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**K2001**

# Filter Bottom Drain

for use with SAVIO Livingponds Filters™

## Operating Manual & Installation Guide

Read entire instructions prior to assembly and operating.

**Innovative, precision engineered solutions**  
Advanced water gardening products for healthy, clean living ponds.



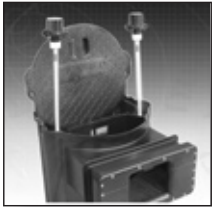
Skimmerfilters™



Livingponds Filters™



Pond Packages



Ultraviolet Clarifiers



Water Master Pumps™



Automated Water Level Sensor™



Springflo Bio Filter Media™



Greenex® Micro Granules



Aqua Flex PVC™



Black Foam



Water Treatments



## Operating Capacities

The bottom drain kit is designed to easily remove debris from the filter. Design your pond to allow gravity to force water and debris out of the filter into surrounding landscape.

### Components:

- 1 1/2" Male Adapter
- 1 1/2" Knife Valve
- Rigid or Flexible PVC (not included)



PVC not included with kit.  
(Purchase separately)

### Tools needed:

- Teflon Tape or Pipe Thread
- Purple Primer
- Wet Weld Glue

## Installation Instructions

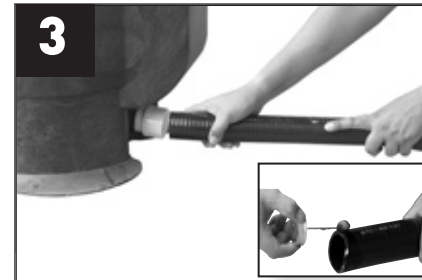
If you are upgrading a pre-existing filter installation, shut off the pump and drain the filter by removing the plug in the lower bulkhead.



1 Dig trench from bottom of filter to lower area of landscaping, 5'-10' from filter.



2 Attach 1-1/2" male adapter to lower bulkhead of filter using pipe thread or teflon tape.



3 Cut flexible or rigid PVC to desired length. Apply primer and wet weld glue to male adapter and PVC. Insert PVC into male adapter.



4 At discharge end of PVC, use primer and glue to attach knife valve to PVC. Close knife valve.



5 Fill filter with water. Check carefully for leaks before backfilling trench. Leave knife valve exposed.



**To use bottom drain for cleaning;** clean filter media as described in filter instructions then open the knife valve to drain debris from filter. Nutrient rich water can be used to feed nearby plants, shrubs and trees.