

infiniti UV

MANUAL



infiniti
class

Waterlogic
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Grapevine, TX 76051
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Waterlogic *infiniti* UV MANUAL

Congratulations on your choice of the **Waterlogic *infiniti* UV Water Treatment System**. The **Waterlogic *infiniti* UV Water Treatment System**. Every ***infiniti* UV Water Treatment System** includes:



Bio-Cote Anti-Microbial Protection



Advanced In-Tank Ultraviolet (UV) Purification



Filter configuration can be optimized for all water conditions

The **Waterlogic *infiniti* UV 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 **Waterlogic *infiniti* UV 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 and exposure to UV radiation.*

⚠ 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! UV-C EMITTER (UV LAMP). *This appliance contains a UV-C emitter (UV Lamp). UV-C radiation may, even in little doses, cause harm to the eyes and skin. Unintended use or damage to the housing may result in the escape of dangerous UV-C radiation. Never operate the UV-C emitter if damaged or removed from enclosure. Do not touch or look directly into the faucet.*

- ⚠ 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 UV FEATURES AND BENEFITS

Cold and Hot Water

Waterlogic infiniti UV Water Treatment System Counter Top and Tower Models come standard with Cold and Hot Selections to meet a wide range of customer demands. Hot water can be disabled to convert to Cold and Ambient Configuration. Cold Water temperature is adjustable.

High Volume Storage and Water Capacity

Tower Model has 4 Liters (1 gallon) of Cold Water Capacity and 1.6 Liters (.43 gallons) of Hot Water. Counter Top has 2 Liters (½ gallon) Cold Water Capacity and 1.6 Liters (.43 gallons) of Hot Water.

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.



Large Dispense Area with Recessed Faucet

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

Energy Saving Sleep Mode

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

Leak Detection

The **Waterlogic infiniti UV Water Treatment System** unit is supplied with a Sensor in the Leak Tray that halts water supply to prevent overflow.

In-Tank UV Purification

Industry leading In-Tank UV Purification prevents the growth of bio-film within the Stainless Steel Cold Tank.

Child Safeguard

Cold water is the default for your Waterlogic infiniti UV Water Treatment System. Hot water must be actively selected along with the dispense button and then dispensed within 1.5 seconds. 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.

Waterlogic *infiniti* UV 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 UV Certifications Include](#)



UL399 – Certified Drinking Water Cooler

Intertek Labs (ETL) Certified the *Waterlogic infiniti UV 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 *Waterlogic infiniti UV 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 UV</i> Cold and Hot Charcoal and Silver Tower	Waterlogic <i>infiniti UV</i> - Cold and Hot – Charcoal and Silver Tower	IIMHCRC-UV
	F-5001-FS-HC-UT-CS-ION Serial Number Prefix: 85 or QB2H221CS	
<i>infiniti UV</i> Cold and Hot Charcoal and Silver Countertop	Waterlogic <i>infiniti UV</i> - Cold and Hot – Charcoal and Silver Countertop	IIHCRC-UV
	F-5001-M-HC-UT-CS-ION Serial Number Prefix: 86 or QB1H221CS	

SPECIFICATIONS

<u>ITEM</u>	<u><i>infiniti UV Counter Top</i></u>	<u><i>infiniti UV Tower</i></u>
Water Connection	¼" Quick Connect	
Cold Water Temperature	Cold Water Temperature – Factory Set Point 5°C (41°F) Adjustable Parameters 1.1°C to 12.2°C (34°F to 54°F)	
Hot Water Temperature	Factory Set Point 85°C (185°F)	
Hot Water Manual Reset Overload	105°C (221°F)	
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	1.89 Liters per minute (0.5 gallons per minute)	
Environmental Temperature	2°C to 37°C (35°F to 100°F)	
UV Lamp	4W	8W
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

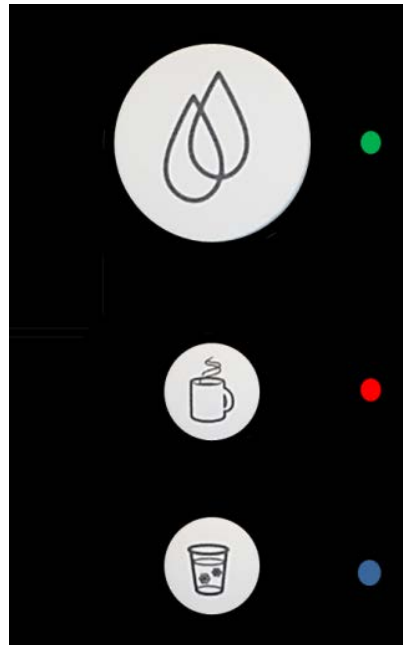
ITEM	<i>infiniti UV Counter Top</i>	<i>infiniti UV Tower</i>
Width/Depth/Height	13.75" x 15.25" x 19" [#] (35cm x 38.75cm x 48.3cm)	13.5" x 14.5" x 40.5" (34cm x 41cm x 103cm)
Weight (dry)	19.5 kg (42 pounds)	26.5 kg (58 pounds)

ELECTRICAL SPECIFICATIONS






ELECTRICAL SUPPLY	120V/60Hz, 1PH	15 Amp Service
COMPONENT	POWER (approximate)	AMP DRAW (approximate)
Heater	500	4.2 Amps
Compressor	216	1.8 Amps
UV Lamp System	18	.15 Amps
<i>infiniti UV TOTAL</i>	734	6.15 Amps

#*infiniti UV 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 UV Water Treatment System*.

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 87.2°C (189°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. 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 UV 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.

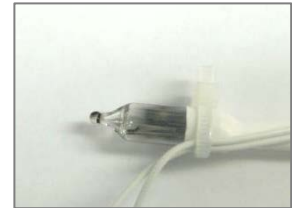
1. Visually inspect all electrical and water connections for signs of wear or damage.

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

2. **Waterlogic** recommends changing the UV Lamp every 12 months.

NOTE: When replacing the UV Lamp Assembly*, the UV Lamp wiring harness must also be replaced.

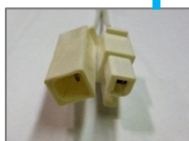
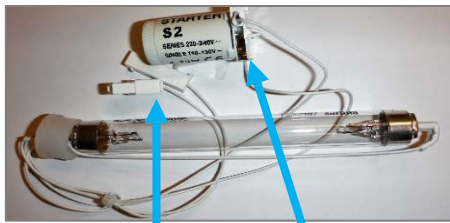
NOTE: The Glow Starter shown to the right may appear blackened which is normal.



* If the infiniti UV Water Treatment System has an S2 Starter, it is fully interchangeable with the UV Lamp with Glow Starter.

Switching from S2 Starter to existing Glow-Starter UV Lamp Assembly Instructions

UV Lamp Assembly with S2 Starter:
Not available as a repair part

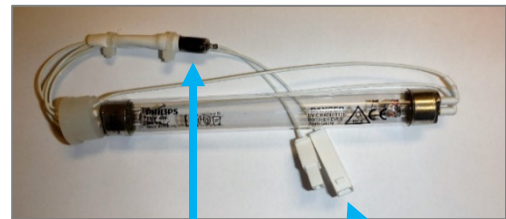


UV Lamp Connectors



S2 Starter

UV Lamp Assembly with Glow Starter Part #'s:
8-Watt Bulb 10-2350 (CT-2083)



Glow Starter



UV Lamp Connectors

- A. Disconnect Lamp Male and Female Connection Clips from Ballast.
- B. Remove the S2 Starter by pulling upwards.
- C. Remove UV Lamp.

