

Warranty

SAVIO Engineering, Inc. provides a manufacturer's limited warranty of 5 years from original purchase date. Warranty is non-transferable. Within the warranty period SAVIO will repair materials with manufacturing deficiencies at their discretion. This warranty does not cover any faults caused by improper use, installation and handling of the device or as a result of wear and tear. SAVIO Engineering, Inc. does not assume liability for consequential damage caused by the failure of the SAVIO Skimmerfilter.™ Warranty is void if the product is not used in accordance with instructions. Register your warranty at www.savioponds.com.

Innovative, precision engineered solutions

Advanced water gardening products for healthy, clean living ponds.



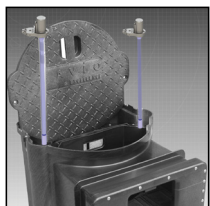
Skimmerfilters™



Livingponds Filters™



Pond Packages



Uvinex™ System



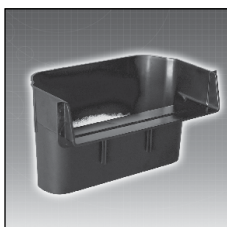
Water Master Pumps™



Waterfall Well™



Springflo Bio Media™



FilterWeirs™



BF510 Gun



Black Foam

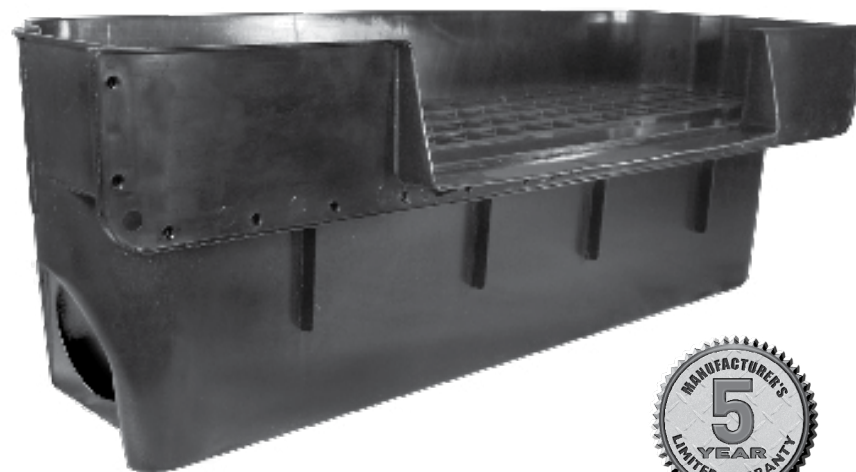


Pond Free® Packages

Livingponds® Filter 070

Operating Manual & Specifications

Read entire instructions prior to installing the unit.



Great equipment is just part of the SAVIO Excellence line. SAVIO Engineering manufactures a full assortment of products for healthy Livingponds®. When you want to build it right the first time, think SAVIO. For the full line of SAVIO products visit www.savioponds.com

Operating Capacities

SAViO's Livingponds® Filter 070 allows you to quickly add bio-mechanical filtration and the visual splendor of a cascading waterfall to any pond or water feature. Two medium density filter pads and ceramic bio media keep your pond clean & healthy. Install in concrete or liner ponds - no silicone glue is required. Recommended for pump flows up to 3,000gph.

COMPONENTS

- Livingponds® Filter 070 housing
- filter mat (2)
- mesh bag
- faceplate spillway 16"
- faceplate screws
- reducer bushing
- media grate
- plug
- hose clamp
- bio comb media
- teflon tape

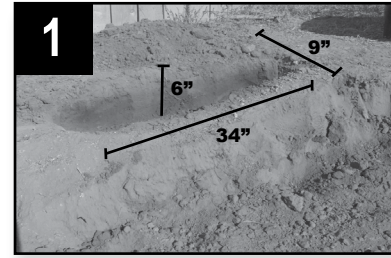
bio comb BC-1F fluidized bio media media



TOOLS

- Phillips screwdriver
- rigid or flexible PVC tubing
- PVC glue
- shovel
- hand level

Assembly and Installation



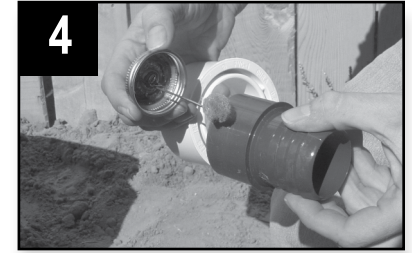
At the top of the waterfall, prepare the area for installation by excavating a 9" x 34" x 6" deep hole. Compact the soil in the bottom of the hole to prevent unwanted settling.



