

Elite Genesis® Bead Filter

Instruction Manual

(Models GF6, GF11, GF18, GF26)



GENESIS FILTERS – FIRST IN FILTRATION

Congratulations! You have made a wise choice in selecting the Genesis Filter. This premium quality pressurized bead filter system from specifically engineered to provide you many years of worry-free use while delivering outstanding water quality.

The filter tank featured with Genesis Filters is constructed of the ultimate filter vessel material, fiberglass. This is a major enhancement compared to plastic tanks used with many competitor bead filter systems on the market.

The multiport valve featured with Genesis Filters was carefully chosen to be the least restrictive backwash valve on the market, ensuring easy maintenance for the pond owner and maximum water flow rates at the lower possible energy consumption.

The filter internals of Genesis Filters is specifically designed to ensure maximize energy savings even further by allowing you to achieve outstanding water flow rates using today's energy efficient self-priming external pond pumps (Elite Primer Pro Pumps highly recommended).

The proprietary Genesis bio media used in Genesis Bead Filters will not clump like tubular media types commonly used in other bead filter systems. Genesis bio media provides maximum surface area needed for optimal beneficial bacteria growth while also performing outstanding mechanical filtration.

The powerful 2 horsepower air blower included with Elite Genesis Filters injects huge amounts of air into the filter tank prior to backwash, serving as a media agitator to quickly remove fish waste, algae, and other debris from the proprietary bio media.

HOW FILTRATION WORKS

Biological and mechanical filtration is essential to every pond, without it ammonia from the accumulated fish waste would harm your fish. The bacterial bed that builds on filter media will nitrify any ammonia in your pond making it a healthier environment for your aquatic life. Mechanical filtration picks up any debris in the pond, keeping your pond healthier and your fish happier.

HOW BIO-MECHANICAL FILTRATION EXCELS

Bio-Mechanical filtration depends on the establishment of a colony of bacteria on the surface of the media that converts dissolved toxic nitrogenous waste to harmless compounds. When the bacteria are given the proper environment, they grow in a thin biofilm on the surface of each piece of media. The larger the surface area, the larger the bacterial colony. Our media surpasses the competition in this area with four to seven times the surface area of any other media available.

In order for the Genesis Filter to perform Bio-Mechanical Filtration the media must first establish itself enough to handle the load of dissolved ammonia presented to it. Depending on the temperature this can take 2-4 weeks for your filter to establish itself in your pond environment (this varies depending on climate, weather conditions, fish load and feed rates). Until the colony has grown large enough, the pond owner **MUST** be responsible for monitoring the levels of ammonia and nitrates in the pond water and take the appropriate measures to correct dangerously high levels.

CAUTION: READ ALL INSTRUCTIONS CAREFULLY BEFORE BEGINNING INSTALLATION OR OPERATION.

The following instructions should answer most of the questions that you may have about the installation, operation and use of your new Genesis Filter.

Item	Size	Max Pressure*	Pond Size (Gallons)
GF6	21" Dia. X 34.5" Tall	38 PSI	6000
GF11	24" Dia. X 35.5" Tall	38 PSI	11000
GF18	30" Dia. X 40" Tall	38 PSI	18000
GF26	36" Dia. X 45" Tall	38 PSI	260000

*CAUTION: DO NOT EXCEED MAXIMUM OPERATING PRESSURE OF 38PSI.

FREQUENTLY ASKED QUESTIONS

Do I need to add any additional bacteria to my pond or my filter?

No, your Bio Bead filter comes pre-seeded with natural bacteria to help the filter establish itself.

Do I need to add additional biological or mechanical filtration to my pond?

Not unless your pond has a lot of large debris (i.e. leaves, pine needles, string algae). If you have large debris in your pond a leaf basket or other pre-filtration system is recommended.

Can I bury my filter?

Yes, you can bury the filter up to the valve head. Please keep in mind that if you need to drain your filter for winter the drain valve will be buried and other means may be necessary to drain the filter.

How often do I have to Backwash?

It is recommended to backwash your filter once a week, however, depending on your fish load and feed rate it may be necessary to backwash more often, or less often. After a few weeks you will begin to notice how often it is necessary for your own pond.

How often do I have to replace the media?

Never, the media does not have to be replaced.

How often do I need to drain out the sludge?

Never, due to the exceptional backwashing system exclusive to our filters, all the waste is expelled through the waste line, and thoroughly cleans the filter eliminating the need for a sludge valve.

Can I medicate while the filter is running?

No, due to the non-specific nature of most medications on the market any medication designed to eliminate harmful bacteria in your pond would also destroy any beneficial bacteria inside your filter. If you need to medicate for any reason, you may set the valve to recirculate which will bypass the filter entirely and run through the valve only.

What size pump should I use?

Your pump will need to be an external direct drive pump that can pump the volume of your pond within one and a half hours at ten feet of head pressure.

What's the flow loss through the filter?

The filter flow loss ranges from 3-8ft of head, depending on how dirty the filter is.

Do I need to oversize my filter?

No, our filters were designed to handle heavy fish loads and heavy feed rates.

ROUTINE MAINTENANCE INSTRUCTIONS

The following steps should be completed on a weekly basis in order to maximize performance of your Genesis Filter.

1. Turn off water pump. Move multiport valve to "RINSE." Turn on the Genesis media agitator (air blower). Run media agitator for approximately 60 seconds. Turn off agitator.
2. While still in "RINSE" mode, turn on water pump until water starts to go out the waste line, which can be seen through the clear sight glass. Let water pump run for approximately 30 seconds, then turn off pump.
3. Move multiport valve to "BACKWASH." Start water pump and leave running until clear water appears in sight glass. This will usually take between 1 – 3 minutes. When clear water appears, turn off pump.
4. Move multiport valve back to "RINSE" position and restart pump. Run until water is again clear in sight glass. Turn off pump.
5. Over multiport valve to "FILTER" position and turn on pump. You're done!

WINTERIZING INSTRUCTIONS

The following steps should be completed annually for those residing in colder climates where freezing conditions commonly before the onset of winter.

1. Turn pump off. Drain water from pump basket and volute.
2. Open water drain located at bottom of Genesis Filter tank. Don't worry, no media will come out. Only water will be removed.
3. Loosen the multiport valve from the housing and back the valve away from the tank to release any water in the valve.
4. You're done! Now just wait for spring.

QUESTIONS

If you have any questions about your Genesis Filter or require additional assistance, please contact your [Authorized Elite Pumps Retailer](#) or the manufacturer, Elite Pumps directly below.

Elite Pumps
P.O. Box 7205
Redlands, CA 92375
(909) 206-1135 Phone
(858) 810-0087 Fax
info@elitepumps.com Email