- D. Install Glow Starter UV Lamp.
- E. Connect UV Lamp Male and Female Connection Clips to Ballast.

⚠ WARNING! ULTRAVIOLET RADIATION. *Protect your skin and eyes against ultraviolet rays. Never look directly at an operating UV light. Disconnect before removing UV Lamp.*

⚠ CAUTION! UV LAMPS ARE HAZARDOUS. *Lamps are considered Hazardous Waste and must be disposed of accordingly. Refer to Product MSDS sheet for details.*

3. Clean the quartz sleeve that surrounds the UV lamp with a non-abrasive cloth, descaling solution, or ultrasonic bath if needed when changing UV lamps.

⚠ CAUTION! UV SYSTEM IS FRAGILE. *Never handle the UV lamp or Quartz Sleeve with bare hands. UV Lamp and quartz sleeve must be free of oils and contaminants to ensure proper operation. Use a soft non-abrasive cloth to clean.*

4. Inspect the Quartz Sleeve O-ring for wear or damage and replace as necessary.
5. 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.
6. Sanitize the Cold Tank per instructions in the pre-installation procedures.
7. 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.
8. 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

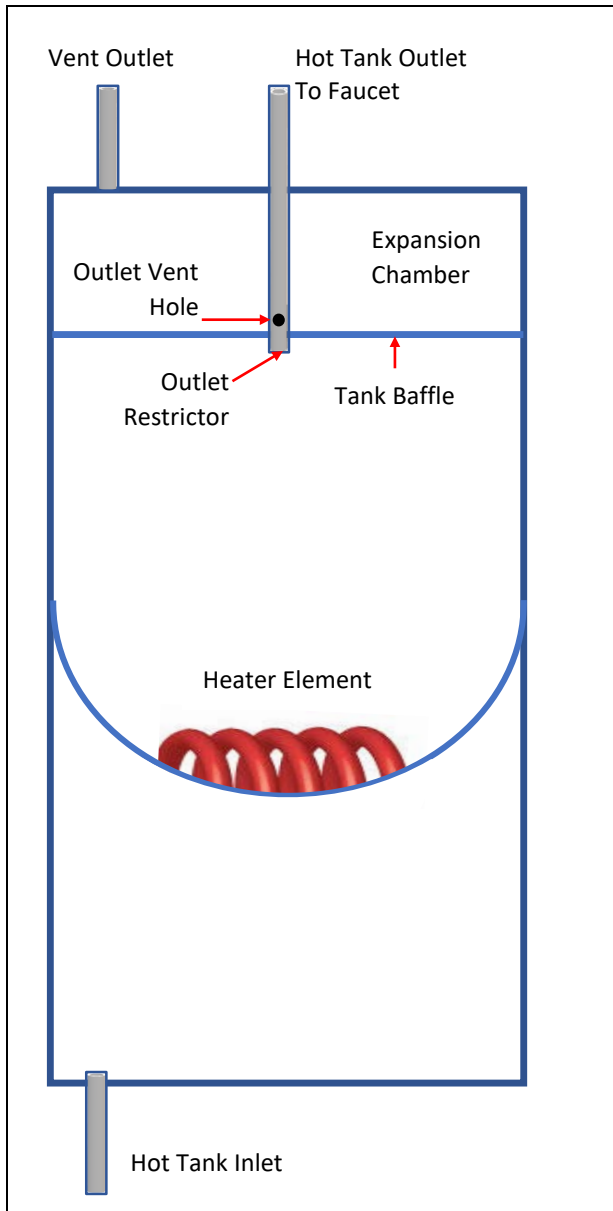
Repair/Replacement Parts for are not interchangeable with older/other compressors.

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



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: center; align-items: center;">    </div> <p style="text-align: center;">Overload with Manual reset - 221°F (105°C) WLCF 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 UV 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
 - 19 Liter (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 ***infiniti UV Water Treatment System***. 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 UV 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 HAZARD. *Unit Produces Hot Water and Steam. Always use insulated and chemically compatible containers and let unit cool down before draining the hot tank to avoid injury.*

⚠ CAUTION! MUST REPLACE HOT TANK 3-5 YEARS. *The hot tank and its controls must be replaced a minimum of every three to 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 5°C (41°F) and can be adjusted to 1.1°C to 12.2°C (34°F to 54°F).

The cold set point can be adjusted by accessing the Cold Thermostat Adjustment Screw under the Decal at the rear of the **Waterlogic infiniti UV Water Treatment System**.



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

The factory set point is ~5°C (~41°F) and is indicated by the dot on sheet metal.



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

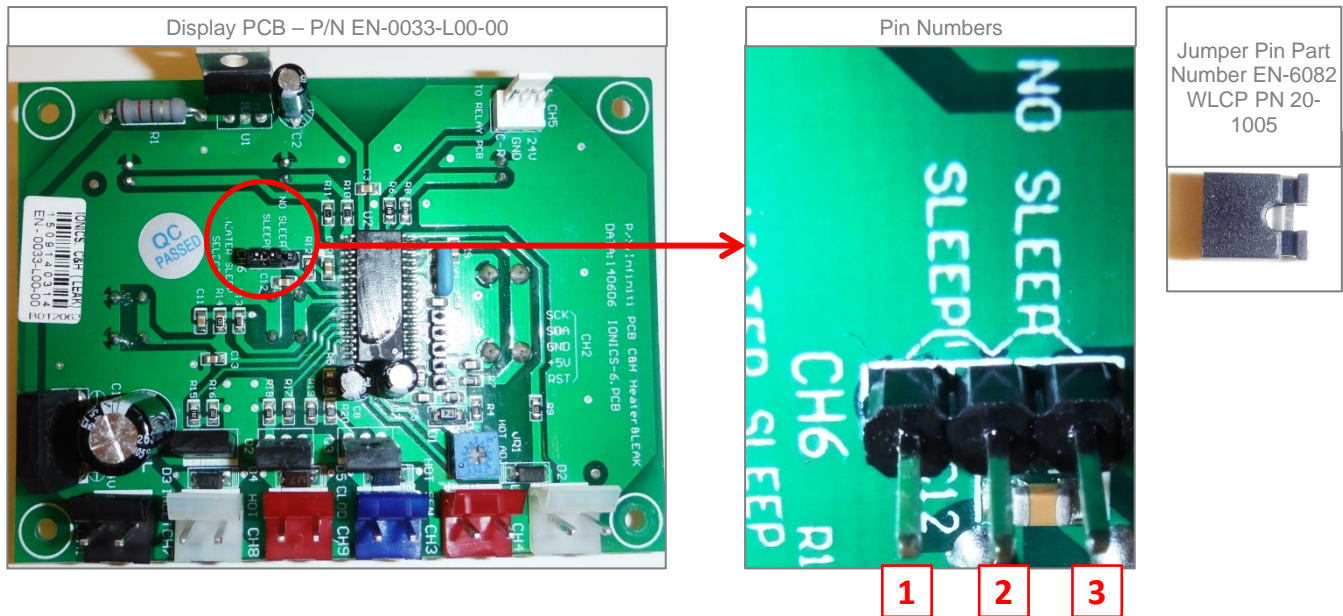
Do not adjust past the “Max Cold” position at 3:00 position to avoid freezing the cold tank.