The Livingponds® Filter 070 includes two 3" inlets (on either side of the housing). Select the unused side and apply glue to the ABS plug (provided).



Before glue dries, firmly press plug into unused Livingponds® Filter inlet.



For 1 1/2" or 2" kink free hose, wrap the inlet barb's threads with included teflon tape and screw into reducer bushing provided. Rigid or flexible PVC can be glued directly to filter inlet or reducer bushing.



Install inlet assembly by first applying a layer of PVC glue to the outside of the reducer bushing.



Before glue dries, firmly press inlet assembly into Livingponds® Filter inlet.

Assembly and Installation



7
Connect inlet assembly to your pump or Skimmerfilter using flexible hose and hose clamp (provided).



8
Place Filter into hole and level front to back and side to side. Tip the unit forward (toward the pond) slightly (about 1/4") to compensate for settling.



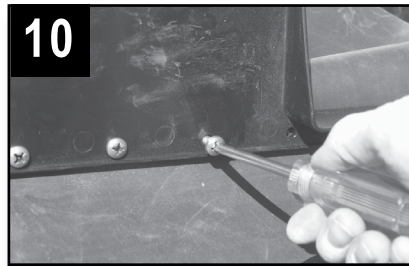
13
Remove grate and place mesh media bags into filter. Gently agitate to spread media evenly across.



14
Place both filter media pads into filter.



9
Pull pond liner up and over front of filter. Wipe the liner so that it is free of dirt and smooth wrinkles.



10
Align faceplate spillway to front of housing. Press screws through liner. Tighten firmly by hand.



15
Replace media grate.



16
Continue landscaping with rock work and plants to fully blend the Livingponds® Filter into its surroundings.



11
Working from inside the filter, carefully cut liner from spillway opening with sharp utility knife.



12
Place grate into unit and back fill around unit using pea gravel or soil that is free of clumps. Hand pack every 2-3 inches.

Under normal operating conditions this filter will provide years of trouble-free use. This filter includes two medium density filter pads and a highly porous ceramic media which requires periodic maintenance to keep your pond looking its best.

Cleaning Instructions

Check and clean filter media when the media appears dirty or when the flow of water decreases.

- 1) Shake ceramic media and filter mat to dislodge debris.
- 2) Rinse filter media in a bucket of clean pond water. Avoid using tap water, chlorinated water, soaps or chemicals as this can kill the beneficial organisms living on the media.

Winterization

Prepare for winterization in mid-to-late November, or when ice persistently develops on the pond. Keep equipment winterized until late February or early March when the water temperature rises to 40° F or higher consistently.

If the pond is to be shut down in Winter:

- 1) Disconnect UV Clarifiers and store indoors.
- 2) Disconnect submersible pump, clean and store in a dry place.
- 3) Drain any plumbing lines not buried below frost line (18"-24" in agricultural zones 4-6).
- 4) Use plumber's heat tape on pipes and shut off valves. Insulate the pump house and exterior pumps and valves.
- 5) Remove and thoroughly clean filter mat & media. Drain Livingponds Filter.

| Faults | Possible Causes | Remedies |
|---|--------------------------|--------------------|
| Livingponds Filter chamber runs dry during operation. | Low water level in pond. | Add water to pond. |
| | Pump inactive. | Restart Pump. |

Replacement Parts

| Code | Item |
|-------|---|
| RF022 | Livingponds Filter 070 - Housing |
| RF023 | Livingponds Filter 070 - Media Grate |
| RF024 | Livingponds Filter 070 - 3" Inlet Plug |
| RF025 | Livingponds Filter 070 - Replacement Filter Media Pad |
| RF026 | Livingponds Filter 070 - Replacement Screw Pack |
| RS028 | Livingponds Filter 070 - Faceplate Spillway 16" |
| RS027 | Livingponds Filter 070 - Faceplate Spillway 31" |
| RF035 | Bio Comb BC-1F Fluidized Bio Media |
| RF020 | Mesh Media Bag |