

infiniti

MANUAL



infiniti
class

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infiniti MANUAL

Congratulations on your choice of the *infiniti Water Treatment System*. The *infiniti Water Treatment System* dispenses cold, and hot. Every *infiniti Water Treatment System* includes:



Bio-Cote Anti-Microbial Protection



Filter configuration can be optimized for all water conditions

The *infiniti Water Treatment System* provides exceptional quality and great tasting water with every use.

INTRODUCTION

Carefully read and follow all instructions to ensure proper and efficient operation of your *infiniti Water Treatment System*. Contact **Waterlogic** or an **Authorized Waterlogic Dealer** if you have any questions.

Waterlogic and **Authorized Waterlogic Dealers** employ trained service personnel who are experienced in the installation, function and repair of **Waterlogic** equipment. This publication is written for use by these qualified individuals. **Waterlogic** encourages users to learn about products, however, we believe that product knowledge and service is best obtained by consulting **Waterlogic** or an **Authorized Waterlogic Dealer**.

Waterlogic water treatment systems should be combined with selected water treatment components to create a system specifically tailored for each application by trained and qualified personnel.

Products manufactured and marketed by **Waterlogic** and its affiliates are protected by patents issued or pending in the United States and other countries.

Waterlogic reserves the right to change the specifications referred to in this literature at any time, without prior notice. Changes or modifications not expressly approved by **Waterlogic** could void the warranty and user's authority to operate the equipment.

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SAFETY ALERT SYMBOLS

Read and follow all safety information carefully. The signal words used in this manual are selected as shown below and based on an assessment of the degree of potential injury or damage (severe or minor) and the occurrence of injury (definitely occurs or has the potential to occur) when the warning is ignored:

 DANGER!

Indicates a situation which, when not avoided, results in death or severe injury.

 WARNING!

Indicates a situation which, when not avoided, has the potential to result in death or severe injury; and/or severe property damage.


 CAUTION!


Indicates a situation which, when not avoided, results or has the potential to result in minor injury; and/or minor property damage.


SAFETY PRECAUTIONS


Basic safety precautions should be followed, including the following:


Ensure all Local, State, and Federal Laws and Codes including health and safety guidelines are met when installing **Waterlogic** Equipment. Only qualified service technicians should attempt installation and service of **Waterlogic** Equipment. Always read the entire operating instructions before using the appliance and save these instructions for future use.

 DANGER! *This product can cause death or severe injury if incorrectly operated, installed or maintained. The installation, maintenance, sanitizing and any repair must be performed by qualified persons trained by Waterlogic International or their approved distributors only. Do not remove any panel or cover to protect against electrical shock.*

 DANGER! **ELECTRICAL SHOCK HAZARD. *Always use a dedicated and properly grounded outlet. Unit should be protected by ground-fault circuit interrupter (GFCI) or residual current device (RCD) having a rated residual operating current not exceeding 30mA. Use only Waterlogic supplied power cord. Never use extension cords or power strips to connect unit. Do not use if the power supply cord is damaged. Always unplug from power supply prior to servicing.***

 WARNING! **AUTHORIZED USE ONLY. *This appliance is to be used for its intended purpose as described in this manual and untrained individuals who use this manual assume the risk of any resulting property damage or personal injury. This appliance can't be used by children and persons with reduced physical, sensory or mental capabilities or lack of experience.***

 WARNING! **DO NOT OPERATE IF DAMAGED. *Unplug and isolate water supply if abnormal conditions exist. Contact Waterlogic or authorized dealer for repair, service, and installation to avoid hazards.***

 WARNING! **HOT WATER. *Unit produces Hot Water in excess of 80°C (175°F). Water above 52°C (125°F) can cause severe burns or scalding. Keep unauthorized people and children away from the unit to avoid accidental dispensing of hot water.***

- ⚠ WARNING! CONNECT TO POTABLE WATER SUPPLY.** *This system is to be used for water only and is not intended for use where water is microbiologically unsafe or with water of unknown quality without adequate disinfection before or after the system.*
- ⚠ WARNING! TIP HAZARD.** *Dispenser could tip or fall causing serious injury. Always install unit on a firm, flat, and level surface and secure unit to cabinet, wall, or floor if needed. Never place heavy items on top of unit and never climb, stand, or hang on unit or storage cabinet to prevent injury and damage.*
- ⚠ WARNING! UNIT IS HEAVY. TWO PERSON LIFT REQUIRED.** *Transport unit empty and always use material handling equipment or two people with proper lifting technique to reduce injury risk.*
- ⚠ WARNING! STORE AND TRANSPORT UNIT EMPTY. ALWAYS SANITIZE BEFORE USE.** *The unit must be completely drained before storing to avoid stagnation and reduce microbiological contamination (potential bacterial growth). Always sanitize before use to eliminate any potential microbiological contaminants.*
- ⚠ CAUTION! INDOOR USE ONLY.** *Intended for Household Use. Never expose to direct sunlight, heat sources, or ambient air temperature above 37°C (100°F) or below 2°C (35°F). Install indoors and keep unit away from excessive humidity. Never expose to freezing temperatures. Ensure there is adequate clearance around the unit to allow refrigeration system condenser to dissipate heat. Warmer environments require more clearance around the unit. Minimum clearance around all surfaces of the machine is 2-inches. Installs where the ambient temperature exceeds 27°C (80°F), require a minimum of 4-inches clearance for proper heat dissipation and efficient operation.*
- ⚠ CAUTION! USE A WATER PRESSURE REGULATOR.** *Waterlogic will not be responsible for injury or damage caused by excessive water pressure. Input or feed pressure must be 40 psi to 60 psi. Be aware of any potential pressure surges caused by building/municipal pumping stations.*
- ⚠ CAUTION! USE UV STABILIZED SUPPLY LINES.** *Feed the unit with a potable ambient or cold water supply only. Feed water over 37°C (100°F) can damage the treatment components. Water block devices and external leak detectors are strongly recommended. Locate the unit as close to the water supply and the electrical connections as possible. Locate the unit as close to the water supply and the electrical connections as possible. Immediately isolate or close water supply valve and contact service representative if leak is noticed.*

Contact Waterlogic for assistance or help finding an Authorized Service Representative.

Waterlogic *infiniti* FEATURES AND BENEFITS

Ambient, Cold and Hot Water

Cold and Hot Selections, which can be changed to Ambient and Cold settings to meet a wide range of customer demands.

High Volume Storage and Water Capacity

Tower Model has 4 liters of Cold Water Capacity and 1.6 Liters of Hot Water Capacity. Counter Top has 2 liters of Cold Water Capacity and 1.6 Liters of Hot Water Capacity.

BioCote® Anti-Microbial Protection

Certain plastic, silicon, and painted surfaces surrounding the dispensing areas and drip tray are infused with an exclusive additive called BioCote®. BioCote® provides an effective barrier against microbes like bacteria and mold, which may cause odors or staining.



Leak Detection

infiniti Water Treatment Systems are supplied with a Sensor in the Leak Tray that halts water supply to prevent overflow and sounds alarm to reduce accident potential.

Energy Saving Sleep Mode

Energy Saving Sleep Mode can be programmed to turn off. Sleep mode is dependent upon 3 hours of hot dispense activity

Large Dispense Area with Recessed Faucet

9.84 inch dispense height with BioCote® recessed faucet to protect from cross-contamination.

Child Safeguard

The *infiniti Water Treatment System* defaults to cold water selection. Hot water must be actively selected along with the dispense button and then dispensed within 1.5 second and defaults back to cold water selection. If both buttons are not pushed at the same time, hot water will not be dispensed. This feature eliminates the accidental dispensing of hot water.



infiniti CERTIFICATIONS

Waterlogic water treatment systems have been tested, and certified to rigorous NSF and UL Standards. We believe that performance testing and certifications validate **Waterlogic** as a world-leader in water treatment systems.

infiniti Water Treatment System, Certifications Include



UL399 – Certified Drinking Water Cooler

Intertek Labs (ETL) Certified the **infiniti Water Treatment System**, to ANSI/UL 399 Standard for Drinking Water Coolers.

CSA C22.2 No. 120 CSA Standard for Refrigeration



BPA Free - **Waterlogic** tests for BPA and declares that all of its products are Bisphenol-A FREE and contain no harmful BPA plastics.



NSF/ANSI-61 – Certified Drinking Water System Components

NSF / ANSI 372 – Drinking Water System Components – Lead Content

CSA B483.1 - Drinking Water Treatment Systems

This System has been tested and certified in accordance with NSF/ANSI-61 – Certified Drinking Water System Components, NSF / ANSI 372 – Drinking Water System Components for low Lead Content, and CSA B483.1 - Drinking Water Treatment Systems by the Water Quality Association (WQA)



Energy Star Certified

The **infiniti Water Treatment System**, has been tested and certified to the Energy Star, a US Environmental Protection Agency (EPA) program that helps our customers save money and protect our climate through superior energy efficiency.

Waterlogic is certified to ISO 9001:2015 – Quality Management Systems (certified by Intertek). ISO 9001 is the internationally accepted standard for well managed organizations that have adopted the key quality management principles to its operations to bring consistent quality products and a culture of continuous improvement.



Safe Drinking Water Act

Waterlogic water treatment systems conform to the Safe Drinking Water Act (SWDA) “lead-free” amendment effective January 4, 2014.

MODEL/PART DESIGNATIONS

BRAND NAME	DESCRIPTION	MODEL - PART NUMBER
<i>infiniti</i> Cold and Hot Charcoal and Silver Tower	<i>infiniti</i> - Cold and Hot –Tower	IIHCRC
	F-5001-FS-HC-TT-CS-ION	
	Serial Number Prefix: Y1 or QB1H216CS	
<i>infiniti</i> Cold and Hot Charcoal and Silver Countertop	<i>infiniti</i> - Cold and Hot –Countertop	IIMHCRC
	F-5001-M-HC-TT-CS-ION	
	Serial Number Prefix: Y3 or QB2H216CS	

SPECIFICATIONS

ITEM	<i>infiniti Hot and Cold</i>	<i>infiniti Cold and Ambient</i>
Water Connection	¼" Quick Connect	
Cold Water Temperature	Cold Water Temperature – Factory Set Point 41° - 5°C (Adjustable) 34° - 54° F. (1.1° - 12.2°C)	
Hot Water Temperature	Factory Set Point 185° F (85°C)	
Hot Water Manual Reset Overload	221° F (105°C)	
Recommended Service Pressure	40-60 psi (275-414 kPa) – Use Pressure Regulator	
Maximum Service Pressure	100 psi (689 kPa) – Use Pressure Regulator	
Rated Service Flow	0.5 gallons per minute (1.89 Lpm)	
Environmental Temperature	35° - 100°F (2° - 37°C)	
Heater	500 W	
Refrigerant Gas Compressor: CO-0020-L000	R134a, 43g, 1.52 ounces	R134a, 53g, 1.87 ounces
Refrigerant Gas Compressor: 10-2200(CO-9001A)	R134a, 40g, 1.41 ounces	R134a, 65g, 2.29 ounces
R134a Pressures	High (230 psi), Low (90 psi)	

SHIPPING SPECIFICATIONS

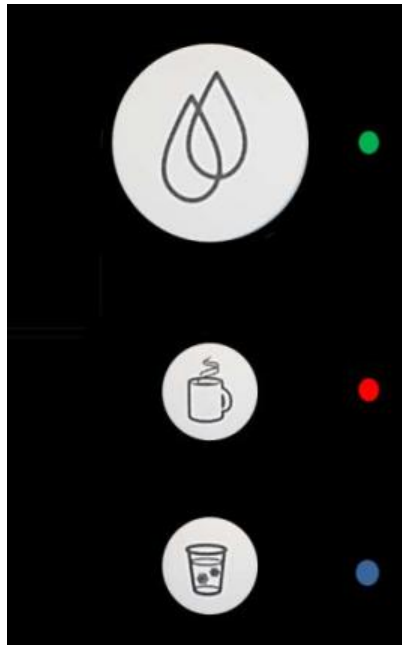
ITEM	<i>infiniti</i> Counter Top	<i>infiniti</i> Tower
Width/Depth/Height	13.75" x 15.25" x 19" [#] (35cm x 38.75cm x 48.3cm)	13.5" x 14.5" x 40.5" (34cm x 41cm x 103cm)
Weight (dry)	42 pounds (19.5 kg)	58 pounds (26.5 kg)

ELECTRICAL SPECIFICATIONS






ELECTRICAL SUPPLY	120V/60Hz, 1PH	15 Amp Service
COMPONENT	POWER (approximate)	AMP DRAW (approximate)
Heater	800	6.6 Amps
Compressor	216	1.8 Amps
<i>infiniti</i> TOTAL	1016	8.4 Amps

#*infiniti* Counter Top is 19 inches. tall and may not fit between countertops and cabinets - Check installation to ensure adequate clearance.

OPERATING INSTRUCTIONS



The above picture shows front LED and control panel for the *Waterlogic infiniti Water Treatment System*, water treatment systems.

Button	Operational Use
	<u>Cold Water</u> - Press Dispensing Button to start dispensing cold water until desired fill. Cold Water is the Default Water Selection
 + 	<u>Hot Water</u> – Press and Release the Hot Water Selection Button followed by pressing and holding the Dispense Button. ⚠ WARNING! <i>Unit produces Hot Water up to 188°F (87°C). Water above 125°F (52°C) can cause severe burns or scalding. Keep unauthorized people and children away from the unit to avoid accidental dispensing of hot water. Children should not use without supervision.</i>
 + 	<u>Cold Water</u> - Press and Release the Cold Water Selection Button followed by pressing and holding the Dispense Button.

