

SKID MOUNT POND FILTRATION SYSTEM



Equipment Installation Operation • Safety • Warranty

This guide describes the basic procedures for operation and maintenance. For specific equipment on the skid, please reference individual owners and operation manuals.

Service and maintenance on these systems is to be done **ONLY** by trained and experienced personnel.



ELECTRICAL SAFETY

This water feature utilizes high voltage electrical equipment and is therefore potentially dangerous to operating and maintenance personnel if proper procedures are not followed.

Only persons qualified and authorized should be allowed to operate or maintain this electrical equipment. Failure to follow procedures can result in injury, fatal shock, or significant damage to equipment.



**Your system may vary*

Your system may vary from image

READ THIS FIRST QUICK START PROCEDURES

GFCI breakers should be tested at regular intervals.

EQUIPMENT INSTALLATION

The skid mount pond filtration system will need to have a level and stable area. A concrete pad or compacted area is recommended. Be sure to leave enough room around the pad for servicing the unit in the future.

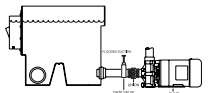
Skid mount system can be installed in flooded suction or in suction lift applications. For flooded suction applications check valves are highly recommended on the discharge/return side of the pumping system.

Connect and glue the plumbing from pond skimmer and/or bottom drains to the inlet of the pump. Connect and glue the plumbing on the return lines back to the pond.

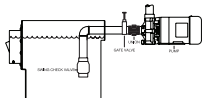
Tips for operating an external pump:

Proper plumbing selection and set up is important when choosing to use an external pump. Below are some ways to set up an external pump with skimmer. There are limits to how high a pump can be placed in a suction lift set up. Each pump is different, but these general rules show how

an external pump can be used. There are two basic set ups with an external pump: *flooded suction* or *suction lift*.



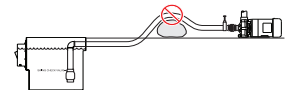
A *flooded suction* set up is where the pump is situated below the water level and water flows by gravity to pump.



A *suction lift* set up is where the pump is located above water level. "Suction lift" is a technical term for this set up, it does not mean the pump acts like a vacuum cleaner.



Never create a high spot between pump and skimmer/pond, it will create an air lock in the line and your system will not work correctly. See your pump's manual for more information.



CHECK FOR LEAKS

Check to be sure that all union fittings are securely hand tightened. These are installed at the factory but could have come loose during transit or in process of installing unit. Also, be sure that the head of the filter is secured (see filter owner's manual for details).

Close all of the pumping equipment valves and fill the pond to the specified water level. Watch the water level. If it drops, find and fix the leaks.

Slowly open all valves on the pumping equipment that connect to the pond and fill (prime) the system.

Allow the level to stabilize and check for leaks on the pumping equipment (during shipment and installation, union connections can come loose).

If the pump is above water level and does not automatically fill the pump volute, remove the strainer basket cover and fill the pump with water.



CRITICAL – DO NOT START THE PUMP DRY.



NEVER ADJUST FLOW USING THE VALVES ON THE SUCTION LINES – THIS WILL DAMAGE THE PUMP.

Suction isolation valves should be fully open when the system is operating.

START-UP

- Fill pond with water.
- Verify that all valves are completely OPEN except for the Bypass Valves. If not previously adjusted, these valves should be initially set at 50% OPEN. Adjust once running.
- Prime and start filter pump to verify that it is pumping water.
- Observe operation for at least ten minutes to verify proper operation.

BACKWASH

1. Shut the pump off.
2. Rotate valve to “Backwash”
3. Turn pump on for 15 to 20 seconds.
4. Turn pump off. The main pump must not operate while blower is running.
5. Rotate the control head to “Rinse.”
6. Close the gate valve on the Air Blower Assist assembly. (Keeps air from pushing back through pump)
7. Turn on Air Blower for 30-60 seconds. You should notice a bit of water discharging from the “Waste” line and hear the beads moving in the tank. While Air Blower is still running rotate handle to “Backwash” until no dirty water appears in the sight glass.
8. Turn Air Blower off.
9. Open the gate valve on the blower assist assembly.
10. Rotate the control head to “Backwash”.

