An easy way to do that is to lay out a garden hose or a long extension hose to help visualize the pond. Spend a couple days (if you have the time) viewing it from different vantage points in your yard, and through various lookout windows from inside your house. Once you are certain of the design, spray paint the ground, in place of the hose, so you can prepare to dig

Waterfall Filter retaining wall construction – *Step Two*

To support dirt around the Helix Bio-Mechanical Waterfall Filter, build a berm around it using rocks or dry stack retaining blocks. This will prevent it from looking like a volcano. Try to go out approximately two times as far from the filter as it is tall. Starting at lowest point and stack rocks or interlocking blocks as high as filter to hold dirt from excavation

Install Helix Bio-Mechanical Waterfall Filter – Step Three

Use approximately 270 pounds of ¾" → 1" Lava rock. Rinse rock thoroughly to clean out dust and any smaller rocks that may fit through the holes of the grate.

- Pour 10-15 pounds at a time into the waterfall filter
- Inoculate with ¼ cup The Pond Digger Beneficial Bacteria every 4" of lava rock
- Fill the waterfall filter with lava rock up to the second round lip
- Put rocks on top, inside lip of waterfall to hide black rim.

Pump - Install pump according to proper instructions – Internal or external

Faceplate - Attach Helix Bio-Mechanical Waterfall Filter faceplate

- Stack all waterfall rocks before attaching the faceplate.
- Follow skimmer faceplate instructions for waterfall filter faceplate
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Maintenance Instructions:

The frequency of the filter cleaning needed will depend on your fish, food, and debris load. Try cleaning every two months. For extremely dirty water, clean monthly.

- Open lower gate valve
- Turn on air, against system
- Let the water run out until clean
- Then open the upper gate valve and close the lower gate valve
- Allow that water to run until clear

Repeat as often as needed