NOTE: Default selection mode is Cold Water. Selection will return to default after 3 seconds of inactivity.

WATERLOGIC MANUFACTURED WATER TREATMENT SYSTEM LIMITED WARRANTY **UNITED STATES AND CANADA ONLY**

Waterlogic water treatment systems are guaranteed to the original purchaser to be free of defects in materials and workmanship for a period of three (3) years from the date of purchase, but in no event longer than forty-eight (48) months from the date of manufacture. Waterlogic Commercial Products, LLC (“Waterlogic”) based in the U.S.A. and its affiliated companies are not liable for any cost of removal, installation, transportation, or any other charges which may arise in connection with a warranty claim.

This warranty does not cover damage or wear to products caused by abnormal operating conditions, accident, abuse, misuse, unauthorized or improper alteration or repair, damage caused by or resulting from shipping or accident, damage caused by hot water, freezing, flood, fire, or acts of God. The effects from chlorine corrosion, scaling and normal wear are specifically excluded from this warranty. This warranty does not cover products used outside the countries where the unit was purchased, and does not cover products that were not installed in accordance with Waterlogic printed installation and operating instructions obtained in training or from www.waterlogic.us. Failure to follow all instructions for operation and maintenance voids the warranty. This warranty is not transferable.

To obtain warranty repairs or replacement, you must obtain a Return Authorization from Waterlogic. To obtain a Return Authorization, you must submit a Return Authorization form with supporting documentation to Waterlogic for evaluation. The form is available at www.waterlogic.us. Supporting documentation must include, but is not limited to; proof of purchase, installation date, failure date, and supporting installation and maintenance data. After you submit a Return Authorization form and supporting documentation, Waterlogic will determine whether a reasonably apparent defect in materials or workmanship covered by this limited warranty exists. If Waterlogic determines the claimed defect is covered by this warranty, Waterlogic will, at its sole discretion, determine whether to correct the defect or replace the unit, free of charge to you. If Waterlogic determines that the unit should be returned for warranty service, Waterlogic will approve of return in writing and will issue a Return Authorization which you must obtain prior to shipping the product. You are responsible for the cost of freight in to Waterlogic.

Waterlogic and its affiliated companies hereby limit the duration of any and all implied warranties to a maximum period of three (3) years from the date of purchase including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Consequential and incidental damages are not recoverable under this warranty. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which may vary from state to state.

New Warranty Policy issued by Waterlogic Commercial Products LLC, USA - January 10, 2014

Waterlogic Commercials Products LLC
3175 Bass Pro Drive
Grapevine, TX 76051

Tel: (800) 288-1891
Website: waterlogic.us

SERVICE REQUIREMENTS

⚠ WARNING! *Read and understand the contents of this manual before attempting to service infiniti Water Treatment System. Failure to follow the instructions in this manual could result in death, serious personal injury, or severe property damage. Only trained and qualified technicians should attempt to install, maintain, or service Waterlogic Equipment.*

1. Visually inspect all electrical and water connections for signs of wear or damage.

⚠ DANGER! **HIGH VOLTAGE ELECTRICAL HAZARD.** *Unplug before inspection and service.*

2. Ensure there is adequate (minimum of 2") clearance around the unit and clean the condenser grill and Compressor fan to provide efficient cooling system operation.
3. Sanitize the Cold Tank per instructions in the pre-installation procedures.
4. Clean and sanitize external surfaces of the unit. Use soap and water or chemicals that are compatible with ABS plastic and will not damage or degrade the product surfaces.
5. Remove and clean the Faucet. Replace as needed.

⚠ WARNING! **SANITIZER MAY CONTAIN HAZARDOUS CHEMICALS.** *Use of proper personal protective equipment such as rubber gloves and eye protection is required.*

LG COMPRESSOR UPGRADE

*Parts List in this manual updated to reflect these changes.

New LG Compressor 120V R134A 1/8HP CSB035LJCM with external start/run capacitor. Compressor Part Number: CO-0020-L00-00

New LG Compressor with External Start/Run Capacitor



External Capacitor

New LG CSB035 LJCM Compressor

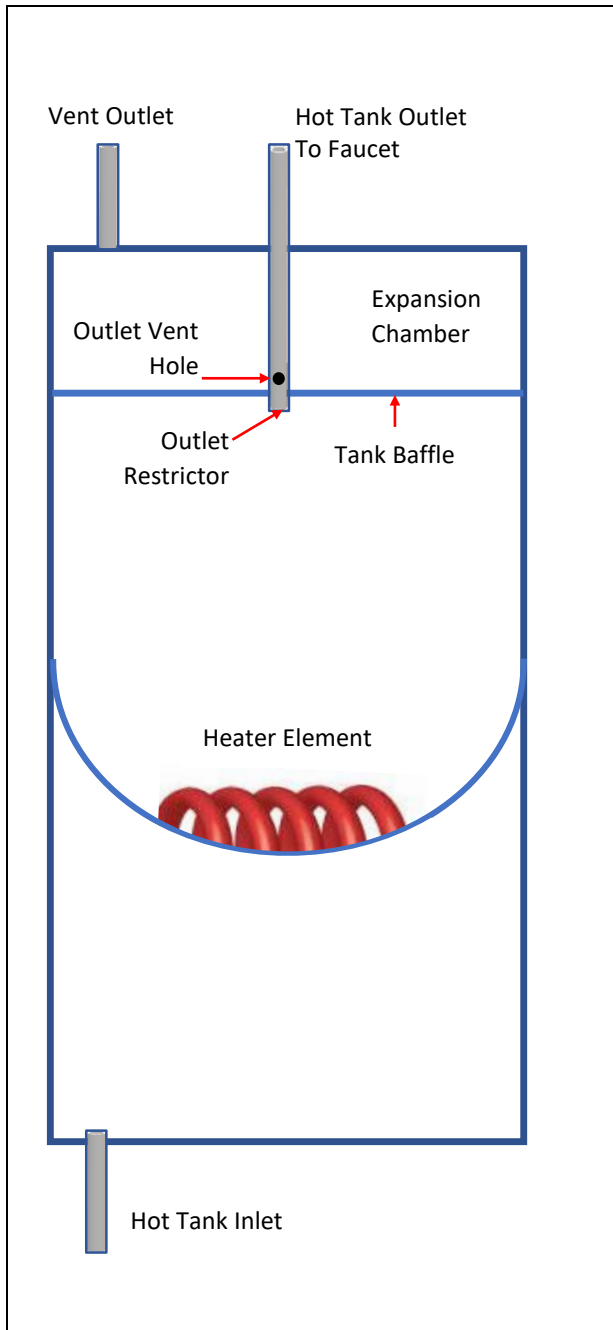
Repair/Replacement Parts for are not interchangeable with older/other compressors.

Older version of LG compressor is obsolete and no longer available.

New LG CSB035LJCM 120V R134A 1/8HP Compressor Repair Parts

Part # CO-0017-L00-00	LG Compressor 120V CSB035LJCM-PTC Relay
Part # CO-0018-L00-00	LG Compressor 120V CSB035LJCM-Overload Protector
Part # CO-0019-L00-00	LG Compressor 120V CSB035LJCM-Capacitor

HOT TANK PRINCIPLES OF OPERATION



All **Waterlogic** Hot Tanks have a built-in Vent or Expansion Chamber in the top of the tank except for WL270 (GF) units.

The Vent Chamber allows for expansion of the water when it is heated.

The chambers are separated by a welded-in tank baffle.

Water always flows into the bottom of the tank and out the top to the faucet.

The hot tank outlet tube has a restrictor in its base. This ensures the reservoir is always full by allowing more water in than out.

There is a small hole in the side of the tank outlet tube that allows air and water to pass into the vent chamber as it is heated.

Water in the vent chamber is suctioned back through the outlet tube vent hole when water is dispensed.







Expansion of water as it is heated in the reservoir will push the water out the faucet when the outlet tube vent hole becomes plugged with debris or scale.

The small Outlet Vent Hole is susceptible to scale build up and is a key indicator that descaling is required.

It is critical to descale the hot tank through the vent line and outlet line on a regular basis to prevent this problem.

Descaling through the inlet and/or outlet lines only will not clean the vent chamber and outlet vent hole properly.

RESETTING THE HOT TANK OVERLOAD OR HIGH LIMIT SAFETY

1.	Red Heater and Power Switch must be in the off position <i>O=OFF</i>	
2.	Unplug the Power Cord from rear of unit.	
3.	Locate the Hot Tank Overload with Manual Reset. <div style="display: flex; justify-content: space-around; align-items: center;">    </div> <p style="text-align: center;">Overload with Manual reset - 221°F (105°C) WLCN PN 12-1360 – Factory P/N HT-3012</p>	
4.	Depress the Red Hot Tank Overload Button	
5.	Plug in the Power Cord.	
6.	Make sure the hot and cold tanks are filled with water BEFORE turning on the Red Heater and Power Switch.	
7.	Turn the Red Heater and Power Switch On <i>I = ON</i>	
8.	Verify the <i>infiniti Water Treatment System</i> is fully operational before installing it at the customers' site.	

HOT TANK DESCALING INSTRUCTIONS

The hot tank requires removal of mineral deposits (descaling) on a regular basis. Typically descaling should take place every 6 to 12 months to preserve the long-term health of your unit.

Use non-toxic cleaner such as ScaleKleen, DEZCAL, 20% Citric Acid Solution, or Undiluted Vinegar Solution to remove mineral deposits as directed by the manufacturer depending upon filtration and local water conditions.

Descaling is an important process that removes calcium deposits, or scale, that can build up inside a tank over time. Calcium and scale is non-toxic but left unattended will hinder your unit's performance.

⚠️ WARNING! ***PERSONAL PROTECTIVE EQUIPMENT REQUIRED.** Always ensure proper ventilation and use rubber or nitrile gloves and eye protection when using chemicals. Refer to Material Safety Data Sheet for specific requirements of each product.*

⚠️ CAUTION! ***STAINLESS STEEL TANK DESCALING.***

The hot tank is made from stainless steel. Ensure descaling solution is compatible with stainless and always flush the unit completely. Dispose in an environmentally safe manner.

Materials Needed:

- Personal Protective Equipment. Rubber or Nitrile Safety Gloves and Protective Eyewear
 - Phillips Screwdriver
 - Temperature Gauge
 - Water Pitcher or Container to collect water from the faucet
 - 5-gallon container or drain basin
 - Citric Acid Based Cleaner
 - ¼" Plastic Tubing, at least 4 feet in length, and assorted ¼" quick connect fittings
 - Sanitizing Cartridge
 - Food Coloring
1. Put descaler per directions and 3 drops of food coloring into the descaling cartridge.
 2. Connect descaling cartridge to the inlet water supply and connect to inlet bulkhead fitting on the back of the unit. Turn on Water Supply.
 3. Select Hot Water and depress the Main Dispensing Button on the Front Control Panel until descaling solution (colored water) comes out of the faucet. Container and drain basic will be required to catch water from the faucet.
 4. Turn off water supply and remove sanitizing cartridge from inlet water supply. Reconnect water supply to inlet fitting.

5. Allow descaling solution to remain in the Hot Tank for 15 minutes (length of time may vary depending on water conditions).
6. Place a pitcher, catch basin or other container under the faucet of the ***infiniti Water Treatment System***,
7. Flush the Hot Tank until water runs clear.
8. Once clear Water dispenses from the faucet the Hot Tank has been descaled. Always ensure unit is performing to the customer's satisfaction.

⚠ WARNING! HOT WATER. *The **infiniti Water Treatment System** produces Hot Water up to 188°F. Water above 125° can cause severe burns or scalding. Hot water should be dispensed carefully into insulated container to avoid injury.*

⚠ CAUTION! MUST REPLACE HOT TANK 3-5 YEARS DEPENDING ON USAGE. *The hot tank and its controls must be replaced a minimum of every five years to ensure efficient and dependable operation.*

⚠ WARNING! REINSTALL ALL PANELS AND COVERS. *Always reinstall all panels, protective covers, and fasteners after servicing equipment. Failure to do so could result in severe personal injury and will void the certifications and warranty of the equipment.*

ADJUSTING COLD SET POINT

Cold Water Temperature – Factory Set Point is 41°F (5°C) and can be adjusted to 34°F - 54°F (1.1°C to 12.2°C)

The cold set point can be adjusted by accessing the cold thermostat adjustment screw under the decal at the rear of the unit.



Remove the red portion of the Cold Tank Temperature label to access the adjustment screw.

The factory set point is ~41°F and is indicated by the dot on sheet metal.



Turning the adjustment screw clockwise to lower the set point temperature.