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

PROGRAMMING “DISABLING ENERGY SAVING SLEEP MODE”

Infiniti UV 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 (.42 Gallon) Capacity	10-4029	Every 3-5 years Depending on Usage Factory PN HT-3024
Quartz Sleeve for 4 Watt Lamp Counter Top Only	14-1041	Every 12 Months Factory PN CT-2026
UV Lamp Assembly 8 Watt	12-2350	Every 12 Months Factory PN CT-2083
GAC Filter - 10" Carbon Activated Inline Filter – <i>*Filter Element PN FT-0038-WLT</i>	FT-0035	Every 6-months or as required. Local water conditions will determine proper filter type and maintenance schedule. FT-0035-IL-WLT
Carbon Block - 10" CBC 1 Micron Lead and Cyst Reduction Inline Filter – <i>*Filter Element PN FT-0064-WLT</i>	FT-0063	Every 6-months or as required. Local water conditions will determine proper filter type and maintenance schedule. FT-0063-IL-WLT
Sediment Filter – 20 Micron <i>*Filter Element PN FT-0055-WLT</i>	FT-0053	Every 6-months or as required. Local water conditions will determine proper filter type and maintenance schedule. 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

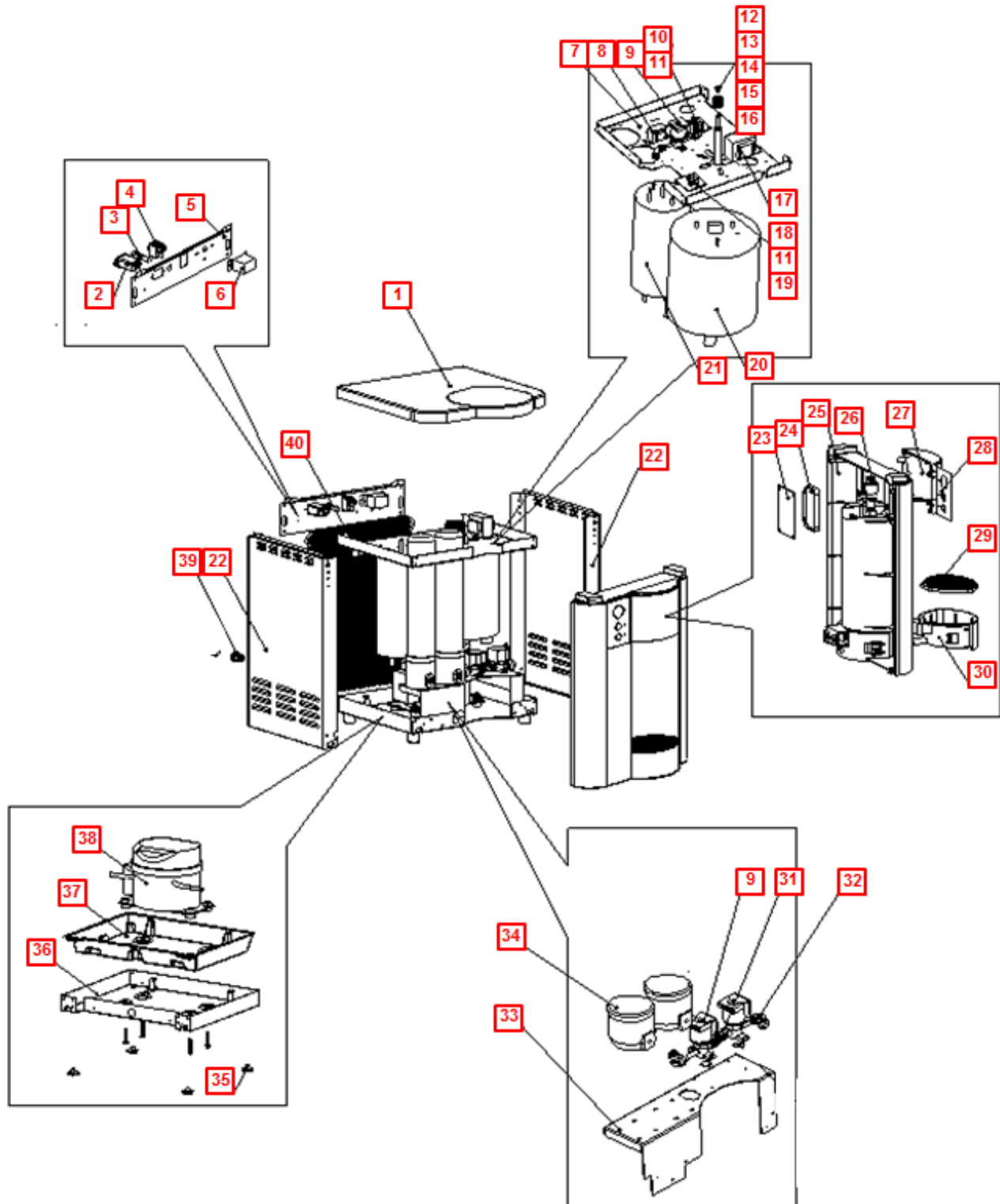
Clean on a regular basis with damp lint free cloth. Never use harsh chemicals (alcohol or acid based) or abrasive agents on any part of the product to avoid damage. A mild cleaner such as Simple Green or equivalent is recommended.

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.

Waterlogic infiniti UV COUNTER TOP PARTS DRAWING AND PARTS LIST








No	WLCP PN	Description	PN	
Not Shown	FT-0063	Carbon Block - 10" CBC 1-Micron Lead and Cyst Reduction Inline Filter Optional Filter Element PN FT-0038-WLT	FT-0063-IL-WLT	
Not Shown	FT-0035	GAC Filter - 10" Carbon Activated Inline Filter - Optional Filter Element PN FT-0038-WLT	FT-0035-IL-WLT	
1	NA	Top Cover – Charcoal	PL-0107-L00-CS	
1.1	ST-0049-L00-00	High Voltage Metal Cover (ETL-Certification) Counter Top Only	ST-0049-L00-00	
2	10-4013	Socket with ElectroMagnetic Interference Filter (EMI)	EL-5016	
3	10-3014	Fuse Holder and Fuse 120V / 15A with One Wire	EL-5053	
3.1	10-3013	Fuse 120V / 15A	EL-5010	
4	10-3008	Red Compressor and Heater Switch	EL-5004	
5	NA	Back Panel – Charcoal Counter Top Only	ST-8238	
6	12-1101	Cold Tank Thermostat	CT-2016	
7	NA	Upper Shelf Counter Top Only	ST-8234	
8	10-3010	UV Lamp Ballast 110V/60Hz	EL-5006-A CN	

9	12-1500	Solenoid Valve DC24V 1000mm	PU-4016	
9.1	CU-0001	Solenoid Cushion	CU-0001	
10	NA	Relay PCB	EN-0010-L00-00	
11	10-3017	Plastic PCB Support	EN-6059	
12	10-8085	UV Lamp Fixing Rubber (Silicon) (Supplied with CT-2060 UV Lamp 4W)	CT-2001-B	
13	12-1210	UV Lamp Retaining Threaded Nut	PL-1128	
14	10-2500	Black O-Ring for Quartz Sleeve	CT-2006	
15	CT-2084	UV Lamp 4W Assembly with Glow Starter Counter Top Only	12-2350	
16	14-1051	Quartz Sleeve for 4W Lamp Counter Top Only	CT-2026	
17	12-3117	Power Transformer 120V	EL-5003-A	
18	12-8510	3 Minute Timer PCB	AK-0008-A	
19	NA	Plasti0c PCB Supports (One side)	EN-6059-A	

