

Twist-In Dual Deionization Filtration Unit

Model: 540374

Installation, Operation & Maintenance Guide



Thank you for purchasing an Aquatic Life Twist-In (TI) Dual Deionization Water Filtration Unit.

When maintained properly, this unit will provide you with years of service.



OVERVIEW

The cartridges on your unit are designed for easy installation and replacement. Each cartridge easily connects to the filter housing by simply inserting and twisting. It is important the cartridges are installed post membrane filter to prolong the life of the deionization (DI) cartridge.

After the water is filtered by a membrane (not included), there is usually a small amount of total dissolved solids (TDS) left in the water.

In certain non-drinking water applications, it is important to remove the remaining TDS from the water. This is accomplished by filtering the water through a resin that is charged with cation and anion resins (H+ and OH-). As the resin absorbs the TDS, it will change color. When the entire resin has changed color, it is time to replace the DI filter.



WARNING: Please read carefully before proceeding with installation. Your failure to follow any attached instructions and operating parameters may lead to the product's failure.

For technical assistance or warranty issues, please contact Aquatic Life at

1-888-548-3480 or 1-818-768-6943

or email

customersupport@aquaticlife.com

Thank You!



See Installation Video



Contents (Model #540374)

1	TI Module	1	Blue Tubing, 1/4" x 4 FT.
2	TI Color-changing Deionization Cartridges	1	Installation, Operation and Maintenance Guide

Tools & Materials Recommended for Installation

Screwdriver

Electric Drill

OPERATING GUIDELINES

DO NOT use with water that is micro-biologically unsafe or of unknown quality without adequate disinfection before or after the unit.

The maximum incoming water pressure for the unit is 80 PSI.

If the pressure is more than 80 PSI, a pressure regulator is required. If the water pressure is less than 40 PSI, a booster pump is needed.

Reverse osmosis filtered water should not be run through a copper tube.

The pure RO water can leach copper from the pipe, eventually leading to holes in the pipe.

DO NOT operate the unit unattended.

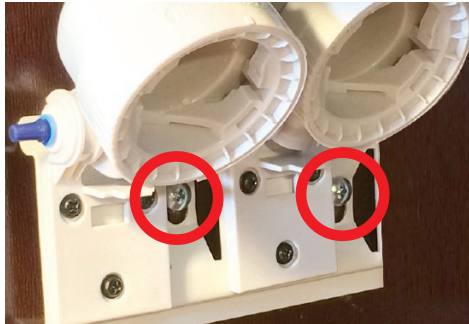


NOTE: Filter cartridge life may vary based on local water conditions and amount of use.

MOUNTING THE DEIONIZATION UNIT

The Aquatic Life TI Deionization Unit is designed to be mounted to a secure surface. This will allow for the cartridges to easily be replaced as needed.

The TI module includes a metal bracket with screw holes for easy hanging.



Use screws designed for the type of surface that the TI module will hang on. Once the TI module is hanging on the screws, tighten the screws to secure the TI module.



NOTE: If your model includes rubber plugs on any of the ports, it is now OK to remove the plug by simply pulling it out.

INSTALLING THE CARTRIDGES

Each TI cartridge uses a triple gasket seal to prevent water leaks. The cartridges are easily installed into the TI module heads by inserting the cartridge into the head and twisting to the right.

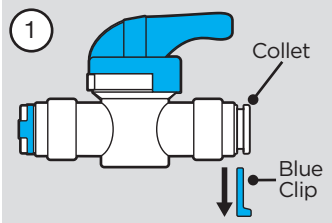
The TI module heads are equipped with a valve that automatically turns off the water supply to each filter cartridge when you remove the cartridge. To make the removal of the filter cartridges easier, the heads and cartridges can be tilted up as shown below.

To install: Twist cartridge to the right
To remove: Twist cartridge to the left

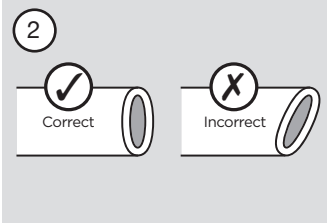


NOTE: Return new cartridge to down position after installation.

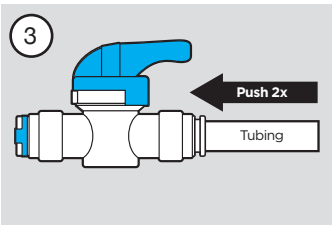
USING THE BUDDIE FIT™ PRESS FITTINGS



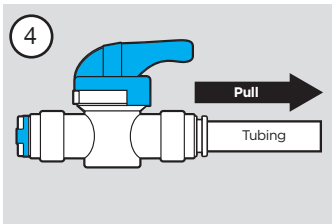
Remove the blue clip from the press fitting.