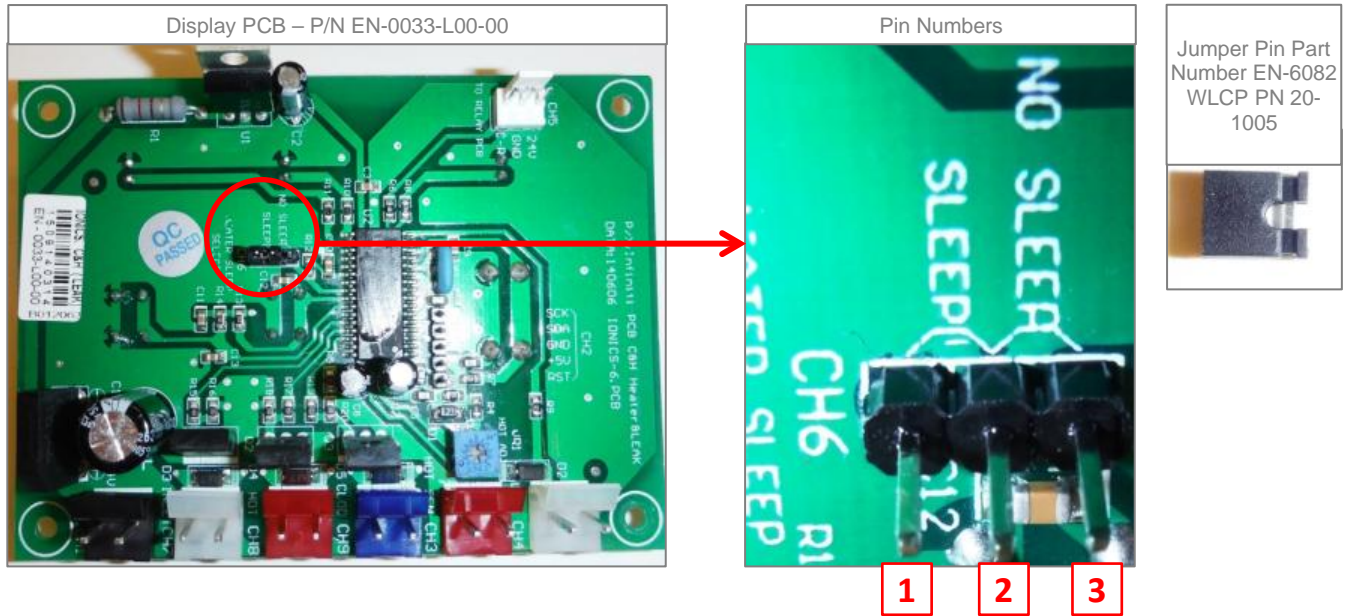
Do not adjust past the “Max Cold” position at 3:00 position to avoid freezing the cold tank.



Turning the adjustment screw counter-clockwise to raise the set point temperature.

PROGRAMMING “DISABLING ENERGY SAVING SLEEP MODE”

Infiniti Water Treatment System comes programmed to Energy Saver Mode. To turn off the Energy Saving Mode, move the Jumper on CH6 from Pins 1-2 to Pins 2-3



<p><i>Infiniti</i> is programmed in Energy Saving Mode from the factory</p> <p>Jumper Pin Position – Pin 1 and 2</p>	
<p>Turn off Energy Saving Mode</p> <p>Jump Pin Position – Pin 2 and 3</p>	

REPLACEMENT COMPONENTS (CONSUMABLES)

Component	WLCP Part No.	Frequency of Replacement
Hot Tank (Factory Set Point of 185°F - 85°C) 1.6 Liter Capacity	10-4029	Replace every 3-5 years depending on usage. PN HT-3024
GAC Filter - 10" Carbon Activated Inline Filter – <i>*Filter Element PN FT-0038-WLT Tower and Counter Top</i>	FT-0035	Every 6-months or as required. Local water conditions will determine proper filter type and maintenance schedule. Factory P/N: FT-0035-IL-WLT
Carbon Block - 10" CBC 1 Micron Lead and Cyst Reduction Inline Filter – <i>*Filter Element PN FT-0064-WLT Tower and Counter Top</i>	FT-0063	Every 6-months or as required. Local water conditions will determine proper filter type and maintenance schedule. Factory P/N: FT-0063-IL-WLT
Sediment Filter – 20 Micron <i>*Filter Element PN FT-0055-WLT Tower</i>	FT-0053	Every 6-months or as required. Local water conditions will determine proper filter type and maintenance schedule. Factory P/N: FT-0053-IL-WLT

⚠ CAUTION! Use only Waterlogic Replacement parts that can be obtained from *Waterlogic* or an *Authorized Waterlogic Dealer*, failure to do so will void the Warranty.

See Installation and Service Manual for additional information.

Hot Tank Service

Hot Tanks (with controls) must be replaced at least every 3-5 years depending on usage. Descaling hot tank may be required on a regular basis depending upon filtration and local water conditions. See Installation and Service Manual for further details.

Surface Cleaning

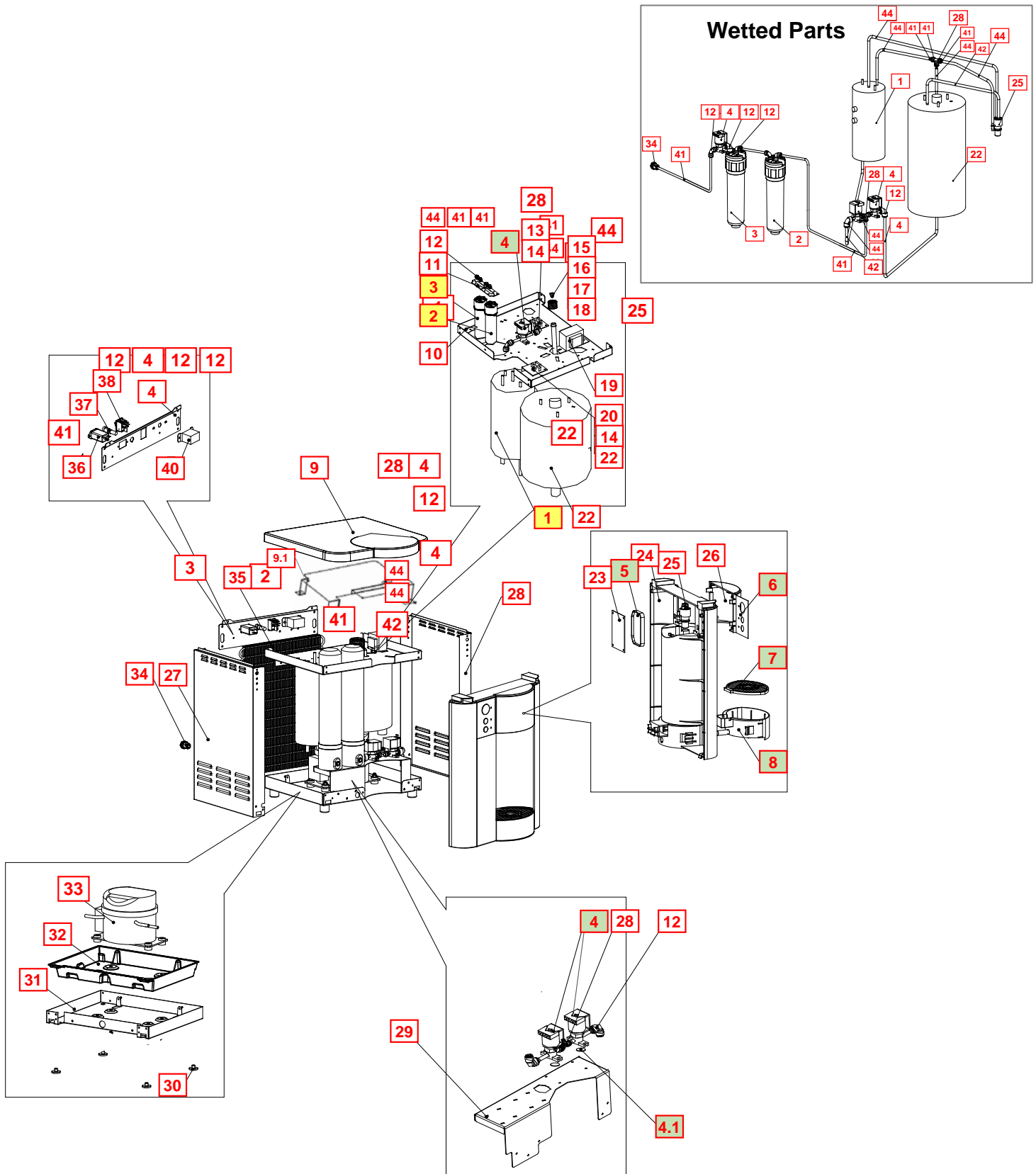
Clean on a regular basis with damp lint free cloth. Never use harsh chemicals (alcohol or acid based) or abrasive agents on any part of the product to avoid damage. A mild cleaner such as Simple Green or equivalent is recommended.

DISPOSAL

End of Life

At the **end of this product's life**, ensure that it is disposed of in an environmentally friendly manner which is fully compliant **with all Federal/State/Local Requirements and Guidelines**. Do not dispose of this appliance with normal household or business waste.

***infiniti* COUNTER TOP PARTS DRAWING AND PARTS LIST**





No	WLUSA Part Number	Description	Factory Part Number	Part
Consumables				
1	10-4029	Hot Tank 120V/500W - 1.6L with Thermistor	HT-3024	
2	FT-0063	Carbon Block - 10" CBC 1-Micron Lead and Cyst Reduction Inline Filter <i>Filter Element PN FT-0038-WLT</i>	FT-0063-IL-WLT	
3	FT-0035	GAC Filter - 10" Carbon Activated Inline Filter <i>Filter Element PN FT-0064-WLT</i>	FT-0035-IL-WLT	
Recommended Spare Parts				
1.1	12-6900	Thermostat and Overload Metal Cover <i>Recommend stocking 2 each per every 10 units purchased</i>	EL-0159-L00-00	
4	PU-4017	Solenoid Valve DC24V 500mm <i>Recommend stocking 2 each per every 10 units purchased</i>	PU-4017	
4.1	CU-0001	Solenoid Cushion <i>Recommend stocking 2 each per every 10 units purchased</i>	CU-0001	
5	NA	Dispensing Silicon Buttons <i>Recommend stocking 2 each per every 10 units purchased</i>	PL-0109-L00-00	
6	NA	Display Button Label <i>Recommend stocking 2 each per every 10 units purchased</i>	LP-7087	
7	11-2070	Drip Tray Grill – Silver <i>Recommend stocking 2 each per every 10 units purchased</i>	PL-1163-L00-SI	
8	11-2073	Drip Tray - Silver - No Logo <i>Recommend stocking 2 each per every 10 units purchased</i>	PL-1162-L00-SI	
9	NA	Top Cover – Charcoal <i>Recommend stocking 2 each per every 10 units purchased</i>	PL-0107-L00-CS	
9.1	ST-0049-L00-00	High Voltage Metal Cover (ETL Certification) – Under Top Cover <i>Recommend stocking 2 each per every 10 units purchased</i>	ST-0049-L00-00	

Remaining Parts				
1.2	10-3030	Hot Tank Thermistor	HT-3002	
1.3	12-1360	Overload with Manual reset - 221°F (105°C)	HT-3012	
10	NA	Upper Shelf	ST-8234	
11	NA	Inline Filter Bracket	ST-0088-L00-WH	
12	PU-4008	JG Equal Elbow Connector 1/4" (PI0308S)	Purchase from John Guest	
13	NA	Relay PCB	EN-0010-L00-00	
14	10-3017	Plastic PCB Support	EN-6059	
15	NA	4W UV Fixing Rubber	PL-0235-L00-00	
16	12-1210	UV Lamp Retaining Threaded Nut	PL-1128	
17	10-2500	Black O-Ring for Quartz Sleeve	CT-2006	
18	CT-2062-CN	Quartz Sleeve (100mm)	CT-2062CN	
19	12-3117	Power Transformer	EL-5003-A	
20	12-8150	3 Minute UV Timer PCB	AK-0008-A	
21	NA	Plastic PCB Support (one side)	EN-6059-A	
22	12-3110	Cold Tank – 2L	CT-2060	
23	EN-0033-L00-00	Display PCB	EN-0033-L00-00	





24	11-2085	Drip Tray Insert Panel	PL-1157	
25	10-2700	Faucet Assembly – Cold and Hot	PL-1011	
25.1	10-3048	Faucet Nipple – Blue with Screen	PL-1013	
26	NA	Silver Insert Hatch Panel	PL-0127-L00-00-INF	
27	NA	Side Panel – Charcoal	ST-8236	
28	Purchase from John Guest	Equal Tee Connector ¼” (John Guest PN P10208S)	PU-4011	
29	NA	Filter Bracket	ST-8239	
30	12-3150	Unit Rubber Feet	PL-1251-CN	
31	NA	Bottom Shelf	ST-8235	
32	NA	Leak Tray	PL-0116-L00-00	

Verify compressor in machine before ordering parts as the Compressor P/N CO-0020-L00-00 and 10-2200 (CO-0001A) and related parts are not interchangeable.

