

The FULL LINE of HELIX PREMIUM PROFESSIONAL POND FILTRATION

Helix Pond Life Support makes four models of Waterfall filters in two sizes for each model level, all using the same two Roto Molded durable and dynamic filter bodies (small and large). All eight filters (four small and four large) are available from Practical Garden Ponds.



The Helix Static Filter is the basic entry level Helix Filter. Both the small and Large Static Filters boast the same high volume, RUGGED filter bodies as the rest of the Helix Line Up but without the Moving Bed or Bio Mechanical Technology. So while these filters still have rugged filter bodies and slim line features, unlike the rest of the Helix lineup the Static Filters DO require manual cleaning of the limited filter pads.

FEATURES of the SMALL Helix STATIC Waterfall Filter

- Heavy Duty Roto Molded Body
- Stainless Steel Hardware
- Made in America
- High Quality Plumbing Parts
- 2" Bulkhead
- 19" Long x 18" Wide x 35" High
- Up to 6000 gph flow rate.
- Ships with three round blue Matala Filter mats



FEATURES of the LARGE Helix STATIC Waterfall Filter

- Heavy Duty Roto Molded Body
- Stainless Steel Hardware
- Made in America
- High Quality Plumbing Parts
- 2" Bulkhead (NOT pre-drilled so that you can chose right or left side).
- 32" Long x 32" Wide x 32" High
- UP TO 6,500 GPH FLOW RATE
- Does NOT ship with any filter media. Add the media of your choice.
- **NOTE:** The Helix Waterfall Filter bodies do not require a lid. This makes it easy to cover with a large stone. If you prefer a faux stone, the Atlantic Water Garden's RL30 Faux Stones fit the Helix Skimmer and Small Filter Bodies well, and the Atlantic RL70 fits the Large Filter Bodies.

The "Helix Bio Mechanical Filter" is a great filter that uses lava rock but with the important distinction that makes it easy to flush out the filter through high and low bottom drains. The flush can be easily assisted by air agitation from your shop vac or air compressor. This filter is a great example of the quality and innovation you expect from Helix. Easy to clean and serious filtration capacity, the Helix Bio Mechanical filter is a great way to filter your Practical Garden Pond. Even so, compare this filter to the exciting NEW Helix Bio Mechanical Reactor further down the page!

BENEFITS OF THE HELIX BIO-MECHANICAL WATERFALL FILTER

- Clean your filter WITHOUT GETTING DIRTY
- Very Large BIOLOGICAL FILTRATION capacity
- Water POLISHING capacity in addition to Biological Capacity.
- CLEAN your filter using POND WATER
- REDUCE NITRATES in your pond
- EASY TO INSTALL and hide in your existing landscape
- CLEAN your filter WITHOUT DISASSEMBLING it!
- NO ANNUAL EXPENSE in purchasing new filter pads

FEATURES OF THE SMALL HELIX BIO-MECHANICAL WATERFALL FILTER

- 18" Length x 18" Width x 35" Tall
- Handles Flow Rates up to 6000 gallons per hour
- 15" Waterfall Weir Opening
- Excellent for all styles of ponds
- Stainless Steel Hardware - No Worries about hardware rust - even if you add salt your pond
- Made in the USA!
- Upper and lower drain for removing surface scum and heavy solids.
- For use with liner, poly-urea & concrete construction
- Heavy Duty Rotational Mold HDPE Construction
- 2" Bulkhead included
- 2" PVC Male Pipe Adapter Included
- Air Manifold for air assisted cleaning
- Low profile allows for easy disguise in landscape
- Large Bio Chamber for biological filtration and water polishing capacity.