11. Turn pump on and backwash until clear water is visible (generally 30 to 90 seconds).
12. Turn pump off. (Repeating steps 4 through 12 can be done if it has been a long time between backwashing or in ponds with higher loads)
13. Turn handle to “Rinse”.
14. Turn pump on. This rinse helps keep waste from returning to the pond after the backwash cycle.
15. Turn pump off. Rotate handle back to “Filter” and restart pump for normal operation.

While every system is different, generally if the system is backwashed regularly (weekly in most cases, more frequently with higher fish loads) the Air Blower Assist system will only need to have steps repeated once or twice to adequately clean the filter. More cycles may be needed if the filter has not been backwashed regularly to loosen beads properly.

WINTERIZATION

These steps are general for the skid mount pond system and do not speak to specifics of pond winterization.

Shut down the pump and close all isolation valves.

Winterizing the EasyPro UV in cold weather climates:

The UV must be shut down for the winter. Unplug unit, turn pump off and drain housing. Disconnect unit from your system and store inside. Store the lamp separately to avoid breakage.

Winterizing the EasyPro pressurized bead filter if the filter and pond are shut down for the winter months in freezing climates:



Always turn off the pump before turning the valve handle!

1. Turn off pump. (It is advisable to follow the “Backwashing” procedure before winterizing.)
2. After backwashing, drain filter tank by unscrewing drain cap. Take care not to unscrew entire assembly. Cap should remain off during winter.
3. Rotate control head handle to “WINTER.” This will allow water to drain from the valve. Leave valve in this position during the winter.

GENERAL MAINTENANCE

For general maintenance of the equipment use the individual component owner’s manual. These are originally included with the system. Keep these for your records.

Individual owner’s manuals can be viewed or downloaded from our website: www.easypro.com.

Part #	Maximum Pond Size	Filter Model	Pump Model	UV Model	Skid Size
SMF1800	1800 gallon system	PBF1800	EXP3700	EPU36N	33" x 33"
SMF3600	3600 gallon system	PBF3600	EXP4900	EPUV35	33" x 33"
SMF6000	6000 gallon system	PBF6000	EXP6800	EPUV55	33" x 33"
SMF10000	10000 gallon system	PBF10000	EXP7800	EPUV75	48" x 48"

LIMITED WARRANTY:

- This Skid Mount Pond Filter System is warranted against any mechanical or material defects for a period of three years from the date of purchase.
- This limited warranty does not cover accidental damage to the product due to shipping damage, abuse, negligence or improper installation by the installer or user.
- As a complete skid mount pond filtration system, the limited warranties on bead filter and blower assist are extended for duration of time up to 3 years from date of purchase.

UV clarifier: Standard 3 years for EPU36N, 5 years for EPUV35, EPUV55 and EPUV75. Excludes bulbs and sleeves.

Bead Filter and Blower assist: Standard 1 year – extended 2 years for total of 3 years.

External Pump: Standard 3 years.

- Specifics of warranty coverage and exclusions are in the individual owner's manuals of the items. These will be used to govern warranty for each item with duration of time as expressed above.
- An RMA number must be obtained by calling EasyPro Pond Products at 800-448-3873 and be included on package before returning for warranty issues. Return warranty items to: EasyPro Pond Products, 4385 East 110th, Grant, MI 49327. *Be sure to include RMA number, original receipt, name, return address and phone number in package.*
- In the event of a warranty claim, please return the product postage prepaid with the original receipt for repair or exchange. No warranty claims will be honored without the original receipt.
- The manufacturer or supplier shall not be held liable for any damages caused by defective components or materials of this filter; or for loss incurred because of the interruption of service; or any consequential/incidental damages and expenses arising from the production, sale, use or misuse of this product.
- The manufacturer or supplier shall not be held liable for any loss of fish, plants or any other livestock as a result of any failure or defect of this product.