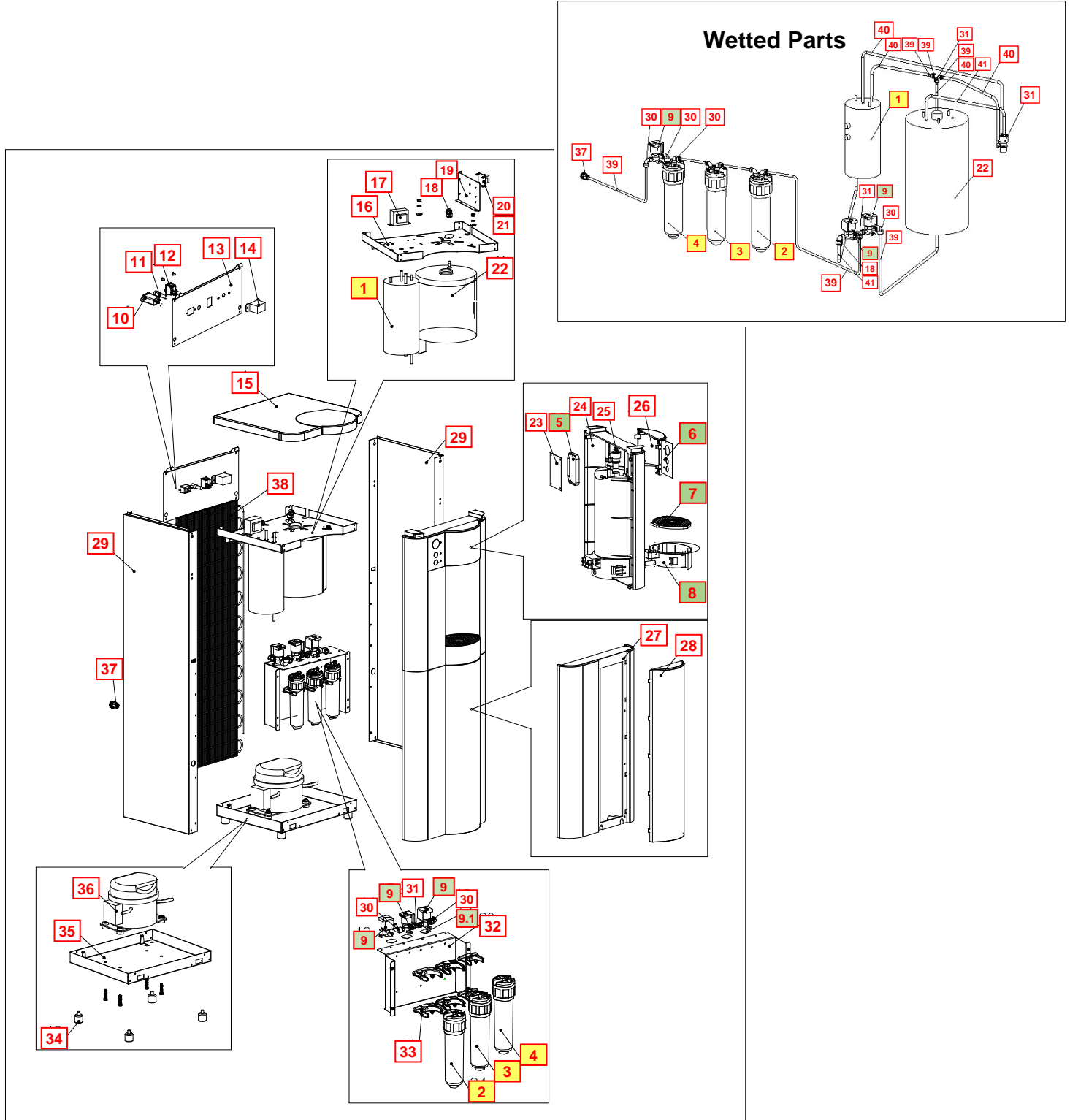
CO-0020-L00-00 LG Compressor

33A.1	CO-0020-L00-00	LG Compressor 120V R134A CSB035LJCM	CO-0020-L00-00	
33A.2	CO-0019-L00-00	Compressor Capacitor	CO-0019-L00-00	
33A.3	ST-0216-L00-00	Capacitor Bracket	ST-0216-L00-00	
33A.4	CO-0017-L00-00	PTC Relay	CO-0017-L00-00	
33A.5	CO-0018-L00-00	Overload Protector	CO-0018-L00-00	



CO-9001-A / 10-2200 Compressor				
33B.1	10-2200	Compressor (R134a 1/8HP) 120V/60Hz	CO-9001-A	
33B.2	10-3003	Compressor Starter Relay	CO-9016	
33B.3	10-5018	Compressor Overload	CO-9015	
34	10-3067	Bulkhead Union ¼" x ¼" John Guest P/N PI1208S	PU-4028	
35	12-3100	Wire Condenser	CO-9031	
36	10-4013	Power Line Noise Filter, ElectroMagnetic Interference Filter (EMI)	EL-5016	
37	10-3014	Fuse Holder and Fuse (120V / 15A) with One Wire	EL-5053	
37.1	10-3013	Fuse 120V / 15A	EL-5010	
38	10-3008	Red Power – Heater Switch	EL-5004	
39	NA	Back Panel	ST-8238	
40	12-1101	Cold Water Thermostat	CT-2016	
40.1	LP-0326	Cold Thermostat Cover Label	LP-0326-L00-00	
41	Purchase from John Guest	LPDE Blue Tube ¼" (John Guest PN PE-08-BI-1000F-B)	PU-4031	

42	10-3062	LPDE Blue Tube 8mm (5/16") (John Guest PN PE-0806-100M-B)	PU-4014	
43	Purchase from John Guest	Reducing Elbow 5/16" to 1/4" elbow Connector (John Guest PN PI211008S)	PU-4007	
44	10-7040	Silicon Tube for Hot Water 5/16"	PU-4064-L00-00	
Not Shown	10-3007	Power Cord 120V – 18240mm	EL-5001-B	

***infiniti* TOWER PARTS DRAWING AND PARTS LIST**

















infiniti TOWER PARTS DRAWING AND PARTS LIST

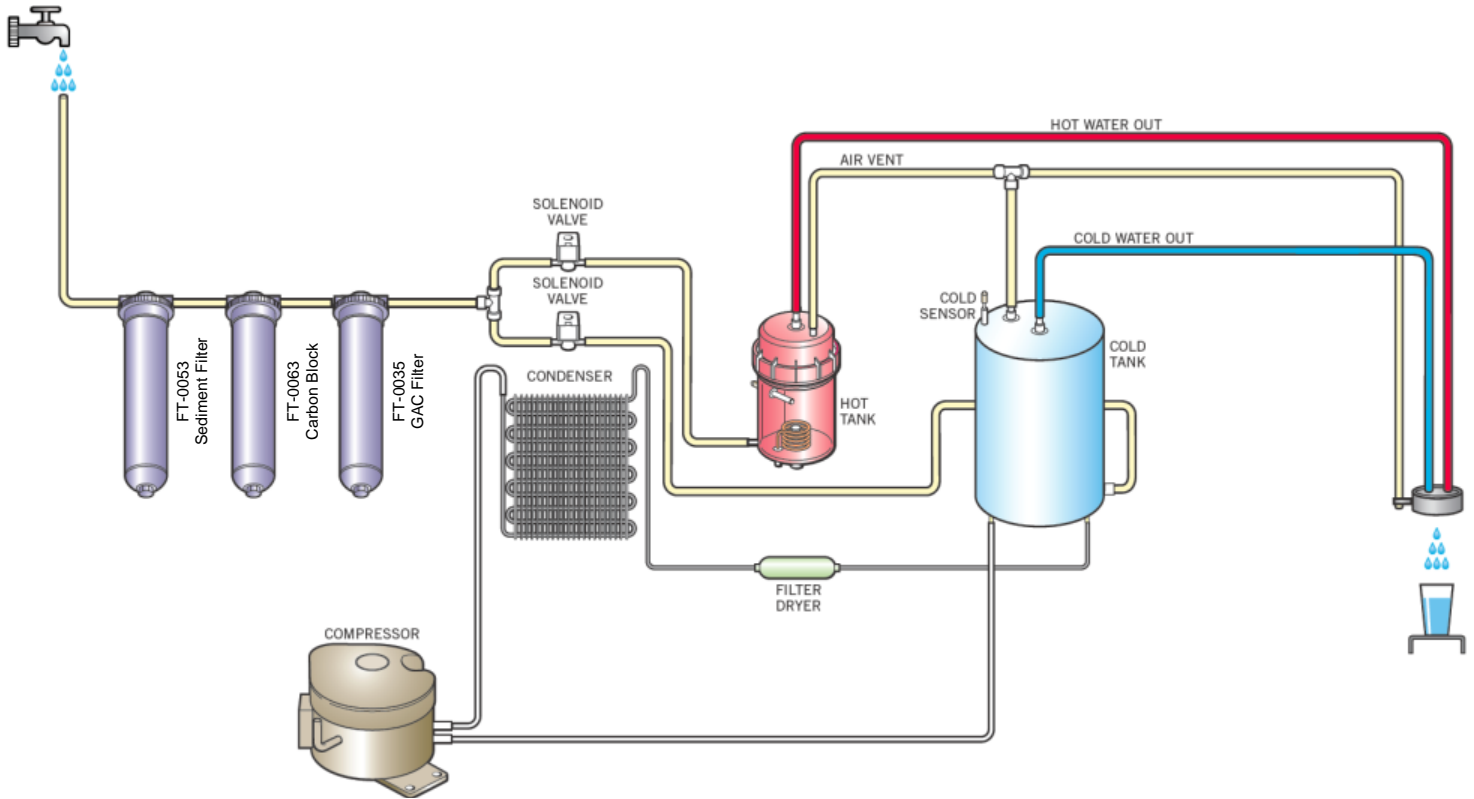
No	WLUSA Part Number	Description	Factory Part Number	
Consumables				
1	10-4029	Hot Tank 120V/500W - 1.6L with Thermistor	HT-3024	
2	FT-0035	GAC Filter - 10" Carbon Activated Inline Filter <i>Filter Element PN FT-0064-WLT</i>	FT-0035-IL-WLT	
3	FT-0063	Carbon Block - 10" CBC 1-Micron Lead and Cyst Reduction Inline Filter <i>Filter Element PN FT-0038-WLT</i>	FT-0063-IL-WLT	
4	FT-0053	Sediment Filter - 10" Sediment 20 Micron Inline Filter <i>Filter Element PN FT-0055-WLT</i>	FT-0053-IL-WLT	
Recommended Spare Parts				
1.1	12-6900	Thermostat and Overload Metal Cover <i>Recommend stocking 2 each per every 10 units purchased</i>	EL-0159-L00-00	
5	11-2060	Silicon Button Mat <i>Recommend stocking 2 each per every 10 units purchased</i>	PL-1167	
6	NA	Display Button Label <i>Recommend stocking 2 each per every 10 units purchased</i>	LP-7087	
7	11-2070	Drip Tray Grill – Silver <i>Recommend stocking 2 each per every 10 units purchased</i>	PL-1163-L00-SI	
8	11-2073	Drip Tray - Silver - No Logo <i>Recommend stocking 2 each per every 10 units purchased</i>	PL-1162-L00-SI	
9	PU-4016	Solenoid Valve DC24V 1000 mm <i>Recommend stocking 2 each per every 10 units purchased</i>	PU-4016	
9.1	CU-0001	Solenoid Cushion <i>Recommend stocking 2 each per every 10 units purchased</i>	CU-0001	
Remaining Parts				
1.2	10-3030	Hot Tank Thermistor	HT-3002	
1.3	12-1360	Overload with Manual reset - 221°F (105°C)	HT-3012	

10	10-4013	Power Line Noise Filter, ElectroMagnetic Interference Filter (EMI)	EL-5016	
11	10-3014	Fuse Holder and Fuse (120V / 15A) with One Wire	EL-5053	
11.1	10-3013	Fuse 120V / 15A	EL-5010	
12	10-3008	Red Power – Heater Switch	EL-5004	
13	NA	Back Panel	ST-8154	
14	12-1101	Cold Water Thermostat	CT-2016	
14.1	LP-0326	Cold Thermostat Cover Label	LP-0326-L00-00	
15	NA	Top Cover - Charcoal	PL-0107-L00-CS	
16	12-8003	Upper Shelf	ST-8136-R2	
17	12-3117	Power Transformer	EL-5003A	
18	Purchase from John Guest	Reducing Elbow 5/16" to 1/4" elbow Connector (John Guest PN PI211008S)	PU-4007	
19	12-5245	Main PCB Bracket	ST-8165CN	
20	NA	Relay PCB	EN-0010-L00-00	

21	10-3017	Plastic PCB Support	EN-6059	
22	NA	Cold Tank Assembly 4L	CT-2017	
23	EN-0033-L00-00	Display PCB	EN-0033-L00-00	
24	11-2085	Drip Tray Insert Panel	PL-1157	
25	10-2700	Faucet Assembly – Cold and Hot	PL-1011	
25.1	10-3048	Faucet Nipple – Blue with Screen	PL-1013	
26	NA	Front Top Hatch Panel	PL-0108-L00-SI	
27	11-2015	Bottom Front Panel	PL-1159	
28	PL-1160	Front Bottom Insert Panel	11-2030	
29	11-2020	Side Panel	ST-8153	
30	PU-4008	JG Equal Elbow Connector 1/4" (PI0308S)	Purchase from John Guest	
31	Purchase from John Guest	Equal Tee Connector 1/4" (John Guest PN P10208S)	PU-4011	
32	12-8005	Filter Bracket	ST-8138	