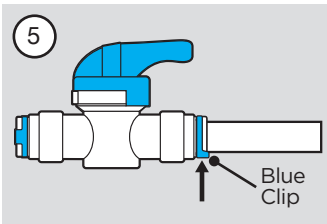
Cut tubing evenly and not at an angle.



Push the tubing into the fitting. You will hit the first stop. The tubing is still not secured properly. Push the tubing a second time and you will feel the tubing insert completely (5/8") into the press fitting.



Pull back on the tubing to ensure it is secure.



Insert the locking blue clip back onto the press fitting.



NOTE: To remove a piece of tubing, remove the blue clip and press down on the collet where the tubing enters the fitting. While the collet is depressed, remove the tubing from the fitting.



NOTE: We recommend cutting the tubing with a razor blade or something similar, so the tubing is not pinched. If the tubing is pinched, it will not seal properly. All tubing connections will have a "double push" into the connectors. You should feel a two-step insert to verify the tubing is inserted completely into the connectors.

INSTALLATION

This Aquatic Life TI Dual Deionization Unit is designed to remove total dissolved solids from water.

For most efficiency, the DI unit should be installed after water has been filtered by an RO membrane.



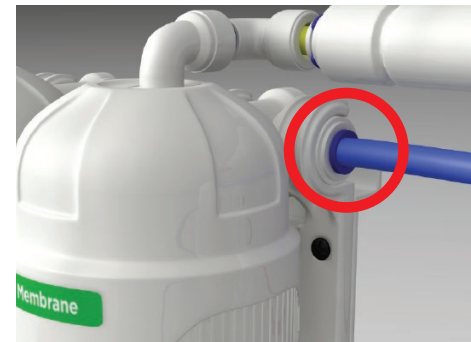
Connect to any standard RO unit

INSTALL THE TUBING

Refer to the instructions on how to use Buddie Fit press fittings before installing the tubing (left page).

Step 1

Cut the blue tubing as needed. Connect one end of the blue tubing to the clean water exiting a reverse osmosis filtration unit.



Step 2

Connect the other end of the blue tubing to the port on the TI module.



Step 3

Use a second piece of blue tubing to route the water from the other end of the Dual-DI Filtration Unit to the desired water collection point.



ADDITIONAL PURCHASE CONSIDERATIONS

Depending on your installation and application needs, you may find other Aquatic Life products helpful with this DI unit. Visit www.aquaticlife.com for the complete line of Aquatic Life TI filtration products and accessories.



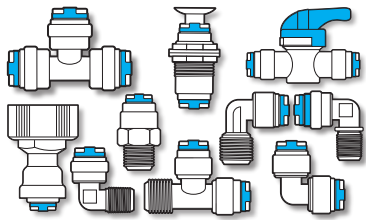
**TI 100 GPD, 3-Stage RO Unit
(Item # 540370)**

Designed for easy-of-use, the Twist-In (TI) cartridge and membrane unit make it easy to produce reverse osmosis filtered water. Each unit includes a sediment and carbon cartridge as well as a RO membrane.



**TI Deionization Cartridge
Value 4-Pack (Item # 330390)**

Always have a new color-changing resin cartridge on hand plus save money with the Value Pack. Each pack includes four cartridges, making it easy to stock-up for your filtration needs.



Buddie Fit™ Press Fittings

Easily plumb 1/4" water units with these press-fit connectors. Available in a variety of connections that include adapters to threaded fittings as well as elbows, tees and check valves.



**Tubing – 50 Ft rolls
Blue (Item # 500297) Red (Item # 500298)
Yellow (Item # 500299)**

Ideal for applications where a longer run of tubing is required. This 1/4" polyethylene tubing is durable, flexible and easy to plumb. Available in blue, yellow and red for quick identification of supply, waste and filtered water.

UNIT MAINTENANCE

The TI module heads are equipped with a valve that automatically turns off the water supply to each filter cartridge when you remove the cartridge.

The Aquatic Life TI Deionization Cartridges are designed to change color as the resin inside is exhausted. When the entire cartridge has changed color it should be replaced.