FEATURES OF THE HELIX LARGE BIO-MECHANICAL WATERFALL FILTER

- 32" Length x 32" Width x 32" Tall
- Handles Flow Rates up to 6000 gallons per hour
- 24" Waterfall Weir Opening
- Excellent for all styles of ponds
- Stainless Steel Hardware - No Worries about hardware rust - even if you add salt your pond
- Made in the USA!
- Upper drain for removing surface scum.
- Lower drain for removing heavy solids.
- For use with liner, poly-urea & concrete construction
- Heavy Duty Rotational Mold HDPE Construction
- 2" Bulkhead included
- 2" PVC Male Pipe Adapter Included
- Air Manifold for air assisted cleaning
- Low profile allows for easy disguise in landscape
- Large Bio Chamber for biological filtration and water polishing capacity.
- Both sizes ship FREE by Federal Express Ground



The Helix Moving Bed Waterfall filter is like no other supplemental filter you have ever seen! It is revolutionary in its combined ease of use (NO MAINTENANCE) and INCREDIBLE effectiveness! But please be sure to understand that this filter is BIOLOGICAL ONLY and is meant to be used alongside some other form of filtration like an Under Gravel Grid, Bead Filter, or Natural Planted Bog.

BENEFITS of The Helix Moving Bed Waterfall Filter

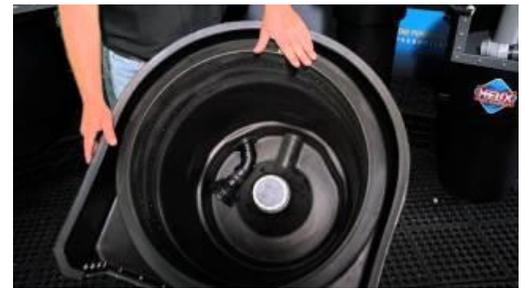
- These filters are TRULY Self Cleaning, when used as intended for Biological Filtration (with mechanical filtration provided prior to this filter) the Moving Bed Waterfall Filter requires zero maintenance - just set it up and forget it!
- It's so effective you can feed your Koi like crazy for optimum growth because this filter converts the dissolved and digested waste from up to 3lbs of fish food each day! That means serious Nitrate Reduction for your pond!
- Meant to be used with an air pump (The Small M.B.W.F requires a 25 liter and the Large M.B.W.F. a 40 liter air pump - not included) the Moving Bed Waterfall Filter also dramatically increases dissolved oxygen levels in pond
- This makes it possible to grow your koi HUGE fast!
- And Waterfall Filters are easy to install & disguise in the landscape

FEATURES of the SMALL Helix Moving Bed Waterfall Filter

- Heavy Duty Roto Molded Body
- Stainless Steel Hardware
- Made in America
- High Quality Plumbing Parts
- 15 liters of Helix Floating Media
- 5" Radial Air Diffuser
- 3/4" Bulkhead (pre-drilled location)
- 2" Bulkhead (pre-drilled location)
- 2" Suction Strainer to protect inlet
- 19" Long x 18" Wide x 35" High
- Up to 4000 gph flow rate (faster flows interfere with the proper movement of the media).

FEATURES of the LARGE Helix Moving Bed Waterfall Filter

- Heavy Duty Roto Molded Body
- Stainless Steel Hardware
- Made in America
- High Quality Plumbing Parts
- 50 liters Helix Floating Media
- 5" Radial Air Diffuser
- 3/4" Bulkhead (pre-drilled location)
- 2" Bulkhead (NOT pre-drilled so that you can chose right or left side).
- 2" Suction Strainer
- 32" Long x 32" Wide x 32" High
- UP TO 4,000 GPH FLOW RATE (Greater flow rates interfere with media movement)



This filter has to be seen to be believed. Check it out on YouTube!

My best description is a swirling perforated basket like a washing machine, with air and water flowing through highly porous moving and swirling biological media that prevents dirt and debris from caking and building up. Instead, beneficial bacteria in and/or added to the pond, thrive in this highly aerobic environment and break down ammonia, nitrate, and nitrites FAST.