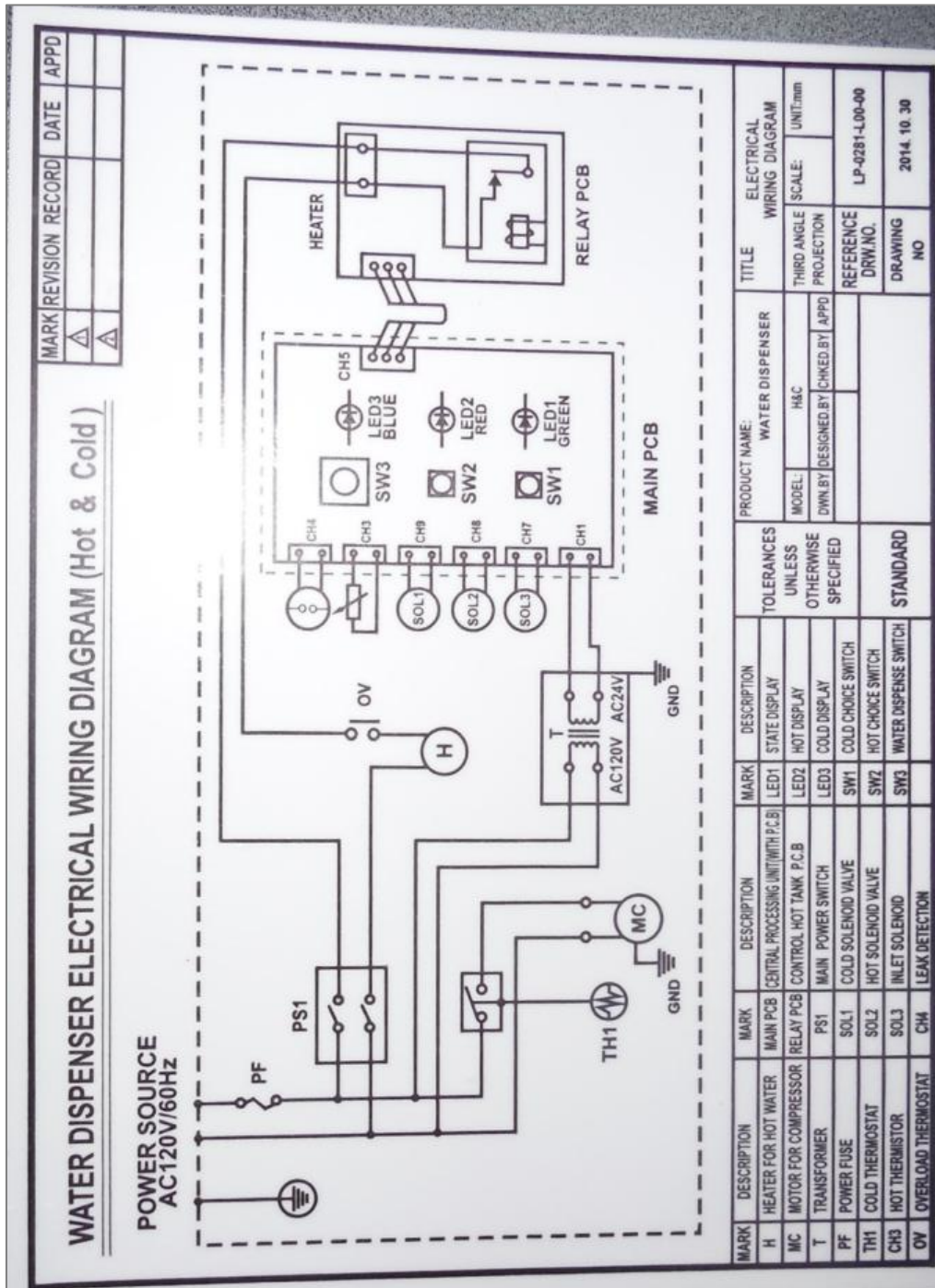
33	20-1010	2.8" Filter Clip	PU-4161	
34	10-3083	Rubber Feet	ST-8016	
35	12-8004	Bottom Tray	ST-8137	
Verify compressor in machine before ordering parts as the Compressor P/N CO-0020-L00-00 and 10-2200 (CO-0001A) and related parts are not interchangeable.				
CO-0020-L00-00 LG Compressor				
36A.1	CO-0020-L00-00	LG Compressor 120V R134A CSB035LJCM	CO-0020-L00-00	
36A.2	CO-0019-L00-00	Compressor Capacitor	CO-0019-L00-00	
36A.3	ST-0216-L00-00	Capacitor Bracket	ST-0216-L00-00	
36A.4	CO-0017-L00-00	PTC Relay	CO-0017-L00-00	
36A.5	CO-0018-L00-00	Overload Protector	CO-0018-L00-00	
CO-9001-A / 10-2200 Compressor				
36B.1	10-2200	Compressor (R134a 1/8HP) 120V/60Hz	CO-9001-A	
36B.2	10-3003	Compressor Starter Relay	CO-9016	
36B.3	10-5018	Compressor Overload	CO-9015	
37	10-3067	Bulkhead Union 1/4" x 1/4" John Guest P/N P11208S	PU-4028	
38	12-8102	Wire Compressor	CO-9027	
39	Purchase from John Guest	LPDE Blue Tube 1/4" (John Guest PN PE-08-BI-1000F-B)	PU-4031	
40	10-7040	Silicon Tube for Hot Water 5/16"	PU-4064-L00-00	
41	10-3062	LPDE Blue Tube 8mm (5/16") (John Guest PN PE-0806-100M-B)	PU-4014	
Not Shown	10-3007	Power Cord 120V – 18240mm	EL-5001-B	

Waterlogic *infiniti* Water Treatment System, WATER FLOW DIAGRAM



infiniti ELECTRICAL DIAGRAM

⚠ DANGER! HIGH VOLTAGE ELECTRICAL HAZARD. PCB (Printed Circuit Board) contains High Voltage. Only trained and qualified technicians should attempt live testing.



PRE-INSTALLATION PROCEDURES

⚠ DANGER! ELECTRICAL SHOCK HAZARD.

Only qualified personnel who have read and understand this entire manual should attempt to install, or service this unit, failure to do so could result in death or serious injury. DO NOT plug into an electrical supply until specifically instructed.

⚠ WARNING! ALWAYS SANITIZE BEFORE USE.

Sanitize before use to eliminate any potential microbiological contaminants.

Red Compressor/Heater Switch must be in the O=OFF position while the Hot Tank is empty. Damage could occur within one minute and the two Hot Tank Overload Devices (High Safety Limit) require manual reset if heater is turned on with an empty Hot Tank.



⚠ CAUTION! DRIP TRAY DRAIN.

If you intend to provide a drip tray drain for your customer, be aware that you will be called multiple times per month to service and unclog the tubing leading away from the drip tray to drain. Users will clog the drain with paper clips, erasers, napkins, tea bags, gum, and various other intended items. Waterlogic recommends you establish a minimum of weekly visits to the machine for cleaning of the drip tray drain.

Materials Needed:

- Personal Protective Equipment. Rubber or Nitrile Safety Gloves and Protective Eyewear
- Phillips Screwdriver
- Temperature Gage
- Water Pitcher or Container to collect water from the faucet
- 5-gallon container or drain basin
- Sanitizer - Household Bleach (5.25% Sodium Hypochlorite) or Citric Acid Based Cleaner
- Tapered Tip Squirt Bottle
- ¼" Plastic Tubing, at least 4 feet in length, and assorted ¼" quick connect fittings
- TDS Meter and Test Strips for measuring chlorine - Optional

1. Unpack the **Waterlogic infiniti Water Treatment System**, and check exterior for damage.

Flush Filters

⚠ CAUTION! FILTER FLUSH REQUIRED.

infiniti Water Treatment Systems, are not supplied with filters. Filters should be configured to optimize your system. Filters need to be configured and specified to do the job given the local water conditions, usage, maintenance schedule, and placement restrictions.

In order for our filters to perform as represented and to provide the best quality water possible, it is essential that filters be replaced periodically. The frequency of filter changes depends upon your

water quality and your water usage. For example, if there is a lot of sediment and/or particles in your water, then you will have to change your filters more frequently than a location with little to no sediment. Be sure to replace your filters whenever you notice a decline in the performance, whether it is a drop in flow rate and/or pressure or an unusual taste in the water.

2. Flush thoroughly per filter manufacturers' recommendation with fresh water to drain.
3. Once flushed, install the filters. Following the flow direction on the filter.

NOTE: Filters should not be flushed prior to 24 hours before installation to limit Microbial Growth.

Sanitizing

Sanitize using a Household Bleach (5.25% Sodium Hypochlorite solution) or other approved cleaner throughout the cold water circuit. Follow all instructions on the sanitizer and flush with fresh water through the faucet until odor and taste is acceptable.

⚠ WARNING! USE PROPER PERSONAL PROTECTIVE EQUIPMENT

Always ensure proper ventilation and use proper personal protective equipment such as gloves and eye protection when using chemicals. Refer to Material Safety Data Sheet for specific requirements of each chemical product. Take all necessary precautions to prevent sanitizer from contacting eyes, clothing, and any other surfaces in could damage (carpets).

4. Put sanitizer in the filter housing.
5. Turn off the water supply to the water cooler and release the internal water pressure by depressing the dispense button momentarily and remove the water supply pipe.
6. Isolate the power to the water cooler.
7. Bypass the internal twist filters to avoid mixing sanitizing solution with the active carbon. This is done by disconnecting the tubing to the inlet of the filters and attaching this tube to the inlet of the solenoid valves.
8. Connect the outlet of the sanitizing filter housing to the inlet of the water cooler and connect the supply water pipe to the inlet of the filter housing.
9. Turn on the power and water supply to the water cooler.

Fill the Cold Circuit with Sanitizer

10. Depress the cold water dispense button until the sanitization fluid starts to flow out of the faucet nipple.

11. Allow the sanitization fluid to stand in the water cooler for 10 minutes. *Do not let any sanitization fluid enter the hot tank.*

Flushing the Sanitizer from the Machine

12. Flush the cold water until the water runs clear of sanitizer.
13. Again isolate the water to the water cooler and release any internal water pressure.
14. Isolate the electrical power.
15. If this procedure is being done in conjunction with the annual service, change the filters.

⚠ WARNING! *Use Personal Protective Equipment. Gloves and Eye Protection Required. The first 2 or 3 gallons of water will contain concentrated sanitizer. Use extreme care!*

Fill the Hot Tank

16. Press the Hot Water Select Button, followed by the main dispensing button to fill the hot tank. Water will dispense from the faucet once the hot tank is full. Flush until water is clear.

⚠ WARNING! **HOT CIRCUIT IS NOT SANITIZED.**
Water in the hot circuit is not sanitary until the temperature exceeds 171°F (77°C) for at least 5 minutes.

Heater Test

17. Always ensure tanks are full of water before turning on the heater or the overload (high limit) will open and require manual reset. It will take the heater approximately 10 minutes to heat the water from ambient 75°F (24°C) to the factory set point of 185°F (85°C). Dispense a cup of hot water to ensure the temperature/odor/taste is acceptable.

⚠ WARNING! **VERY HOT WATER CAN BURN OR SCALD.**

Hot water should be dispensed carefully into insulated container to avoid injury.



Waterlogic *infiniti* COUNTER TOP DRAINING INSTRUCTIONS

Draining Notes

Drain the *Waterlogic infinity Water Treatment System* for transportation.

⚠ WARNING! STORE UNIT EMPTY. ALWAYS SANITIZE BEFORE REUSE.

The unit must be completely drained and sealed before storing to avoid stagnation and reduce microbial growth.

Prior to draining the hot tank, turn off the Red Heater and Compressor Power Switch (O=OFF).



Allow Hot Water to cool off prior to draining.

⚠ WARNING! HOT WATER. *The infinity Water Treatment System produces Hot Water up to 188°F. Water above 125° can cause severe burns or scalding. Hot water should be dispensed carefully into insulated container to avoid injury.*

Disable Cold and Hot Tanks

1. Turn off the Red Heater and Compressor Power Switch (O=OFF) to disable the heater and compressor.

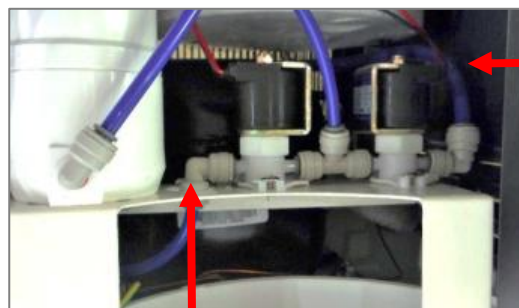


Turn off Water Supply

2. Isolate the *infinity Water Treatment System* from feed water by turning off the supply.

Drain the Cold Water Tank and Circuit

3. Remove the Front Cover.
4. Remove the Faucet, and move the Front Cover to the top of the *infinity Water Treatment System* to gain access to the draining tubes
5. Remove tubing from JG fittings, and allow water to drain into drains, catch basin, etc.
6. Reinstall tubing into JG fittings, Faucet, and Front Cover



Waterlogic *infiniti* DRAINING TOWER INSTRUCTIONS

Draining Notes

Drain the **Waterlogic *infiniti* Water Treatment System**, for transportation.

⚠ WARNING! STORE UNIT EMPTY. ALWAYS SANITIZE BEFORE REUSE.

The unit must be completely drained and sealed before storing to avoid stagnation and reduce microbial growth).

Prior to draining the hot tank, turn off the Red Heater and Compressor Power Switch (O=OFF), and dispense 2 liters of hot water from the machine. As hot water is dispensed from the faucet of the ***infiniti* Water Treatment System**, colder water will be introduced into the hot tank. Since the Red Heater and Compressor Power Switch is turned off, the heater will not energize and heat the incoming tap water. Following this precaution prevents exposing personnel and equipment (drains, catch basin, etc.) to scalding hot water.



Disable Cold and Hot Tanks

1. Turn off the Red Heater and Compressor Power Switch (O-OFF) to disable the heater and compressor.
2. Dispense 2 liters of water through the hot tank to cool the water temperature in the hot tank and avoid burns.



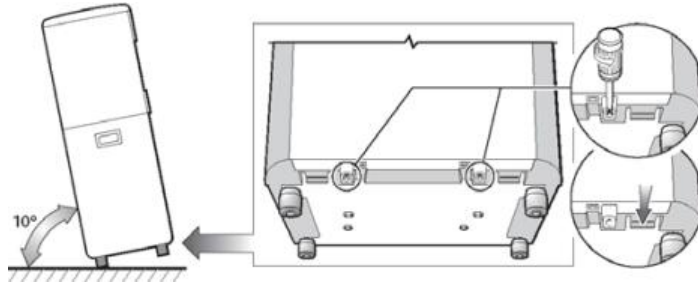
⚠ WARNING! HOT WATER. The ***infiniti* Water Treatment System** produces Hot Water up to 188°F. Water above 125° can cause severe burns or scalding. Hot water should be dispensed carefully into insulated container to avoid injury.