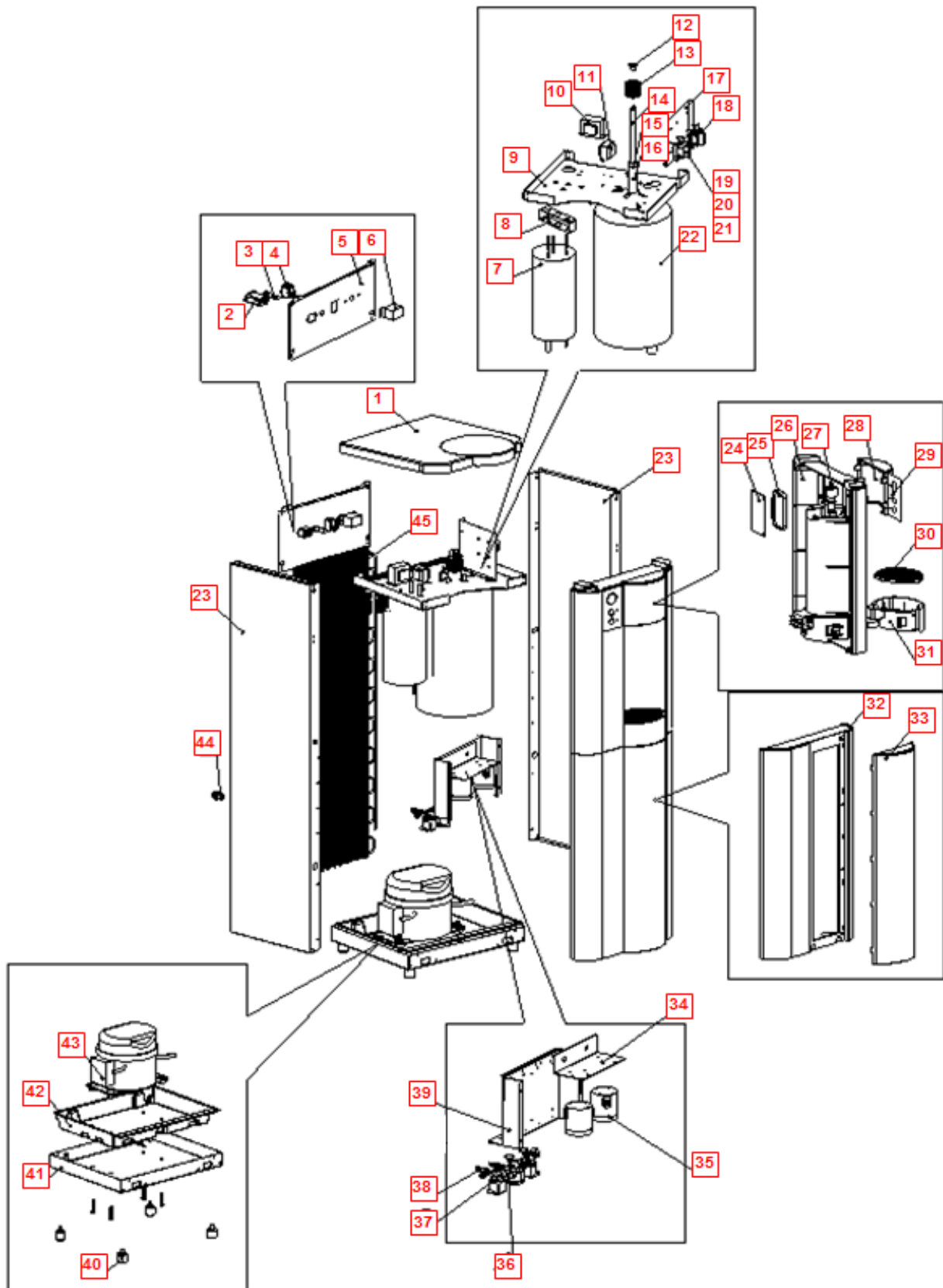
20	12-3110	2L UV Cold Tank Counter Top Only	CT-2060	
20.1	LP-0326	Cold Thermostat Cover Label	LP-0326-L00-00	
21	10-4029	Hot Tank 120V/500W - 1.6L with Thermistor	HT-3024	
21.1	12-1360	Overload with Manual reset - 221°F (105°C)	HT-3012	
22	NA	Side Panel – Charcoal Counter Top Only	ST-8236	
23	NA	Display PCB	EN-0033-L00-00	
23.1	20-1005	Jumper Pin	EN-6082	
24	NA	Dispensing Silicon Buttons	PL-0109-L00-00	
25	11-2085	Drip Tray Insert Panel Charcoal	PL-1157	
26	10-2700	Faucet Assembly - Hot and Cold	PL-1011	
26.1	10-2600	Natural Faucet O-Ring – Silicon White	CT-2007	

26.2	10-3048	Faucet Nipple – Blue with Screen	PL-1013	
27	NA	Top Insert Hatch Panel - Silver	PL-0127-L00-00-INF	
28	NA	Display Button Label	LP-7087	
29	NA	Drip Tray Grill - Silver	PL-1163-L00-SI	
30	NA	Drip Tray - Silver - No Logo	PL-1162-L00-SI	
31	Purchase from John Guest	JG Equal Tee Connector 1/4" (PI0208S)	PU-4011-A	
32	Purchase from John Guest	JG Equal Elbow Connector 1/4" (PI0308S)	PU-4008-A	
33	NA	Filter Bracket Counter Top Only	ST-8239	
34	NA	Omnipure Non-Valved Head (Q NON VALVED HEAD JJ)	PU-4075	
35	12-3150	Unit Rubber Feet Counter Top Only	PL-1251-CN	
36	NA	Lower Shelf Counter Top Only	ST-8235	
37	NA	Leak Tray Counter Top Only	PL-0116-L00-00	

37.1	12-3180	Leak Containment Tray Clip (sensor 0.5mm)	ST-8207-CN	
37.2	NA	Leak Sensor Wire	EL-5076-KR	
<p>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.</p>				
<p>CO-0020-L00-00 Compressor</p>				
38A.1	CO-0020-L00-00	LG Compressor 120V R134A CSB035LJCM	CO-0020-L00-00	
38.2	CO-0019-L00-00	Compressor Capacitor	CO-0019-L00-00	
38A.3	ST-0216-L00-00	Capacitor Bracket	ST-0216-L00-00	
38A.4	CO-0017-L00-00	PTC Relay	CO-0017-L00-00	
38A.5	CO-0018-L00-00	Overload Protector	CO-0018-L00-00	
<p>CO-9001-A / 10-2200 Compressor</p>				
38B.1	10-2200	Compressor (R134a 1/8HP) 120V/60Hz	CO-9001-A	
38B.2	10-3003	Compressor Starter Relay	CO-9016	
38B.3	10-5018	Compressor Overload	CO-9015	
38.1	12-1001	Filter Dryer	CO-9008	
39	10-3067	Bulkhead Union ¼" x ¼" John Guest P/N PI1208S	PU-4028-A	
40	12-3100	Wire Condenser Counter Top Only	CO-9031	

