

S A V I O

Livingponds® Filter 070

Read entire instructions prior to installing unit



06-SV-160



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F070

OPERATING MANUAL

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

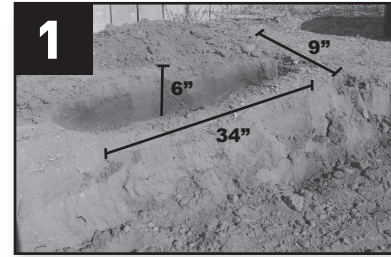
- Livingponds® Filter 070 housing
- filter mat (2)
- mesh bag
- faceplate spillway 16"
- faceplate screws
- reducer bushing
- insert adapter
- plug
- hose clamp
- ceramic media
- media grate



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 kink free hose 1 1/2" or 2" glue male adapter (optional) 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.

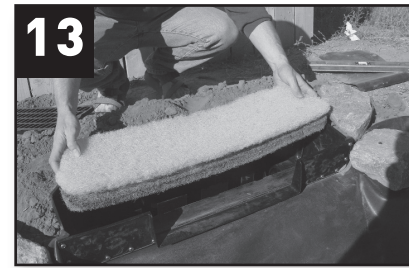
Assembly and Installation



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.



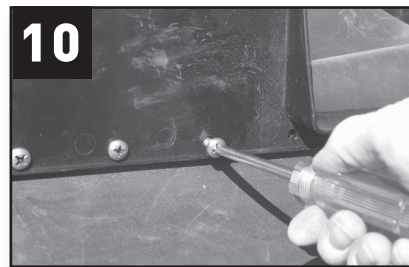
13
Remove grate and place both filter media pads into filter.



14
Replace media grate.



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
Fill mesh bag with ceramic bio media.



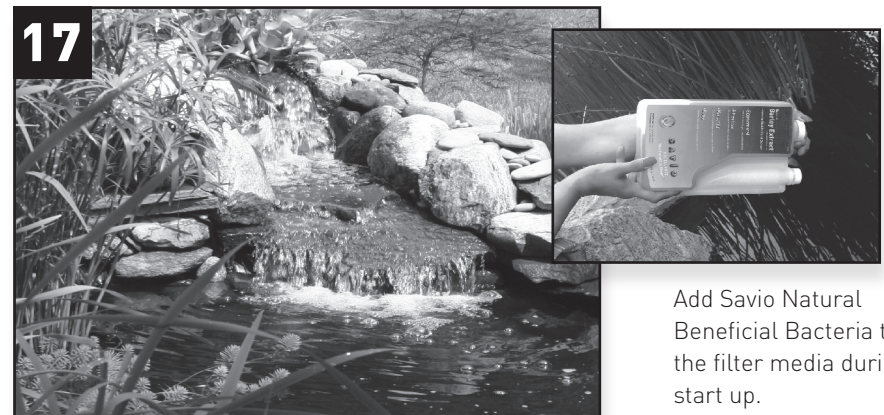
16
Place mesh bag into filter. Gently agitate to spread media evenly across media grate.



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.



17
Add Savio Natural Beneficial Bacteria to the filter media during start up.

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

Maintenance

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.**

Beneficial Bacteria

Add SAVio Natural Beneficial Bacteria to the filter during startup, and after each cleaning throughout the season.

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.

Troubleshooting

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"
RF032	Ceramic Bio Media (5 lbs)

Customer Service Information



Savio Engineering, Inc.
Albuquerque, NM USA
<http://www.savio.cc>
email: support@savio.cc

Warranty (Send in the enclosed warranty card)

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 this product. Warranty is void if the product is not used in accordance with instructions. For warranty claims, please contact your dealer.

Innovative, precision engineered solutions Advanced water gardening products for healthy, clean Livingponds.®



Skimmerfilters®



Livingponds® Filters



Pond Packages™



Uvinex™ system



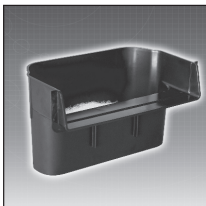
Water Master Pumps™



Waterfall Well™



Springflo Bio Filter Media™



FilterWeirs™



Radiance™ Lighting



Black Foam



Pond Free™ Packages