Turn off Water Supply and Bleed Water Pressure

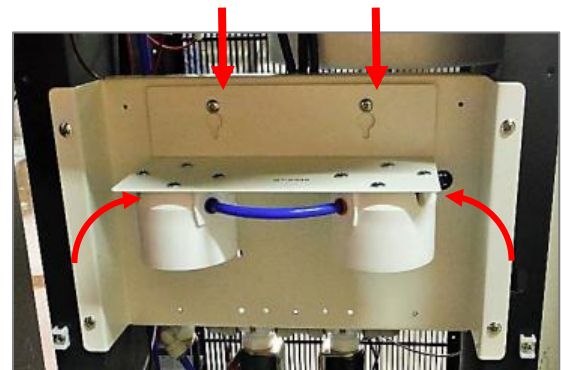
1. Isolate the ***infiniti* Water Treatment System** from feed water by turning off the supply.
2. Dispense cold still water to relieve any pressure built up in the system.

Drain the Cold Water Tank and Circuit

- Remove lower front panel to access tank feed lines.

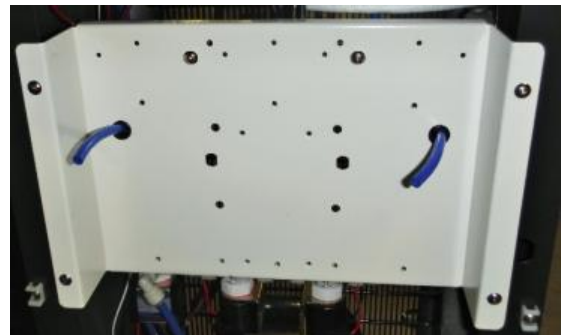


- Loosen the two screws holding the filter head bracket to remove filter head bracket to access rear of filter heads.



- Disconnect tank line feed lines from hot and cold inlet solenoids at rear of filter head fittings).

- Catch hot (hot water should have cooled down after dispensing 2 liters of water prior to the draining process) and cold water drain into basin or catch.



- Reconnect tubing into inlet elbows once drained, and reinstall the filter head bracket.
- Dry inside of unit if necessary.
- Replace lower front panel.

INSTALLATION PROCEDURES

Safety and Installation Guidelines

Ensure all Local, State, and Federal Laws and Codes including health and safety guidelines are met when installing **Waterlogic** Equipment. Only qualified service technicians should attempt installation and service of **Waterlogic** Equipment.

- ⚠ WARNING! ELECTRICAL SHOCK HAZARD.** Always unplug (isolate from power supply) to prevent electrical shock except where electrical tests are specified.
- ⚠ WARNING! IMPROPER SUPPLY OR CONNECTION CAN RESULT IN RISK OF SHOCK.** Connect to a 15 amp 120V 60Hz properly grounded outlet (GFI is recommended). Ensure polarity is correct and always use a 3-prong outlet. Consult a qualified electrician if you have any questions.
- ⚠ WARNING! USE ONLY Waterlogic SUPPLIED POWER CORD.** Locate system within 5 feet of power supply. Never use an extension cord or adapter. Do not use a damaged power cord or plug. Keep power cord out of heavy traffic areas and away from heat sources. Do not, under any circumstances, remove ground prong or alter the power cord. Never pull the power plug from the outlet with a wet hand or allow the plug to get wet. Failure to use the supplied power cord will void UL Certification and Warranty.
- ⚠ CAUTION! INDOOR USE ONLY.** Never expose to direct sunlight, heat sources, or ambient air temperature above 100°F (37°C) or below 35°F (2°C). Install indoors and keep unit away from excessive humidity. Never expose to freezing temperatures. Ensure there is adequate clearance around the unit to allow refrigeration system condenser to dissipate heat. Warmer environments require more clearance around the unit. Minimum clearance around all surfaces of the machine is 2-inches. Installs where the ambient temperature exceeds 80°F, require a minimum of 4-inches clearance for proper heat dissipation and efficient operation.
- ⚠ CAUTION! USE A WATER PRESSURE REGULATOR.** **Waterlogic** will not be responsible for injury or damage caused by excessive water pressure. Operating pressure must be 40 psi to 60 psi. Be aware any of potential pressure surges caused by building/municipal pumping stations.
- ⚠ CAUTION! USE UV STABILIZED SUPPLY LINES.** Feed the unit with a potable ambient or cold water supply only. Feed water over 100° F (37°C) can damage the treatment components. Water block devices and external leak detectors are strongly recommended. Locate the unit as close to the water supply and the electrical connections as possible.
- ⚠ WARNING! STORE AND TRANSPORT UNIT EMPTY. ALWAYS SANITIZE BEFORE USE.** The unit must be completely drained and sealed before storing to avoid stagnation and reduce microbiological contamination (potential bacterial growth). Sanitize before use to eliminate any potential microbiological contaminants

Pre-installation and sanitization procedures as prescribed in this manual must be performed before installing the **infiniti Water Treatment System**,

Always install indoors and place the **Waterlogic infiniti Water Treatment System**, on a firm, flat and stable surface.

1. Attach the water supply line to the 1/4" feed water inlet bulkhead fitting on the back of the unit. **Waterlogic** requires the use of a water pressure regulator. Water feed pressure must be between 40-60 psi. Turn on the water supply and check for leaks.

2. Check to ensure that the Red Heater Power Switch is the *O=OFF* position.

NOTE: Switches have internal LED that illuminates when placed in *I=ON* position.



3. Connect the power cord to the back of the **Waterlogic infiniti Water Treatment System**, and to a 120 Volt supply.

4. Fill the Cold Tank. Hold a container under the dispensing faucet, press and hold the main dispensing button until a continuous flow of water is obtained. Once a continuous flow is obtained, release the dispensing button. Cold tank is now full.

5. Fill the Hot Tank. Hold a container under the dispensing faucet. Press the Hot Select Button followed by the main dispensing button until a continuous flow of water is obtained. Once a continuous flow is obtained, release the main dispensing button. Hot tank is now full.

⚠ CAUTION! NEVER TURN ON HEATER BEFORE FILLING HOT TANK.

Red Heater Power Switch must be in the O=OFF position while the hot tank is empty. Damage could occur within one minute and the overload (high limit) will require manual reset if heater is turned on with an empty hot tank.

6. Move the **Waterlogic infiniti Water Treatment System**, into its final operating position. Be sure that a minimum of 2" clearance is maintained around both the sides and the back of the unit. This is important to allow proper airflow and heat exchange of refrigeration system.

7. Level unit using the adjustable feet to level if necessary. Never install on incline.

8. Turn the Red Heater Power Switch to *I=ON* position.



9. When the unit has reached its Hot Temp Set Point, the heater will cycle off. When the unit has reached its Cold Temp Set Point Temperature, the compressor will cycle off.

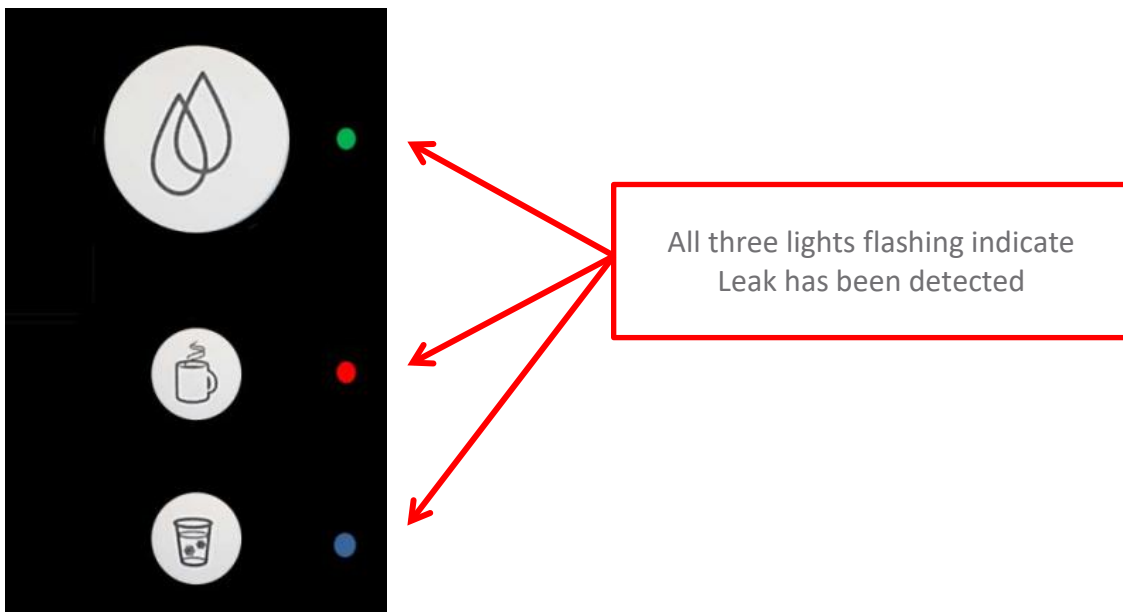
10. Once the unit is at the target temperature(s), sample the water to ensure water meets expectations and additional rinsing or adjustment is not required.

11. Check the unit for any leaks. External Leak Protection is always recommended.

FAULT CODES INDEX

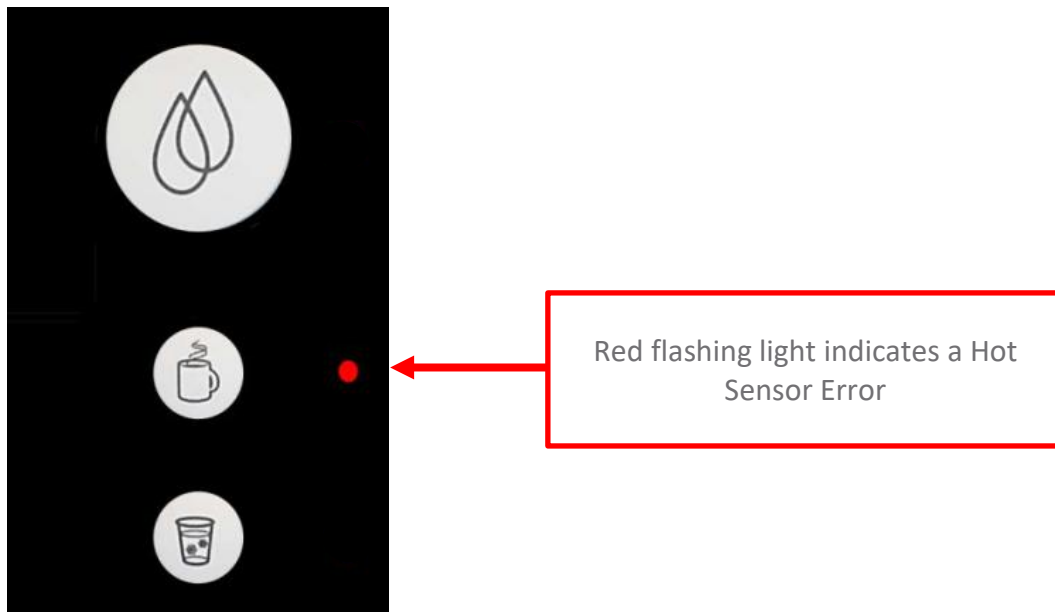
1. Dispense buttons all flash at the same time - Leak Detector Alarm
2. Red Hot Selection button flashes – Hot Sensor Error

1. **FAULT CODE:** Leak Detector Alarm - Dispense buttons all flash at same time.



Possible Reason	Solution
Water exiting drip tray due to being full.	Empty Drip Tray and dry out inside of unit.
Leak in <i>infiniti Water Treatment System</i>	Water is in the bottom of the unit. Open up unit to determine where the leak is. Check for source of leak. Dry out inside of unit.

2. **FAULT CODE:** Red Hot Selection button flashes – Hot Sensor (Thermistor) Error



Indicates an error with the hot sensor (thermistor).

1. Ensure the Hot Sensor (thermistor) is connected to the main PCB.
2. Change the hot sensor and cycle power to reset error.
3. Sensor must be fully inserted into the hot tank well.
4. Ensure that hot tank is full of water by dispensing hot to cup.
5. Both power switches must be ON to enable the heater.

POWER TROUBLESHOOTING INDEX

1. Red Heater and Power Switch won't light, and the Red LED on the Front won't light
2. Red Heater and Power Switch is lit but the red LED on the Front is not lit
3. Compressor Runs but does Not Chill
4. Compressor is Not Running

1. Red Heater and Power Switch won't light and the Red LED on the Front won't light

Possible Reason	Solution
Circuit Breaker	Check the Circuit Breaker
Fuse is Blown	Replace Fuse
Defective / Loose Power Cord	Check that power cord is properly plugged in. If it is properly plugged in, use a different power cord to verify.
Failed Power Line Noise Filter, ElectroMagnetic Interference filter (EMI)	Replace EMI
Defective Red Heater and Power Switch	Replace Red Heater and Power




2. Red Power Switch is lit but the Red LED on the Front is not lit

Possible Reason	Solution
Bad Transformer	Replace Transformer
Black Power Connector to the PCB is not properly connected	Properly connect.
Bad Front PCB	Replace Front PCB P/N EN-0033-L00-00
Defective Red Heater and Power Switch	Replace Red Heater and Power Switch

3. Compressor Runs But Does Not Chill

Possible Reason	Solution
Condenser is dirty	Clean the condensing coil of any obstructions or dust.
Reduction of airflow into unit.	Make sure unit is not under minimum ventilation requirements (2 to 4 inches).
Compressor is running very hot.	Low or lost refrigerant. Refrigerant recharge required.