Not Shown	10-3007	Power Cord 120V – 1840 mm	EL-5001-B	
Not Shown	Purchase from John Guest	JG Reducing Elbow Connector 5/16" * 1/4" (PI211008S)	PU-4007-A	
Not Shown	10-3062	JG LLDPE Tube - Blue 8mm John Guest P/N PE-0806-100M-B	PU-4014-A	
Not Shown	Purchase from John Guest	JG LLD PE Tube - Blue O.D.1/4" John Guest P/N PE-08-BI-1000F-B	PU-4031-A	
Not Shown	10-7040	Silicon Tube 5/16" for hot water	PU-4064	

Waterlogic infiniti UV TOWER DRAWING AND PARTS LIST



No	Part No	Description	WLCP PN	
Not Shown	FT-0035	GAC Filter - 10" Carbon Activated Inline Filter - Optional <i>Filter Element PN FT-0038-WLT</i>	FT-0035-IL-WLT	
Not Shown	FT-0063	Carbon Block - 10" CBC 1-Micron Lead and Cyst Reduction Inline Filter Optional <i>Filter Element PN FT-0038-WLT</i>	FT-0063-IL-WLT	
Not Shown	FT-0053	Sediment Filter - 10" Sediment 20 Micron Inline Filter Optional <i>Filter Element PN FT-0055-WLT</i>	FT-0053-IL-WLT	
1	NA	Top Cover - Charcoal	PL-0107-L00-CS	
2	10-4013	Socket with ElectroMagnetic Interference Filter (EMI)	EL-5016	
3	10-3014	Fuse Holder and Fuse 120V / 15A with One Wire	EL-5053	
3.1	10-3013	Fuse 120V / 15A	EL-5010	
4	10-3008	Red Compressor and Heater Switch	EL-5004	
5	NA	Back Panel - Charcoal	ST-8154	
6	12-1101	Cold Tank Thermostat	CT-2016	
6.1	LP-0326	Cold Thermostat Cover Label	LP-0326-L00-00	
7	10-4029	Hot Tank 1.6L 120V/500W with Thermistor	HT-3024	

7.1	12-1360	Overload with Manual reset - 105°C / 221°F	HT-3012	
8	12-8006	Hot Tank Fixing Bracket 400mm	ST-8120	
9	12-8003	Upper Shelf	ST-8136-R2	
10	12-3117	Power Transformer 120V	EL-5003-A	
11	10-3010	UV Lamp Ballast 110V/60Hz	EL-5006-A CN	
12	10-8085	UV Lamp Fixing Rubber (Silicon)	CT-2001-B	
13	12-1210	UV Lamp Retaining Threaded Nut	PL-1128	
14	10-2350	UV Lamp 8W Assembly with Glow Starter	CT-2083	
15	10-2500	Black O-Ring for Quartz Sleeve	CT-2006	
16	10-1400	Quartz Sleeve for 8W Lamp	CT-2002	
17	NA	Relay PCB	EN-0010-L00-00	
18	12-5245	Main PCB Fixing Bracket	ST-8165-CN	
19	12-8510	3 Minutes Timer PCB.	AK-0008-A	



20	NA	Plastic PCB Supports (One side)	EN-6059-A	
21	10-3017	Plastic PCB Support	EN-6059	
22	NA	4L Cold Tank	CT-2050	
23	11-2020	Side Panel – Charcoal	ST-8153	
24	NA	Display PCB	EN-0033-L00-00	
24.1	20-1005	Jumper Pin	EN-6082	
25	NA	Dispensing Silicon Buttons	PL-0109-L00-00	
26	11-2085	Drip Tray Insert Panel Charcoal	PL-1157	
27	10-2700	Faucet Assembly	PL-1011	
27.1	10-2600	Natural Faucet O-Ring – Silicon White	CT-2007	
27.2	10-3048	Faucet Nipple – Blue with Screen	PL-1013	

28	NA	Top Insert Hatch Panel - Silver	PL-0127-L00-00-INF	
29	NA	Display Button Label	LP-7087	
30	NA	Drip Tray Grill - Silver	PL-1163-L00-SI	
31	NA	Drip Tray - Silver - No Logo	PL-1162-L00-SI	
32	11-2015	Bottom Front Panel	PL-1159	
33	11-2030	Front Bottom Insert Panel Silver	PL-1160	
34	NA	Filter Mounting Bracket	ST-8248	
35	NA	Omnipure Non-Valved Head (Q NON VALVED HEAD JJ)	PU-4075	
36	Purchase from John Guest	JG Equal Elbow Connector 1/4" (PI0308S)	PU-4008-A	
37	12-1500	Solenoid Valve DC24V 1000mm	PU-4016	
37.1	CU-0001	Solenoid Cushion	CU-0001	

38	Purchase from John Guest	JG Equal Tee Connector 1/4" (PI0208S)	PU-4011-A	
39	12-8005	Filter Bracket	ST-8138	
39.1	NA	Rubber O-Ring for Filter Bracket	PL-1208CN	
40	10-3083	Unit Rubber Feet	ST-8167-CN	
41	12-8004	Bottom Tray	ST-8137	
42	NA	Freestanding Leak Tray	PL-1294-A	
42.1	NA	Leak Detector Sensor Wire	EL-5074-A	
42.2	12-3180	Leak Containment Tray Clip (sensor 0.5mm)	ST-8207-CN	

