



# Power Water Chiller

## Installation Manual



Customer Support **1-800-992-8876**

# Conditions

## **READ THIS FIRST**

Please pay attention to the following installation and safety recommendations:

- **Read the installation manual before installing this system.**

**NOTE!** Please make sure your installation location has enough room for the Power Water Chiller. The chiller needs at least 6 inches of clearance on the cooling fan side and from the coils in back for heat dissipation.

## **Incoming Water**

Incoming water pressure must be between 20 PSI and 50 PSI. If your water pressure is above 50 PSI you will need a pressure regulator on your system. If your water is microbiologically unsafe or of unknown quality do not use this system without adequate disinfection before the system. System is designed for and should only use filtered input water. Extremely hot or cold incoming water will damage the system and cannot be used.

## **Leaks**

Inspect all connections after the installation to make sure no leaks occur, wait until after the system is pressurized to inspect again. Check system occasionally after installation to make sure no leaks have developed.

## **General**

This system is for climate controlled indoor use only. Follow all of your state and local laws and codes regarding plumbing even if they differ from what is stated in this manual. If your state law requires it use a professional licensed installer or plumber who meets the requirements of this system. All fittings and teflon tape wear out after a certain period of time. The lifetime of your components are subject to change with the quality of the water supplied. Always use a grounded power connection with your system.

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# Introduction

First, get ready to have fresh cold water. You should need under 30 minutes for the initial installation.

We know life isn't always so simple though. If you have questions during your setup we can help. Just give us a call during normal business hours at:

**NOTE! System temperature is preset, you do NOT have to set the temperature**

**1-800-992-8876** Monday to Friday 10 am - 5 pm PST  
Or email us at [support@expresswater.com](mailto:support@expresswater.com)



- 1. Water Outlet
- 2. Water Inlet
- 3. Operation Indicator Light
- 4. Power Indicator Light
- 5. Faceplate
- 6. Adjustable Temperature Knob (Under Faceplate)
- 7. Cooling Fan
- 8. 1/4" Female Thread to 1/4" Quick Connect Tube Fitting
- 9. 10ft White Quick Connect Tubing

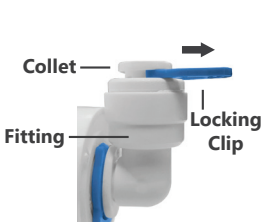
## Specifications

Voltage: 110v  
Wattage: 160w  
Frequency: 60hz  
Flow Rate: up to 2.5 Liters (0.66 Gallon) per Hour  
Tank Capacity: .31 Liters  
Pressure Range: 20-50psi  
Output Temperature: 52-42°F  
Dimensions: 7.25" x 14" x 12.5"

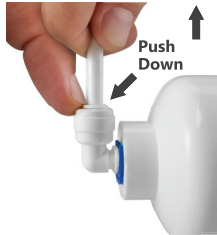
# Tubing Quick Connect Guide

The tubing in your System uses a Quick Connect locking mechanism to lock the Color Coded Tubing in place. Be careful not to damage your tubing as you unpack it.

## Releasing Tubing



If there is a Locking Clip on the Collet it must be removed before the Tubing can be released.

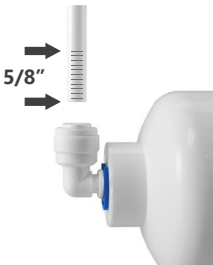


Push and hold the Collet in to release the lock while pulling out on the Tube.



**NOTE!** Collet must be held down while pulling up on the tube to release the tube

## Attaching Tubing



Push Tubing in straight and level with the Collet.



The Tubing will go 5/8ths of an inch into the Collet before the lock is activated.



Pull out on the Tube to make sure the lock has activated and the Tubing is secure.

## To Cut Tubing

Make your cuts against a flat cutting surface with a razor blade, or use a handheld tube cutter. Any cuts to your Tubing must be perfectly straight.

### **NOTE!**

**Improperly cut Tubing may leak water or fail to lock into Fittings.**

Wait until all elements of your RO System are in their final locations before cutting your Tubing. Make sure you measure the length you will need before cutting.

