

TALLBoy™

De-Chlorinator & Sediment Filter



User Manual

HydroLogic™
PURIFICATION SYSTEMS

Description:

Don't give your outdoor plants straight hose water! This filter unit is rated at up to 99% chlorine removal @ 2GPM flow and can clean up to 90% of the sediment particles above 5 microns. ***This filter is not designed to significantly lower the Parts Per Million (PPM) of your water.***

The majority of the PPM of your tap water is minerals which can only be removed with Reverse Osmosis. Having chlorine and sediment free water are essential to growing healthy plants and maintaining beneficial micro-organisms, bacteria and fungi in your root zone and growing medium. These microbes can not survive in the presence of chlorine. Chlorine free water is also essential for organic compost tea brewing and any bio-organic gardening method.

The TALLBoy™ - Outdoor unit includes:

- 2-stage filtration unit with wall mount bracket which includes 1 sediment filter and 1 green coconut carbon filter
- 5 ft. of 3/8" feed tubing and 5 ft. of 3/8" outlet tubing
- Female garden hose adapter and brass male garden hose adapter
- Filter wrench

Optional accessories available at your dealer:

- KDF85 catalytic carbon filter for high capacity chlorine, chloramines, iron and heavy metal removal. *Perfect for city or well water users.*
- Under sink feed hookups matched to your plumbing
- Ultra-Violet sterilization post-filter
- Flowmaster™ gallon meter and filter capacity monitor
- Float Valve - *For use when filling reservoir unattended*



Special note on chloramines:

Chloramines are a disinfecting agent that is being added by some cities to the water supply in place of, or in addition to, chlorine. They are a much more stable form of chlorine and do not dissipate from letting the water sit out. They cause the same damage to all living things as does chlorine. Manufacturers of carbon block filters, such as the one that comes standard with the Tall Boy™, do not make specific claims for chloramines removal. If you are sure your water supply contains chloramines, you can remove the majority of them by upgrading the standard carbon filter to our **KDF85/catalytic carbon filter**. It is a direct replacement and can treat twice as much water as the standard carbon filter. Inquire at your dealer.

TALLBoy™ -Outdoor Setup:

1. Main unit
2. Inlet tubing w/female garden hose connector
3. Outlet tubing w/brass male garden hose connector
4. Green coconut carbon filter
5. Sediment filter

NOTE: A 2 GPM flow restrictor is built into the brass connecting fitting between the two housings



- 1) Remove rubber dust plugs from inlet and outlet fittings!**
- 2) Begin by hooking the female hose adapter to your outdoor spigot or garden hose.
- 3) Next, take the 5 ft. length of the tubing and push one end into the hose adapter and the other end into the "feed" port of the filter unit on the right side.
- 4) Next, take the other 5 ft. length of tubing and insert that into the "outlet" side of the **Tall Boy™ -Outdoor**.
- 5) Before using your filter you will need to flush out any carbon fines or particles from the unit. Flush for 5 minutes, letting that water go to waste.
- 6) Now you can hook up your garden hose to the brass male garden hose connector and push the other end of this connector into the open end of the outlet tubing.

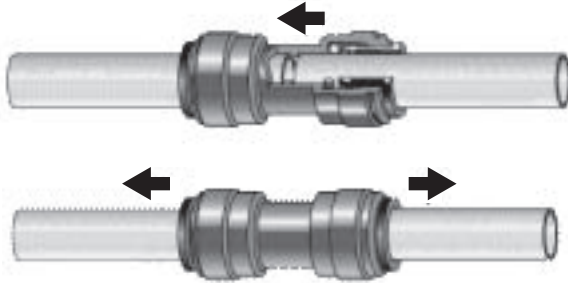
You are now ready to use your system.

Precautions:

- When first installing the unit and turning the feed water on, do so slowly to allow both filter housings to fill with water completely. When you see filtered water flowing from the outlet tubing you can then turn the feed water on all the way. Flush the carbon fines and any particles out of the unit for at least 5 minutes, letting this go to waste, before using the filtered product water.
- Protect unit against freezing to prevent cracking of the filter housing and water leakage.
- Keep out of direct sun light or high intensity lights. This will degrade the housing and fittings over time. It's best the unit in complete shade or place a cover over it for protection. This will keep the unit in better condition longer.
- Do not drop or place heavy objects on top of unit.
- Do not install unit where incoming pressure may be more than 125 psi or there is excessive water hammer problems. If unsure, check the pressure with a hose spigot pressure gauge, available at your dealer or most hardware stores.
- **When replacing filter cartridges use filter wrench to remove housing. Do not use the wrench to tighten. Hand tighten the housings only. Take care not to over tighten.**
- Do not install where leakage or failure may cause damage to your personal property.