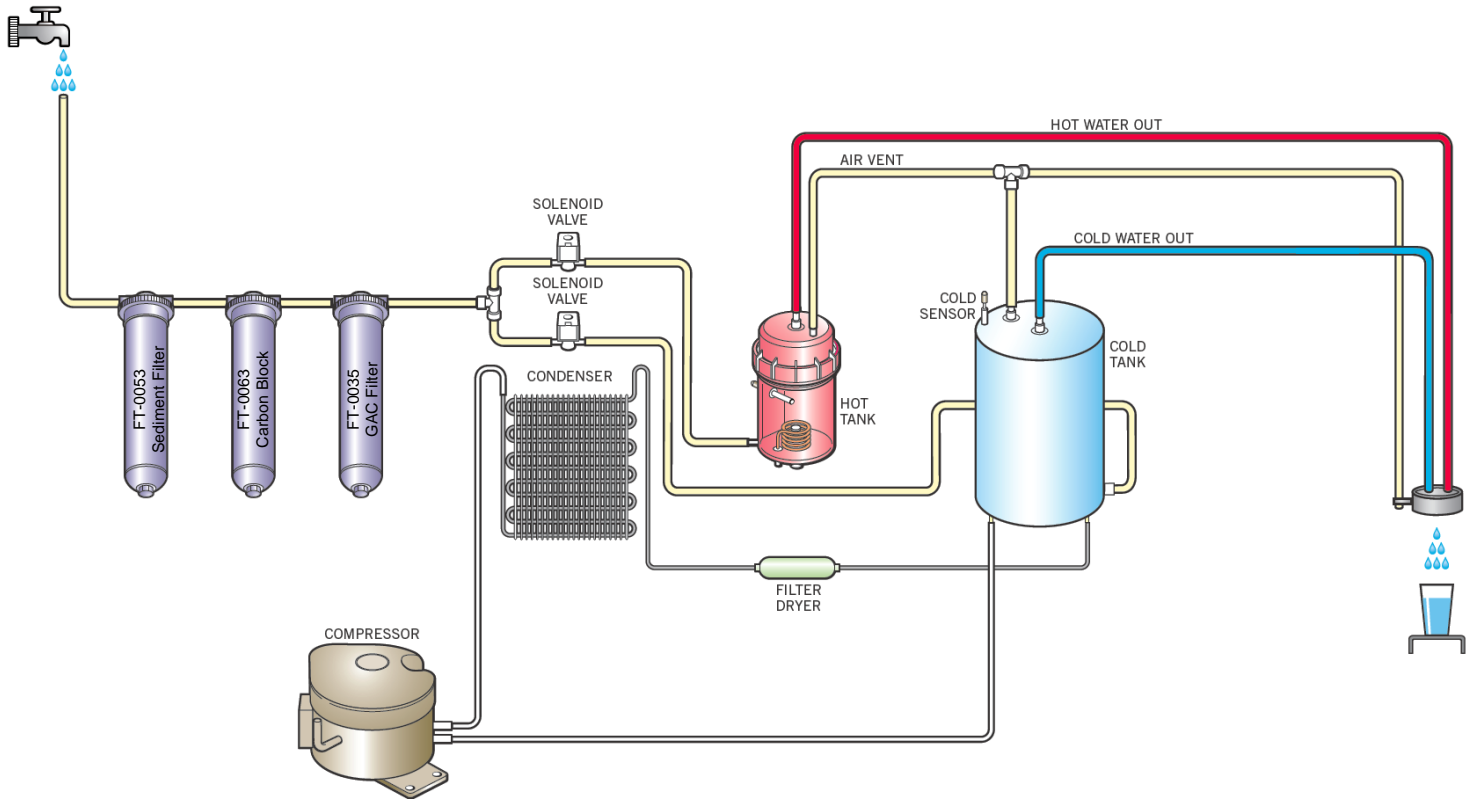
Verify compressor in machine before ordering parts as the Compressor P/N CO-0020-L00-00 and 10-2200 (CO-0001A) and related parts are not interchangeable.

CO-0020-L00-00 Compressor

43A.1	CO-0020-L00-00	LG Compressor 120V R134A CSB035LJCM	CO-0020-L00-00	
43A.2	CO-0019-L00-00	Compressor Capacitor	CO-0019-L00-00	
43A.3	ST-0216-L00-00	Capacitor Bracket	ST-0216-L00-00	
43A.4	CO-0017-L00-00	PTC Relay	CO-0017-L00-00	
43A.5	CO-0018-L00-00	Overload Protector	CO-0018-L00-00	

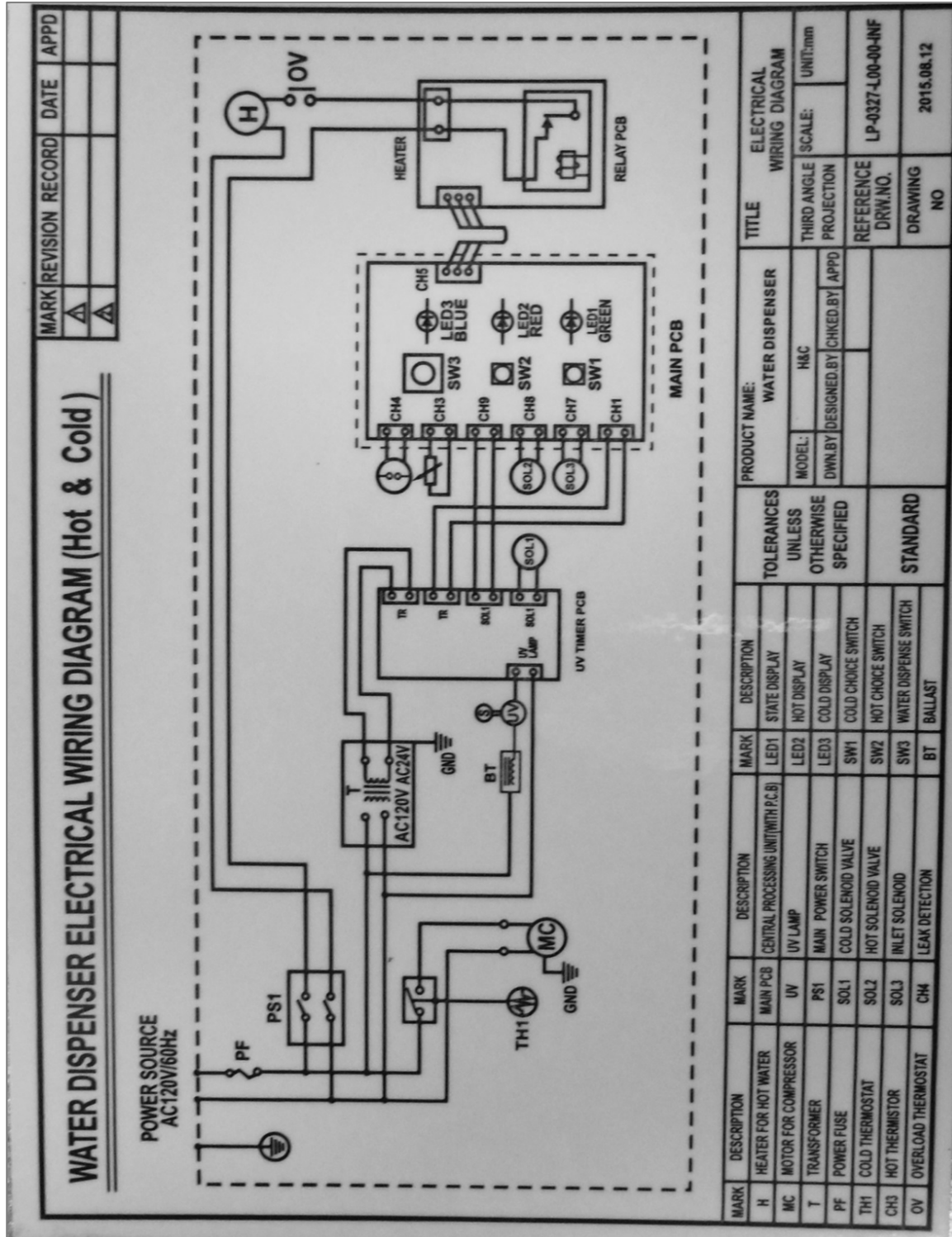
CO-9001-A / 10-2200 Compressor				
43B.1	10-2200	Compressor (R134a 1/8HP) 120V/60Hz	CO-9001-A	
43B.2	10-3003	Compressor Starter Relay	CO-9016	
43B.3	10-5018	Compressor Overload	CO-9015	
43.1	12-1001	Filter Dryer	CO-9008	
44	10-3067	Bulkhead Union 1/4" x 1/4" John Guest P/N PI1208S	PU-4028-A	
45	12-8102	Wire Condenser	CO-9027	
Not Shown	Purchase from John Guest	JG Reducing Elbow Connector 5/16" * 1/4" (PI211008S)	PU-4007-A	
Not Shown	10-3062	JG LLDPE Tube - Blue 8mm John Guest P/N PE-0806-100M-B	PU-4014-A	
Not Shown	Purchase from John Guest	JG LLD PE Tube - Blue O.D.1/4" John Guest P/N PE-08-BI-1000F-B	PU-4031-A	
Not Shown	10-7040	Silicon Tube 5/16" for Hot Water	PU-4064	
Not Shown	11-2005	Power Cord 120V – 1825 mm	EL-5001-A	

Waterlogic *Infiniti* UV WATER FLOW DIAGRAM



infiniti UV 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 contaminates.