4. Compressor is Not Running

Possible Reason	Solution
Red Heater and Power Switch on unit is in the Off position	Turn Red Heater and Power Switch on. <i>I = ON</i> 
Compressor Starting Circuit	Turn Red Heater and Compressor Switch off. <i>O = OFF.</i>  Remove the Compressor cap on side of the Compressor; Disconnect the black and red terminal connectors; Inspect the starter and overload relay for any defects. Replace components(s) as needed. Turn Red Heater and Compressor Switch on <i>I = ON</i> and retest Compressor operation. 

DISPENSING TROUBLESHOOTING INDEX

1. Irregular / Intermittent Dispensing
 2. Dispensing won't stop when not holding the Dispensing Button
 3. Steady Drip out of Faucet
 4. Hot Water or Steam coming out of both the Faucet and the Vent Hole
 5. Hot Water coming out of Faucet Vent Hole
 6. Low flow of water
 7. Hot Water Drip out of Faucet
 8. Dispenses Hot and Cold Water at the Same Time
 9. No cold water available
 10. Water does not dispense from unit
 11. Cold Water dispenses from Faucet and Vent Outlet Simultaneously
 12. Small amount of water periodically dispenses from faucet automatically
 13. Dispense Buttons Stick
 14. Run-On - Water continues to dispense out of faucet after releasing the dispense button
- *Also includes related instruction for Hot Tank Descaling.*

1. Irregular / Intermittent Dispensing

Possible Reason	Solution
Too much water pressure. Recommend 40 to 60 psi for the <i>infiniti Water Treatment System</i> to operate properly.	<p>Check water pressure at the inlet bulkhead with a water pressure gauge.</p> <p>Additional method of verification is to turn off water to unit and press the dispense button. Does the Solenoid open without water pressure to the unit? Listen for Solenoid to activate, not to mistaken for the button “click”.</p> <p>Adjust water pressure to 40-60 psi. <i>The correct input water pressure is critical to the performance of the unit to allow Solenoids to open.</i></p>
Loose or bad connection on the Front Dispensing PCB or Solenoid Connector	Check that they are connected properly and tightened.
Solenoid	<p>If both the Water Pressure and PCB have been ruled out, then it is the Solenoid.</p> <p>Replace Solenoid.</p>
Dispensing button is broken on PCB	Check PCB for loose or damaged button. Replace PCB as necessary.

2. Dispensing Won't Stop when Not Holding the Dispensing Button

Possible Reason	Solution
Too much water pressure. Recommend 40 to 60 psi for the <i>infiniti Water Treatment System</i> to operate properly.	<p>Check water pressure at the inlet bulkhead with a water pressure gauge.</p> <p>Additional method of verification is to turn off water to unit and press the dispense button. Does the Solenoid open without water pressure to the unit? Listen for Solenoid to activate, not to mistaken for the button "click".</p> <p>Adjust water pressure to 40-60 psi. <i>The correct input water pressure is critical to the performance of the unit to allow Solenoids to open.</i></p>
Stem of the switch is broken on the PCB - Printed Circuit Board.	<p>Remove Dispensing PC and inspect switches.</p> <p>Replace Dispensing PCB if switches appear broken. <i>Part Number EN-6130 – WLCP PN 20-0040</i></p>
Debris in the Solenoid	Inspect Solenoid for debris and clean out as needed.
Dispensing Button Stuck	Dirt or Foreign material is filling the gap around the push-buttons. Inspect the push buttons and clean surrounding area. Inspect faucet assembly inside the unit and clean as necessary.

3. Steady Drip Out of Faucet

Possible Reason	Solution
Debris in Solenoid	Inspect Solenoid for debris and clean out as needed.

4. Hot Water or Steam Coming out of both the Faucet and Vent Hole

Possible Reason	Solution
Improper tubing attachment from the hot tank to faucet or vice versa.	Check that the tubing is connected from tank outlets to correct faucet attachments. Connect tubing to outlets as needed.

5. Hot Water Coming out of Faucet Vent Hole

Possible Reason	Solution
<p>Too much water pressure. Recommend 40 to 60 psi for the <i>infiniti Water Treatment System</i> to operate properly.</p>	<p>Check water pressure at the inlet bulkhead with a water pressure gauge.</p> <p>Additional method of verification is to turn off water to unit and press the dispense button. Does the Solenoid open without water pressure to the unit? Listen for Solenoid to activate, not to mistaken for the button “click”.</p> <p>Adjust water pressure to 40-60 psi. <i>The correct input water pressure is critical to the performance of the unit to allow Solenoids to open.</i></p>
<p>Improper tubing attachment from the tank to faucet or vice versa.</p>	<p>Verify tubing is connected properly from tank outlets to correct faucet attachments.</p>
<p>Hot Tank outlet hole is scaled over.</p>	<p>Inspect and Descale Tank as needed.</p> <p><u>See Hot Tank Descaling Instructions that are included further below in this Troubleshooting Section.</u></p>
<p>Expansion chamber is not sealed properly.</p>	<p>Replace the Hot Tank.</p>

6. Low Flow of Water – Rated Service Flow is 1.89 Liters (0.5 gallons) per Minute

Possible Reason	Solution
Determine Flow of Water	Rated Flow Rate is 1.89 Liters (0.5 gallons) per minute. Check flow rate by dispensing into a container to measure for one minute and measure the amount of water that was dispensed.
Feed Lines too small	Feed lines can restrict flow if run long distances from the supply. It may be necessary to increase the supply line (e.g., use 3/8" feed line vs. 1/4").
Elbows and turns in the feed line	Minimize elbows and turns in the feed line.
Filters	Filters with high pressure drop due to fouling or just by design. Change filters more frequently or go to higher micron size filter for local water conditions.
Restrictions	Follow flow path to ensure there are no undiscovered restrictions due to debris or malfunctioning valves, including the supply valve at the source.
Booster Pump	Add a booster pump to the supply line if the feed is slower than needed.


7. Hot Water Drip out of Faucet

Possible Reason	Solution
<p>Small Outlet Vent Hole susceptible to scale build up.</p>	<p>Descale Tank.</p> <p><u>See Hot Tank Descaling Instructions that are included further below in this Troubleshooting Section.</u></p>
<p>The diagram illustrates the internal structure of a hot water tank. At the bottom, a red coiled heater element is shown. Above it is a horizontal tank baffle. To the left of the baffle is the outlet vent hole, which has a small restrictor. To the right is the expansion chamber. A hot tank outlet tube with a restrictor at its base extends from the expansion chamber to the faucet. A vent outlet tube is located at the top left. A hot tank inlet tube is at the bottom left. Red arrows point to the outlet vent hole and the outlet restrictor.</p>	<p>All Waterlogic Hot Tanks have a built in Vent or Expansion Chamber in the top of the tank except for WL270 (GF) units.</p> <p>The Vent Chamber allows for expansion of the water when it is heated.</p> <p>The chambers are separated by a welded-in tank baffle.</p> <p>Water always flows into the bottom of the tank and out the top to the faucet.</p> <p>The hot tank outlet tube has a restrictor in its base. This ensures the reservoir is always full by allowing more water in than out.</p> <p>There is a small hole in the side of the tank outlet tube that allows air and water to pass into the vent chamber as it is heated.</p> <p>Water in the vent chamber is suctioned back through the outlet tube vent hole when water is dispensed.</p> <p>Expansion of water as it is heated in the reservoir will push the water out the faucet when the outlet tube vent hole becomes plugged with debris or scale.</p> <p>The small Outlet Vent Hole is susceptible to scale build up and is a key indicator that descaling is required.</p> <p>It is critical to descale the hot tank through the vent line and outlet line on a regular basis to prevent this problem.</p> <p>Descaling through the inlet and/or outlet lines only will not clean the vent chamber and outlet vent hole properly.</p>


8. Dispenses Hot and Cold Water at the Same Time

Possible Reason	Solution
<p>Too much water pressure. Recommend 40 to 60 psi for the <i>infiniti Water Treatment System</i> to operate properly.</p>	<p>Check water pressure at the inlet bulkhead with a water pressure gauge.</p> <p>Additional method of verification is to turn off water to unit and press the dispense button. Does the Solenoid open without water pressure to the unit? Listen for Solenoid to activate, not to mistaken for the button “click”.</p> <p>Adjust water pressure to 40-60 psi. <i>The correct input water pressure is critical to the performance of the unit to allow Solenoids to open.</i></p>
<p>Hot or Cold Solenoid is stuck open.</p>	<p>Remove Top Cover.</p> <p>Check Hot Solenoid: Dispense cold water and visually inspect tubing for water flow from both tanks.</p> <p>Check Cold Solenoid: Disconnect elbow from outlet of cold Solenoid. Select hot water and dispense (quickly releasing dispensing button to avoid much water coming out of cold Solenoid.</p> <p>Replace Solenoid as necessary.</p>

9. No Cold Water Available

Possible Reason	Solution
Too much water pressure. Recommend 40 to 60 psi for the infiniti Water Treatment System to operate properly.	<p>Check water pressure at the inlet bulkhead with a water pressure gauge.</p> <p>Additional method of verification is to turn off water to unit and press the dispense button. Does the Solenoid open without water pressure to the unit? Listen for Solenoid to activate, not to mistaken for the button “click”.</p> <p>Adjust water pressure to 40-60 psi. <i>The correct input water pressure is critical to the performance of the unit to allow Solenoids to open.</i></p>
Closed Water Supply Valve	Open the Water Supply Valve
Cold Water Solenoid Valve malfunction	Inspect the valve components for proper functionality.
Red Heater and Compressor Switch on unit is off.	<p>Turn Red Heater and Compressor Switch on. <i>I = ON</i></p> 
Loose connection(s) on the Display PCB	<p>Turn power off; unplug the unit and visually inspect Solenoid connections into the Display PCB. Verify the soldering points on connections are secure into the board.</p> <p>Remove the PCB to inspect the front of the board.</p>
Exhausted Filter	Replace filters as needed.

10. Water does not dispense from Unit

Possible Reason	Solution
Too much water pressure. Recommend 40 to 60 psi for the infiniti Water Treatment System to operate properly.	<p>Check water pressure at the inlet bulkhead with a water pressure gauge.</p> <p>Additional method of verification is to turn off water to unit and press the dispense button. Does the Solenoid open without water pressure to the unit? Listen for Solenoid to activate, not to mistaken for the button “click”.</p> <p>Adjust water pressure to 40-60 psi. <i>The correct input water pressure is critical to the performance of the unit to allow Solenoids to open.</i></p>
Closed Water Supply Valve	Open the Water Supply Valve.
The unit is not properly plugged into electrical outlet	Check electrical outlet connection, or for blown circuit breaker.
Red Heater and Compressor Switch on unit is in the off position	<p>Turn Red Heater and Compressor switch on. <i>I = ON</i></p> 
15 Amp Fuse Blown	Replace the 15 Amp Fuse as needed.
Hot and Cold Solenoid connections into the Display PCB are loose.	<p>Turn power off; unplug the unit and visually inspect Solenoid connections into the Display PCB. Verify the soldering points on connections are secure into the board.</p> <p>Remove the PCB to inspect the front of the board.</p>
Exhausted Filter	Replace filters as needed.

11. Cold Water Dispenses from Faucet and Vent Outlet Simultaneously

Possible Reason	Solution
Improper tubing attachment from the tank to faucet or vice versa	Verify tubing is connected properly from tank outlets to correct faucet attachments.
Scale has formed inside Cold Tank outlet tube.	Remove Cold Water Outlet Tube from Cold Tank to Faucet. <u>See Hot Tank Descaling Instructions that are included further below in this Troubleshooting Section.</u>
Expansion chamber in Cold Tank is not sealed properly.	Replace Cold Tank.

12. Small Amount of Water Periodically Dispenses from Faucet Automatically

Possible Reason	Solution
Too much water pressure. Recommend 40 to 60 psi for the <i>infiniti Water Treatment System</i> to operate properly.	<p>Check water pressure at the inlet bulkhead with a water pressure gauge.</p> <p>Additional method of verification is to turn off water to unit and press the dispense button. Does the Solenoid open without water pressure to the unit? Listen for Solenoid to activate, not to mistaken for the button “click”.</p> <p>Adjust water pressure to 40-60 psi. <i>The correct input water pressure is critical to the performance of the unit to allow Solenoids to open.</i></p>
Cold or Hot Water Solenoid valve malfunction	Inspect valve components for proper function. Replace as necessary.
Obstruction in Solenoid housing is preventing proper sealing of component.	<p>Pre-determine whether water being dispensed is hot / cold. Isolate the water supply; push the DISPENSE button to release the line pressure, and remove the coil affixed to the Solenoid stem.</p> <p>Remove the stem from the Solenoid housing and allow water from the tank to flush out the contaminant(s).</p>

13. Dispense Buttons Stick

Possible Reason	Solution
Dirt or Foreign material is filling the gap around the push-buttons.	Inspect the push buttons and clean surrounding area. Inspect faucet assembly inside the unit and clean as necessary.