Push In/Quick Connect Fittings:

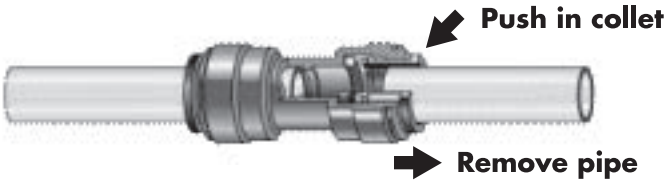
Connecting Push-In Fittings:



Push tube firmly into the fitting, all the way to tube stop. The collet (gripper) has stainless steel teeth which hold the pipe firmly in position whilst the 'O' Ring provides a permanent leak proof seal. Pull tubing to check for security. If some tube pulls out, then push all the way in again until it stops.

It is good practice to test the system prior to leaving site and/or before use.

Dis-connecting Push-In Fittings:



Ensure system is depressurized before removing fittings. Push in the collet evenly against the face of the fitting. With the collet held in this position the tube can be removed by simply pulling. You can use a collet release tool, *available from your dealer*, or small crescent wrench. The fitting can then be re-used. If the tube has been removed several times you may see score marks on the ends. This can lead to leaks so cut the end off the tubing totally square with a sharp blade using care.

Filter Changes:

The green carbon filter is rated to produce approximately 7,500 gallons of treated water, or approximately 6-9 months, whichever comes first. This is based on 2 Gallons Per Minute (GPM) flow rate and source water at 1 PPM chlorine. The sediment filter replacement schedule is based on how dirty your source water is. It is recommended to replace both filter cartridges at the same time. If you can visibly see dirt in the sediment filter sooner than 6 months or 7,500 gallons, this indicates high levels of sediment in your incoming water and this filter should be changed more often than the carbon. Replacements are available at your dealer.

Filter Housings:

- **Housing** - *Polypropylene*
- **Cap** - *Reinforced Polypropylene*
- **O-Ring** - *Buna-N*
- **Maximum Temperature** - *125°F*
- **Maximum Pressure** - *125 psi*

GreenBlock™ FX-CL2 Carbon Block Filter

Filtrex Technologies is proud to be the first carbon block manufacturer to use NSF61 listed **greencarbon™** developed by **Global EOCARB Pvt Ltd**. This high performance coconut shell carbon is manufactured using a patented process that **significantly reduces harmful Green House Gas Emissions**.

FX-CL2 greenblock™ are made using high performance coconut shell greencarbon™ having more micro pores compared to other types of carbon and a unique binder system delivering a product with superior adsorption capacity and kinetic dynamics.

This combination of high performance carbon, unique binders and proprietary manufacturing processes delivers exceptionally low pressure drop, high dirt holding capacity and excellent contaminant reduction. FX-CL2 greenblock™ are ideal for a wide range of POU, POE, commercial and industrial applications.

Features & Benefits:

- **10mm Nominal Filtration**
- **No Release of Carbon Fines**
- **Exceptionally Low Pressure Drop**
- **Manufactured from NSF Std 61 Certified Coconut Shell greencarbon™**
- **Performance Validated by WQA***
- **NSF Certified for Material Safety - Standard 42**
- **Industry Leading Performance at a Competitive Price**

** FX10CL2 tested by the Water Quality Association for chlorine removal and particulate reduction Class II as per ANSI/NSF Standard 42 protocols.*

The Filtrex Advantage:

- **WQA and NSF Certified**
- **Environmentally Friendly**
- **More Carbon Surface Area**
- **Industry Leading Performance**

Notes:

- Performance claims are based on independent lab results and manufacturer's internal test data
- Actual performance is dependent on influent water quality, flow rates, system design and applications. Your results may vary
- Micron ratings based on 85% or greater removal of a given particle size
- Estimated capacity using 2ppm free chlorine with greater than 90% reduction
- Performance data has not been tested or validated by NSF
- Flush new cartridges until water runs clear prior to use

WARNINGS:

Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

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Sediment Filter - 5 Micron:

Melt-Blown Technology Ensures High Performance

Melt-blowing technology is used to manufacture all our sediment filters. This process has long been regarded as the leading technology for fabricating sediment filters. Our melt-blown sediment filters feature a graded density that uses the entire depth of the filter to trap sediment, translating into high dirt-holding capacity.

Other features include:

- **Thermally bonded fibers will not migrate into water**
- **Broad chemical compatibility**

Melt blown polypropylene cartridges offer a self supporting thermally fused filter media that requires no separate center support tube. No adhesives, binding agents or anti-static agents are used.

Warranty:

A One-Year Warranty comes with each unit against manufacturer's defects. This does not include clogged filters due to excessive sediment and/or chlorine in water. This warranty also excludes damage to units caused by using the unit outside of the specified parameters. Do not operate unit if incoming pressure exceeds 125 psi or there is problem with water hammer spikes. If unsure of water pressure, check with a pressure gauge available at your dealer or hardware store.

***Do not contact your dealer or distributor for warranty issues.
Contact Hydro-Logic directly.***

Tech Support / Contact:

If you have a a particular application or setup question, you can call or email Hydro-Logic:

info@HydroLogicSystems.com

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pure water's not **magic**
it's **logic**



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