NOTE: Compare the Helix Moving Bed Waterfall Filter to the NEW Helix Bio Mech Reactor. They are related filters with one significant difference; the Moving Bed is huge capacity 100% biological filter with no "particle" or "mechanical" filtration at all. It is virtually maintenance FREE, but it is NOT a stand-alone filter. Every pond needs some form of filtration that traps or removes particulates. That is where the Helix Bio Mechanical Reactor takes over. Like the Moving Bed, The Reactor has a significant aeration assisted biological capacity, but unlike the Moving Bed, the Reactor also has mechanical filtration (and therefore requires flushing out of the trapped particulates) and can provide total pond filtration!

For great results, use the Bio Mechanical Filter or Bio Mechanical Reactor (greater biological capacity but lower flow rates) where ever total filtration is needed. These filter coupled with a skimmer will provide everything you need for high quality pond filtration with reasonable regular maintenance that is easily accessible outside the pond. Note that annual bottom cleaning may still be necessary without an under-gravel suction grid or bottom drain. For ponds that already have a bog, a bead filter, an under gravel filter grid or some other form of filtration that will trap or remove physical debris, the Helix Moving Bed Waterfall Filter adds amazing biological capability without adding anything to your maintenance routine.

BENEFITS of the Helix Bio Mechanical Reactor Premium Waterfall Filter

- These filters have the substantial benefit of aerated biological filtration like the Helix Moving Bed Biological Filter but with the added polishing quality of a premium Mechanical Filter.
- Cleaning is accomplished by back flushing the filter via a remote assembly controlled by a knife valve. This assembly can be installed above ground or with a PVC extension for easy access.
- Impressive Nitrate Reduction for your pond and significantly increased dissolved Oxygen levels in your pond!
- Meant to be used with an air pump (The Small M.B.W.F requires a 25 liter and the Large M.B.W.F. a 40 liter air pump - not included) the Moving Bed portion of the Bio Mechanical Filter also dramatically increases dissolved oxygen levels in pond
- This makes it possible to grow your koi HUGE fast!
- And Waterfall Filters are easy to install & disguise in the landscape

FEATURES of the SMALL Helix BIO MECHANICAL REACTOR Waterfall Filter

- Heavy Duty Roto Molded Body
- Stainless Steel Hardware
- Made in America
- High Quality Plumbing Parts
- 15 liters of Helix Floating Media
- 5" Radial Air Diffuser
- 3/4" Bulkhead for air injection (pre-drilled location)
- 2" Bulkhead for water inlet (pre-drilled location)
- 2" Suction Strainer to protect inlet
- Separator screen for optimum flow and circulation.
- 18" Long x 18" Wide x 35" High
- (2) Knife valves are included for opening low and mid level drains for cleaning.
- (2) Check valves are included to prevent improper flow.
- Up to 4000 gph flow rate (faster flows than this interfere with the proper media movement).
- Requires 35 pounds of 3/4" lava rock or similar media to operate (not included).



FEATURES of the LARGE Helix Bio Mechanical Reactor - Premium Waterfall Filter

- Heavy Duty Roto Molded Body
- Stainless Steel Hardware
- Made in America
- High Quality Plumbing Parts
- 50 liters Helix Floating Media
- 5" Radial Air Diffuser
- 3/4" Bulkhead for air injection and air assist cleaning ring (pre-drilled location)
- 2" Bulkhead (NOT pre-drilled so that you can chose right or left side).
- 2" Suction Strainer
- (2) Knife Valves included for opening low and mid level drains for cleaning.
- (2) Check Valves included to prevent improper flow.
- 32" Long x 32" Wide x 32" High
- UP TO 4,000 GPH FLOW RATE (Greater flow rates interfere with the proper movement of the media)
- Requires 100 pounds of lava rock or similar media (not included).

The Helix Bio Mechanical Reactor combines two essential kinds of filtration, significant and cleanable mechanical lava rock filtration and the incredible dynamic of air and water flowing through highly porous moving and swirling biological media that creates a highly aerobic environment in which beneficial bacteria thrive and break down ammonia, nitrate, and nitrites FAST.