14. Run On – Water continues to dispense out of faucet after releasing the dispense button

Reason																									
<p>“Run On” or “Carry On” is present in all Waterlogic pressure fed units without outlet solenoids.</p> <p>“Run On” is defined is the amount of water that continues to dispense out of the faucet after releasing the dispense button.</p> <p>Run On exists because the tanks pressurize as water is being dispensed. Every Waterlogic tank has an outlet restrictor to ensure the tanks remain full of water and water is controlled as it is released to the faucet. The inlet solenoid controls flow into the tanks. The tanks will “depressurize” once the dispense button is released the inlet solenoid closes. A small amount of water will “Run On” through the faucet as the tank depressurizes to atmospheric conditions.</p> <p>Typical “Run On” is 2-3 seconds.</p> <p>“Run On” can be reduced by installing a pressure limiting device.</p> <p>The amount of inlet or supply pressure directly impacts the amount of “Run On” as quantified below.</p> <table border="1"> <caption>WLCP Lab Testing of Rn On 7-31-2013</caption> <thead> <tr> <th>Pressure</th> <th>Pressure</th> <th>Time</th> <th>Flow Rate</th> <th>Run On</th> </tr> <tr> <th>Static PSI</th> <th>Dynamic PSI</th> <th>4 Liters</th> <th>l/min</th> <th>Seconds</th> </tr> </thead> <tbody> <tr> <td>68</td> <td>40</td> <td>61</td> <td>2.9508197</td> <td>3</td> </tr> <tr> <td>50</td> <td>30</td> <td>72</td> <td>2.5</td> <td>2.5</td> </tr> <tr> <td>32</td> <td>20</td> <td>92</td> <td>1.956217</td> <td>2</td> </tr> </tbody> </table> <p>Pressure measured at inlet line to unit. Static with unit closed. Dynamic with unit dispensing cold water.</p> <p>No filters were installed in unit.</p>	Pressure	Pressure	Time	Flow Rate	Run On	Static PSI	Dynamic PSI	4 Liters	l/min	Seconds	68	40	61	2.9508197	3	50	30	72	2.5	2.5	32	20	92	1.956217	2
Pressure	Pressure	Time	Flow Rate	Run On																					
Static PSI	Dynamic PSI	4 Liters	l/min	Seconds																					
68	40	61	2.9508197	3																					
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32	20	92	1.956217	2																					

HOT TANK DESCALING INSTRUCTIONS

The Hot Tank requires removal of mineral deposits (descaling) on a regular basis. Typically descaling should take place every 6 to 12 months to preserve the long-term health of your unit.

Use non-toxic cleaner such as ScaleKleen, DEZCAL, 20% Citric Acid Solution, or Undiluted Vinegar Solution to remove mineral deposits as directed by the manufacturer depending upon filtration and local water conditions.

Descaling is an important process that removes calcium deposits, or scale, that can build up inside a tank over time. Calcium and scale is non-toxic but left unattended will hinder your unit's performance.

⚠️ WARNING! **PERSONAL PROTECTIVE EQUIPMENT REQUIRED.** Always ensure proper ventilation and use rubber or nitrile gloves and eye protection when using chemicals. Refer to Material Safety Data Sheet for specific requirements of each product.

⚠️ CAUTION! **STAINLESS STEEL TANK DESCALING.**
The hot tank is made from stainless steel. Ensure descaling solution is compatible with stainless and always flush the unit completely. Dispose in an environmentally safe manner.

Materials Needed:

- Personal Protective Equipment. Rubber or Nitrile Safety Gloves and Protective Eyewear
 - Phillips Screwdriver
 - Temperature Gauge
 - Water Pitcher or Container to collect water from the faucet
 - 5-gallon container or drain basin
 - Citric Acid Based Cleaner
 - ¼" Plastic Tubing, at least 4 feet in length, and assorted ¼" quick connect fittings
 - Sanitizing Cartridge
 - Food Coloring
9. Put descaler per directions and 3 drops of food coloring into the descaling cartridge.
 10. Connect descaling cartridge to the inlet water supply and connect to inlet bulkhead fitting on the back of the unit. Turn on Water Supply.
 11. Select Hot Water and depress the Main Dispensing Button on the Front Control Panel until descaling solution (colored water) comes out of the faucet. Container and drain basic will be required to catch water from the faucet.
 12. Turn off water supply and remove sanitizing cartridge from inlet water supply. Reconnect water supply to inlet fitting.

13. Allow descaling solution to remain in the Hot Tank for 15 minutes (length of time may vary depending on water conditions).
14. Place a pitcher, catch basin or other container under the faucet of the ***infiniti Water Treatment System***,
15. Flush the Hot Tank until water runs clear.
16. Once clear Water dispenses from the faucet the Hot Tank has been descaled. Always ensure unit is performing to the customer's satisfaction.

⚠ WARNING! HOT WATER. *The **infiniti Water Treatment System** produces Hot Water up to 188°F. Water above 125° can cause severe burns or scalding. Hot water should be dispensed carefully into insulated container to avoid injury.*


⚠ CAUTION! MUST REPLACE HOT TANK 3-5 YEARS DEPENDING ON USAGE. *The hot tank and its controls must be replaced a minimum of every five years to ensure efficient and dependable operation.*

WARNING! REINSTALL ALL PANELS AND COVERS. *Always reinstall all panels, protective covers, and fasteners after servicing equipment. Failure to do so could result in severe personal injury and will void the certifications and warranty of the equipment.*

COLD WATER TROUBLESHOOTING INDEX

1. Cold Water is not Cold (41° +/- 5° F)

Cold Water is not Cold (41° +/- 5° F)

Possible Reason	Solution
No power or refrigeration elements	<p>Check that the Red Heater and Power switch is on.</p> <p>Turn Red Heater and Power Switch on. <i>I = ON</i></p> 
<p>Tank has run out of cold water.</p> <p><i>Cold tank capacity is 4 liters for Tower and 2 liters for Counter Top.</i></p>	<p>Wait for cold tank to chill water to temperature prior to dispensing more cold water.</p> <p>A greater capacity of Waterlogic Water Systems is available.</p>
Cold Water Thermostat	Check continuity of thermostat with multimeter. Replace thermostat as required.
Refrigerant has run out	Run compressor for at least ten minutes. If condenser is not warm then refill the refrigerant.
Compressor problem	If compressor is not running, repair or replacement is needed.

HOT WATER TROUBLESHOOTING INDEX

Hot Water Problems

1. Hot Water is not Hot 85°C ± -15°C (185° +/- 5°)

Also includes related instructions for Disabling Energy Saving Sleep Mode and Resetting the Hot Tank Overload or High Limit Safety

1. Hot Water is not Hot 85°C ± -15°C (185° ± 5° F)


The Hot Temperature set point is 85°C (185°F) and is controlled by a thermostat on the side of the Hot Tank.

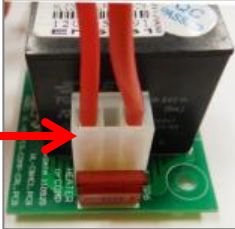
There is a resettable overload or high limit safety above the thermostat on the side of the Hot Tank that will trip to prevent damage to the unit if the tank is dry heated (turned on without water in it).

The *infiniti Water Treatment System* is programmable to make Cold / Ambient water – refer to Disabling Sleep Mode instructions included further below in this Troubleshooting Section.

The *infiniti Water Treatment System* does NOT have Extra Hot capability and the maximum hot temperature is 87°C (189°F).

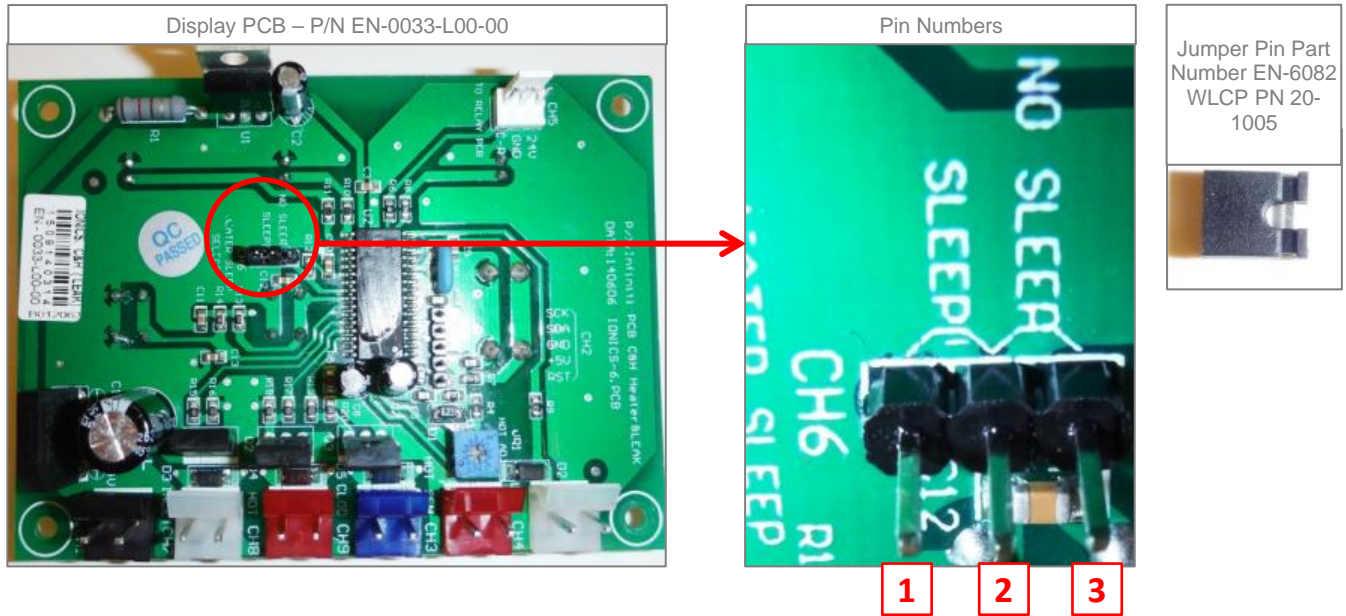
It typically takes 10 minutes for the 500W to heat the 1.6 Liter (0.4 Gallon) of room temperature (ambient) water to the 85°C (185°F) set point.



Possible Reason	Solution
No power to Heater elements	<p>Check that the Red Heater and Compressor switch is on.</p> <p>Turn Red Heater and Compressor Switch on. <i>I = ON</i></p> 
Is unit in sleep mode?	<p>If no hot water has been dispensed for 3 or more hours, unit goes into sleep mode. Dispense hot water, wait 5 minutes, check temperature.</p> <p>If unit still does not heat proceed to “No power to Heater elements” below.</p> <p><u>If unit does heat but you would like to Disable Sleep Mode, refer to the instructions included further below in this Troubleshooting Section</u></p>

<p>Hot Tank Overload Tripped</p> <p><i>Overload is a safety feature to ensure the tank does not overheat.</i></p>	<p>Overload will “click” when pushed. The overload is automatically reset when pressed.</p> <p><u>See Resetting the Hot Tank Overload or High Limit Safety Instructions that are included further below in this Troubleshooting Section</u></p>
<p>Energy Saver PCB Relay Board Connector Bad</p>	<p>Inspect connector for discoloration. If there is no discoloration, contact Waterlogic Technical Department.</p> 
<p>Thermostat or overload “open” on Hot Tank</p>	<p>Turn Power off. Check OHM’s resistance across terminals on each Thermostat and Overload separately.</p> <p>Good components will indicate a closed circuit or zero OHM’s on the meter.</p> <p>Replace components as necessary.</p>
<p>Loose or improperly connected wire(s) to the heating element / Hot Tank.</p>	<p>Visually inspect wire leads going to the Hot Tank; confirm proper connections to the heating elements.</p> <p>Hot Tank life is 3-5 years depending on usage, depending on usage.</p> <p><i>*Typically, dealers swap out the Hot Tank at site, take back to the shop to repair.</i></p>
<p>Heating Coil Not Working</p>	<p>Turn Power off; Drain Hot Tank; Use multi-meter to check Heater element for approximately 26 OHM’s resistance.</p> <p>Hot Tank must be empty if you are checking for continuity.</p> <p>Replace Hot Tank as necessary.</p>
<p>Improper Jumper Settings</p>	<p>The unit has been changed to a cold/ambient setting (JP9 has been moved from Pin 1 and Pin 2).</p> <p>Verify that Jumper Pins are located properly for Hot Water Option.</p> <p><u>See Changing Hot Water Mode to Ambient Water Instructions included further below in this Troubleshooting Section</u></p>







PROGRAMMING “DISABLING ENERGY SAVING SLEEP MODE”

Infiniti Water Treatment System comes programmed to Energy Saver Mode. To turn off the Energy Saving Mode, move the Jumper on CH6 from Pins 1-2 to Pins 2-3



<p><i>Infiniti</i> is programmed in Energy Saving Mode from the factory</p> <p>Jumper Pin Position – Pin 1 and 2</p>	 <div style="display: flex; justify-content: center; gap: 10px;"> <div style="border: 1px solid red; padding: 2px;">1</div> <div style="border: 1px solid red; padding: 2px;">2</div> </div>
<p>Turn off Energy Saving Mode</p> <p>Jump Pin Position – Pin 2 and 3</p>	 <div style="display: flex; justify-content: center; gap: 10px;"> <div style="border: 1px solid red; padding: 2px;">2</div> <div style="border: 1px solid red; padding: 2px;">3</div> </div>

RESETTING THE HOT TANK OVERLOAD OR HIGH LIMIT SAFETY

1.	Red Heater and Power Switch must be in the off position <i>O=OFF</i>	
2.	Unplug the Power Cord from rear of unit.	
3.	Locate the Hot Tank Overload with Manual Reset. <div style="display: flex; justify-content: space-around; align-items: center;">    </div> <p style="text-align: center;">Overload with Manual reset - 221°F (105°C) WLCN PN 12-1360 – Factory P/N HT-3012</p>	
4.	Depress the Red Hot Tank Overload Button	
5.	Plug in the Power Cord.	
6.	Make sure the hot and cold tanks are filled with water BEFORE turning on the Red Heater and Power Switch.	
7.	Turn the Red Heater and Power Switch On <i>I = ON</i>	
8.	Verify the <i>infiniti Water Treatment System</i> is fully operational before installing it at the customers' site.	