As Required – By Visible Color Change
TI Deionization Color-Changing
Resin Cartridge (Item # 330380)



NOTE: When changing out the exhausted color changing resin cartridge, it is recommended that the second cartridge move to the first position. The new cartridge should then be installed in the second position. This will maximize the use of the resin.



NOTE: The life span of the filter cartridges, including the membrane, are dependent on multiple factors. These include the quality of the incoming water supply (TDS levels, chlorine, etc.) as well as the amount of use. Our recommended replacement intervals are based on average usage.



PRODUCT REGISTRATION

Thank you for purchasing an Aquatic Life product—we know you'll enjoy it!

BENEFITS OF REGISTRATION:

Confirmation of Ownership

Provides a record in the event you need to contact us about your product in the future.

Your Safety

Allows us to contact you with important product notifications.

Improved Product Support

Helps us continue to tailor our products and services to meet your needs.

**Register Online at
www.aquaticlife.com**

Lifetime Products is committed to reducing our carbon footprint and we appreciate your time in registering electronically. If you do not have access to the Internet, you can call us at **888-548-3480**.

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3-YEAR LIMITED WARRANTY

Lifetime Products LLC warrants that this filtration unit (excluding cartridges and membrane) shall be free from defective components and leaks or cracks due to defects in materials or workmanship for a period of three (3) years from the date of purchase. If a defect is shown, Lifetime Products LLC will, at Lifetime Product's sole discretion, either repair or replace the product without charge. No cash refunds will be made. This warranty is provided solely to the original consumer purchaser of the product and may not be transferred or assigned. If Lifetime Products chooses to replace the equipment, Lifetime Products may replace it with reconditioned equipment. Parts used in repairing or replacing the equipment will be warranted for 90 days from the date the equipment is returned to you or the remainder of the original warranty period, whichever is longer.

This warranty does not apply to damage resulting from accident, misuse, abuse, lack of reasonable care, failure to follow safety and installation instructions.

This warranty will be void if defects occur due to failure to observe the following conditions:

The Aquatic Life TI Unit should only be connected to a potable municipal or potable well cold water supply.

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

- Incoming total dissolved solids (TDS) not to exceed 1,800 ppm.
- Incoming water to the RO cannot exceed 100°F.
- Incoming water pressure must be between 40 and 80 PSI.
- Incoming water pH must not be lower than 2 or higher than 11.
- Incoming water iron content must be less than 0.2 ppm.
- Incoming water hardness must not exceed 10 grains per gallon or 170 ppm.
- Do not use outdoors or in a location that is subjected to direct sunlight or freezing.

This warranty will not be effective unless and until the Aquatic Life product is shown to have been used in accordance with the installation and maintenance instructions accompanying the product.

THIS CONSTITUTES LIFETIME PRODUCTS ENTIRE WARRANTY AND LIFETIME PRODUCTS MAKES NO OTHER WARRANTIES, WHETHER EXPRESS OR IMPLIED, WITH RESPECT TO THE PRODUCT. LIFETIME PRODUCTS, LLC SPECIFICALLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IF LIFETIME PRODUCTS, LLC CANNOT LAWFULLY DISCLAIM IMPLIED WARRANTIES UNDER THIS LIMITED WARRANTY, ALL SUCH WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

LIFETIME PRODUCTS IS NOT RESPONSIBLE FOR DIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY BREACH OF WARRANTY OR CONDITION, OR UNDER ANY OTHER LEGAL THEORY. LIFETIME PRODUCTS, LLC EXPRESSLY DISCLAIMS ALL ALLEGED DAMAGES FOR LOSS OF MARINE LIFE, PERSONAL INJURY, AND/OR PROPERTY DAMAGE.

Some states and provinces do not allow the exclusion or limitation of incidental or consequential damages or exclusions or limitations on the duration of implied warranties or conditions, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary by state or province.

Lifetime Products, LLC shall not have any obligations under this warranty unless the owner notifies Lifetime Products, LLC in writing of any alleged defect(s) within 30 days of discovery of the defect(s).

Any notice to Lifetime Products, LLC must be delivered by United States or electronic mail to the following address: U.S. Mail: Lifetime Products, LLC, 9710 Klingerman St., S. El Monte, CA 91733 or electronic mail: customersupport@aquaticlife.com. Lifetime Products shall be allowed a reasonable period of time to investigate any warranty claim and to perform any testing Lifetime Products deems necessary to determine the cause of the defect. This warranty shall be interpreted under the laws of the State of California.

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9710 Klingerman St. | S. El Monte, CA 91733
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www.aquaticlife.com