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
- 19 Liter (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 UV Water Treatment System** and check exterior for damage.

Flush Filters

⚠ CAUTION! FILTER FLUSH REQUIRED.

Infiniti UV 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 8 or 12 Liters (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 77°C (171°F) 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 24°C (75°F) to the factory set point of 85°C (185°F). Dispense a cup of hot water to ensure the temperature/odor/taste is acceptable.

 **WARNING!** ***HOT WATER CAN BURN OR SCALD.*** *Unit produces Hot water up to 87.2°C (189°F). Water above 52°C (125°F) can cause severe burns or scalding. Hot water should be dispensed carefully into insulated container to avoid injury.*

Waterlogic *infiniti* UV DRAINING INSTRUCTIONS

Draining Notes

Drain the *infiniti UV 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 Power Switch (O=OFF), and dispense 2 Liters (½ Gallon) of hot water from the *infiniti UV Water Treatment System*. As hot water is dispensed from the faucet of the unit, colder water will be introduced into the Hot Tank. Since the Red Heater 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 Power Switch (O=OFF) to disable the heater and compressor.
2. Dispense 2 Liters (½ Gallon) of water through the Hot Tank to cool the water temperature in the Hot Tank and avoid burns.



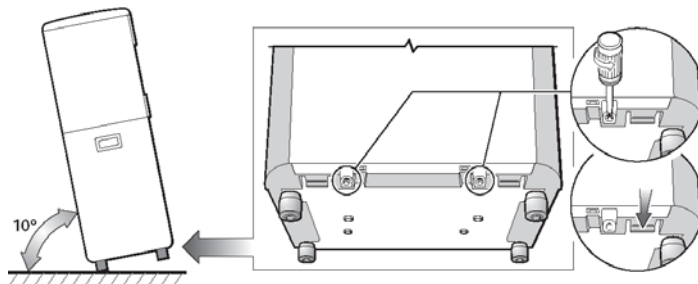
- ⚠ WARNING! HOT WATER CAN BURN OR SCALD. Unit produces Hot Water up to 87.2°C (189°F). Water above 52°C (125°F) can cause severe burns or scalding. Hot water should be dispensed carefully into insulated container to avoid injury.**

Turn off Water Supply and Bleed Water Pressure

3. Isolate the unit from feed water by turning off the supply.
4. Dispense cold still water to relieve any pressure built up in the system.
5. Remove the water supply line from the inlet line bulkhead fitting at back of machine.
6. Install dust cap or plug into water supply line bulkhead fitting.

Drain the Cold Water Tank and Circuit

7. Remove lower front panel to access tank feed lines.



8. Disconnect tank line feed lines from Hot and Cold Inlet solenoids to drain into basin or catch.
9. Reconnect tubing into inlet elbows once drained.
10. Dry inside of unit if necessary.
11. 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 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. 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 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.
- ⚠ 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 UV Water Treatment System**.

Always install indoors and place the **Waterlogic infinity UV 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 **infiniti UV Water Treatment System**. **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 UV 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 UV 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.

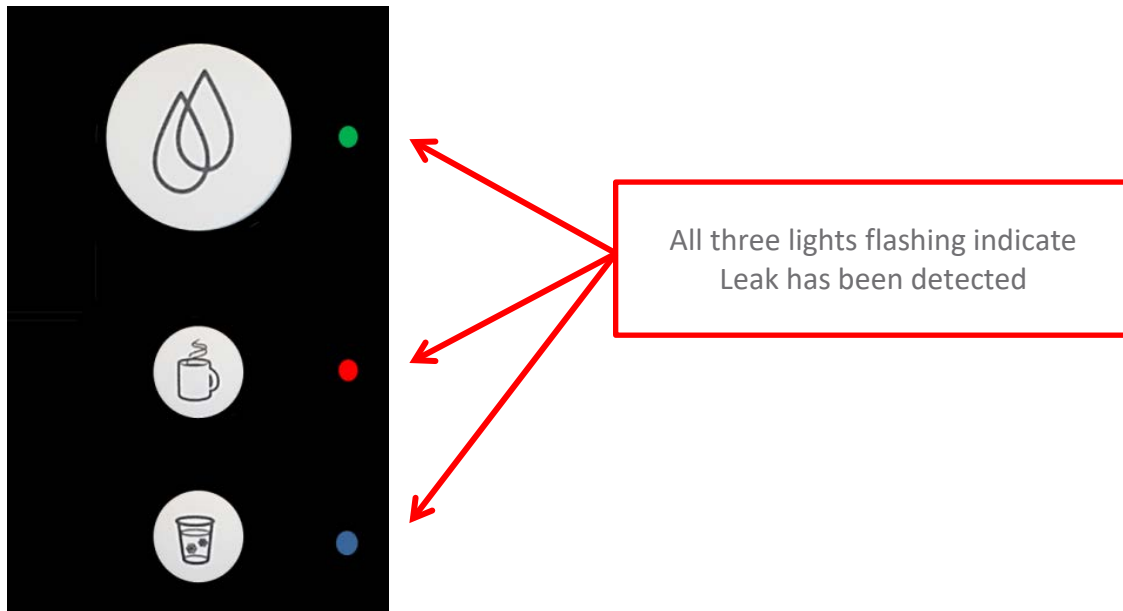


9. When the unit has reached its Hot Temp Set Point, the heater will cycle off. When the unit has reached its Cold Temp Set Point Temperature, the compressor will cycle off.
10. Once the unit is at the target temperature(s), sample the water to ensure water meets expectations and additional rinsing or adjustment is not required.
11. Check the unit for any leaks. External Leak Protection is always recommended.

FAULT CODE INDEX

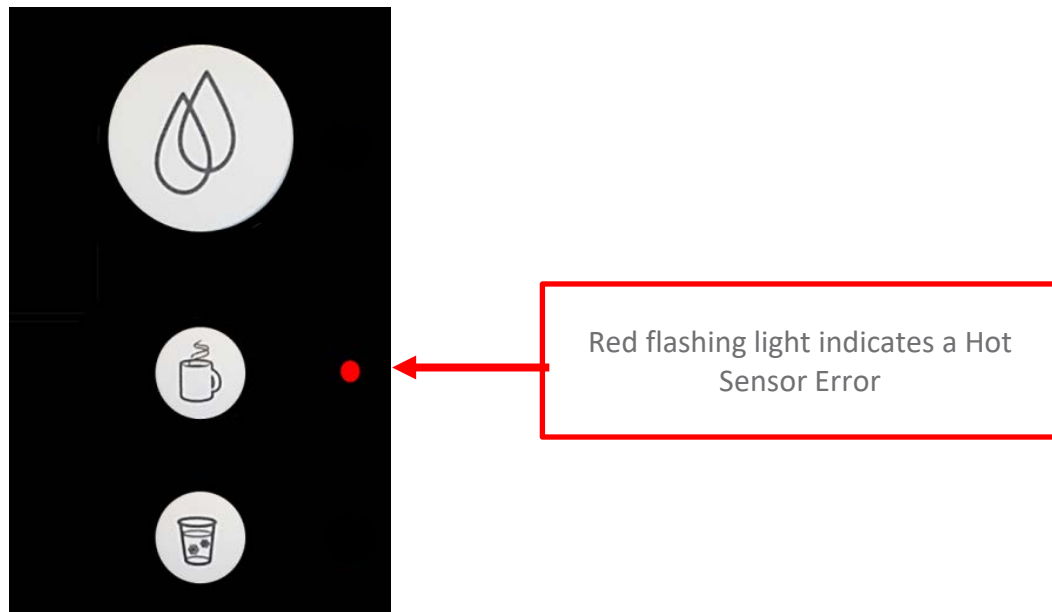
1. Dispense buttons all flash at the same time - Leak Detector Alarm
2. Red Hot Selection button flashes – Hot Sensor Error

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 UV 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 Error



Indicates an error with the hot sensor (thermistor).