# Installation

## Connect to 1/4" Quick Connect Tubing

This describes how to connect the Chiller System to a Water Filter System that uses 1/4" quick connect tubing. If you have 3/8" or other connection needs you will need to purchase additional adapters and fittings.



1. Remove the protective cover from the Water Inlet and the Water Outlet, then wrap the Inlet and Outlet with 8-12 layers (depending on thickness) of teflon tape



2. Screw the female threaded end of the Quick Connect Fitting onto the Water Inlet



3. Push the 1/4" tubing from your supply water source into the Quick Connect Fitting until it is snug



4. Screw the female threaded end of the second Quick Connect Fitting onto the Water Outlet



5. Push the 1/4" tubing that leads to your water's destination into the Quick Connect Fitting until it is snug

**NOTE!**  
Check to make sure all tubes are fully inserted and secure

# System Startup

1. Turn on your water flow and wait for water to come through

## Carefully check your System for leaks.

- Feel and visually inspect every connection point for leaks. If a leak occurs turn the water flow off.
- Then secure the leaking connection point before turning water to the system on again, and rechecking.

2. Once you're sure there are no leaks, let your water run for 5 minutes to flush the water chiller, do not drink the water until the chiller has been flushed

**You're now ready to enjoy fresh cold water!**

## Adjusting Chiller Temperature

Temperature should not be adjusted while the chiller is operating, to prevent accidental damage, the temperature adjustment knob is protected by the faceplate.

1. Use a phillips (cross) head screwdriver to remove the top and bottom screw from the face plate.

2. Once both screws are removed the faceplate will easily come away from the system.

3. Find the black knob on the opposite side of the cooling fan. The knob has a ridge which points to the current setting. The knob is preset around the 5 or 6 setting.

4. To find your desired temperature move the knob no more than 1 numbered stage at a time (from 5 to 6) and test your water.



# Troubleshooting

**Note!** Turn off the system before servicing or inspecting

<b>Problem</b>	<b>Cause</b>	<b>Solution</b>
System does not produce water	- Water Supply Stopped	*Check for blockages or deactivation of your water supply
Power Light is off	- Power Failure	*Check if the power cord is out, use another device to confirm the outlet is working *Check for any fuse problems
Water Comes out Warm	- Cooling Setting is "OFF" or too low - System Failure - Input water is too warm	*Adjust the cooling setting knob behind the faceplate  *Make sure the system is being powered *Check the temperature of the input water

**If you still need help please contact our support team!**

**Give us a call at 1-800-992-8876**

**Monday - Friday**

**10am - 5pm PST**

**or send an email to [support@expresswater.com](mailto:support@expresswater.com) and describe the problem to our team.**

# 1 Year Limited Warranty



## We Cover

This warranty covers any defects in the parts or manufacturing of your Express Water Countertop Reverse Osmosis Water Filtration System. We will give you new replacement parts in exchange for any defective parts.

## What to Do

Give us a call at 1-800-992-8876 or send an email to [support@expresswater.com](mailto:support@expresswater.com) and describe the problem to our support. Be sure to have a copy of your purchase confirmation email or receipt. Our support will verify that the product and problem are under warranty and help you arrange to send your defective part back to Express Water with your receipt and contact information (name, address, phone number, email address).

Support will help arrange sending of the defective part, the delivery of your replacement part, as well as guiding you through the installation.

## Time Covered

This warranty is effective for 1 full year from the date of original purchase.

## Not Covered

This warranty does not cover labor for removal or installation, accumulation of dirt or grime (you are responsible for your own cleaning), systems with the serial number removed or altered, damage from improper storage (high or low temperature, sun damage, etc), damage from a system not installed as instructions directed, anyone other than original purchaser, damage from system abuse or unintended operation of system, acts of God, improper water source, modification, negligence, commercial use of the system, filters, RO membrane, incidental damages from system failure, systems used with parts not provided by Express Water (including tanks, filters, faucets, pumps, diverter valves), or cosmetic damages.

## Your State

Some states has further regulation on damages and warranty coverage. You may have other rights depending on your state.

For warranty questions, service, or help give us a call

**Monday - Friday 10 am to 5 pm PST: 800-992-8876**

Email us:  
**[support@expresswater.com](mailto:support@expresswater.com)**

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