The hot sensor error icon will appear in the dispense and maintenance screens if a hot sensor failure is detected. Hot sensor error message will appear for 3 seconds when selecting hot or extra hot. Heater will be shut off and hot and extra hot icons will be ghosted in the dispense screens.

Ensure the hot sensor (thermistor) is connected to the main PCB. Change the hot sensor and cycle power to reset error. Sensor must be fully inserted into the hot tank well. Error should disappear and hot and extra hot icons will be displayed in full color. Ensure that hot tank is full of water by dispensing hot to cup. Both power switches must be ON to enable the heater.

POWER TROUBLESHOOTING INDEX

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

1. Red Heater and Power Switch, and Dispense LED's 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 Socket Line Noise Filter, ElectroMagnetic Interference filter (EMI)	Replace Power Socket Line Noise Filter, ElectroMagnetic Interference filter (EMI)
Defective Red Heater and Power Switch	Replace Red Heater and Power



2. Red Power Switch is lit but the Display LEDs on the Front are not lit

Possible Reason	Solution
Bad Transformer	Replace Transformer
Black Power Connector to the PCB is not properly connected	Properly connect.
Bad Display PCB	Replace Display PCB
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 Power 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 Power 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 <i>infiniti UV 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 button "click".</p> <p>Adjust water pressure to 40-60 psi.</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>Inspect Solenoid for debris and clean out as needed or 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 UV 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 UV 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 Hot 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. It is divided into two main sections by a horizontal Tank Baffle. The upper section is the Expansion Chamber, which contains the Hot Tank Outlet To Faucet and the Outlet Vent Hole. The lower section is the main reservoir, which contains the Heater Element. An Outlet Restrictor is located at the base of the Hot Tank Outlet To Faucet. The Hot Tank Inlet is at the bottom left. Red arrows point to the Outlet Vent Hole and the Outlet Restrictor.</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 UV 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
<p>Too much water pressure. Recommend 40 to 60 psi for the infiniti UV Water Treatment System 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>
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 <i>infiniti UV 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>
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 tank to faucet. Pour some scale remover into cold tank.
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 UV 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"> <thead> <tr> <th colspan="5">WLCP Lab Testing of Rn On 7-31-2013</th> </tr> <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>	WLCP Lab Testing of Rn On 7-31-2013					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
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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
 - 19 Liter (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 ***infiniti UV Water Treatment System***. 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 UV 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 HAZARD. *Unit Produces Hot Water and Steam. Always use insulated and chemically compatible containers and let unit cool down before draining the hot tank to avoid injury.*


⚠ CAUTION! MUST REPLACE HOT TANK 3-5 YEARS. *The hot tank and its controls must be replaced a minimum of every three to 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)

1. 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 (1 gallon) for Tower and 2 liters (½ gallon) 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

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°)

The Hot temperature set point is 85°C (185°F) and is controlled by a thermostat on the side of the tank. The **infiniti UV Water Treatment System** does NOT have Extra Hot capability and the maximum hot temperature is 87.2°C (189°F).

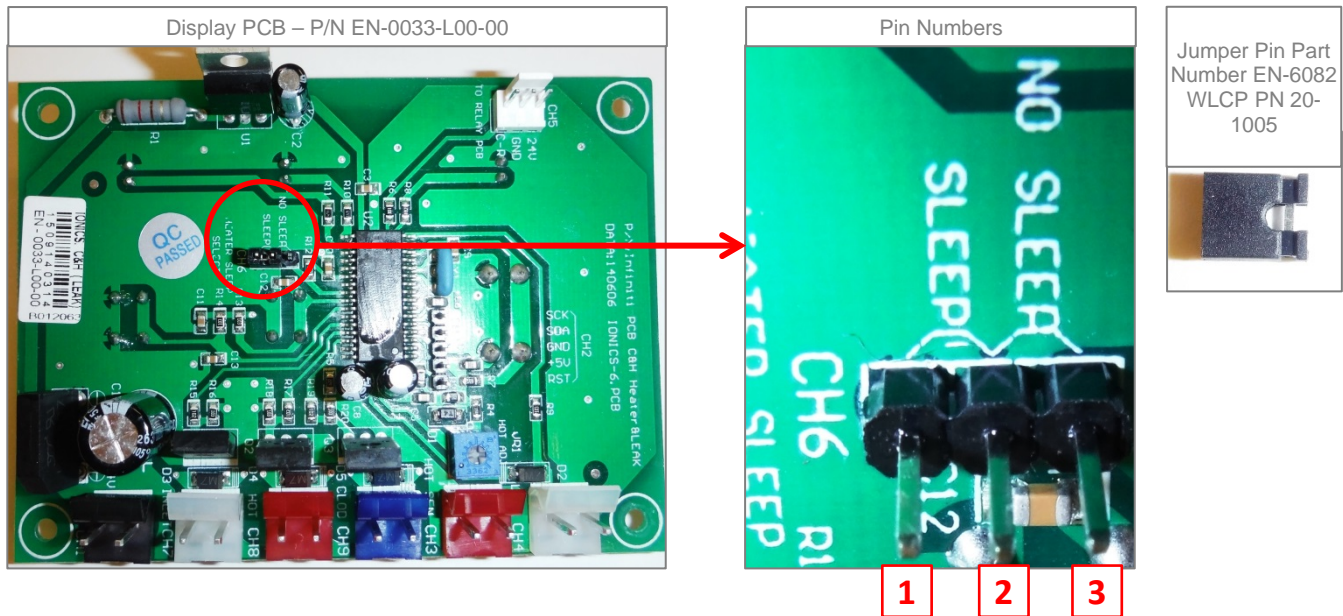
It typically takes 10 minutes for the 500W to heat the 1.6 Liter (.42 Gallon) of room temperature (ambient) water to the 85°C (185°F) set point.

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).

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>







PROGRAMMING “DISABLING ENERGY SAVING SLEEP MODE”

Infiniti UV 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 UV</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 5px;">1</div> <div style="border: 1px solid red; padding: 2px 5px;">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 5px;">2</div> <div style="border: 1px solid red; padding: 2px 5px;">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; align-items: center; justify-content: center;">    </div> <p style="text-align: center;">Overload with Manual reset - 221°F (105°C) WLCF 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 UV Water Treatment System</i> is fully operational before installing it at the customers' site.	