

## SERVICE REQUIREMENTS

**⚠ WARNING!** *Read and understand the contents of this manual before attempting to service the WL3 IT 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.

**⚠ 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.*

3. Inspect the Quartz Sleeve O-ring for wear or damage and replace as necessary.
4. Ensure there is adequate (minimum of 2") clearance around the **WL3 IT Water Treatment System** and clean the condenser grill and compressor fan to provide efficient cooling system operation.
5. Sanitize the cold tank per instructions in the pre-installation procedures.

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

6. Clean and sanitize external surfaces of the **WL3 IT Water Treatment System**. Use soap and water or chemicals that are compatible with ABS plastic and will not damage or degrade the product surfaces.
7. Remove and clean the Faucet. Replace as needed.
8. Descale Hot Tank Annually, or as needed.

## LG COMPRESSOR

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

**LG Compressor 120V R134A 1/8HP CSB035LJCM with external start/run capacitor.**

### LG Compressor with External Start/Run Capacitor



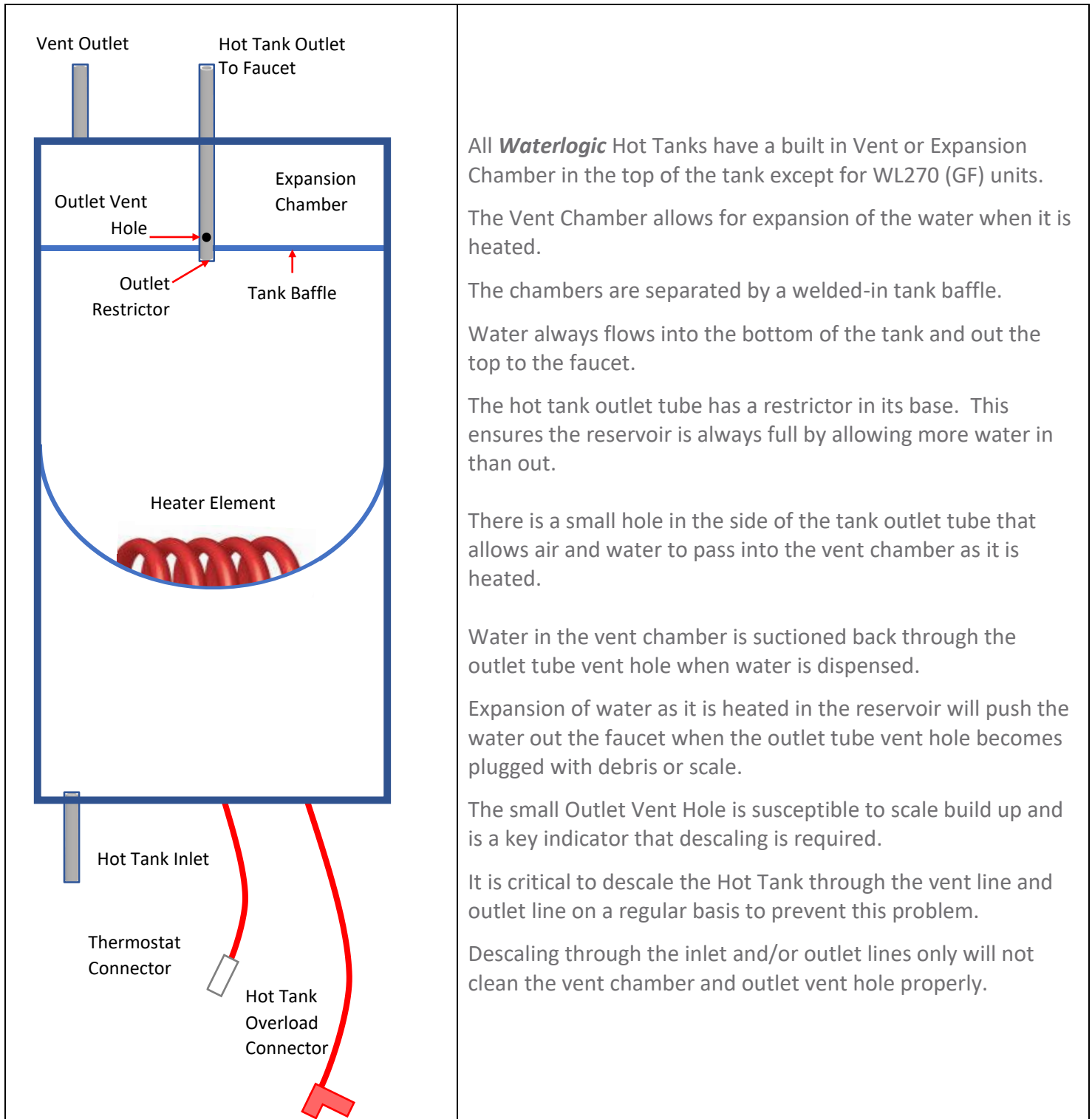
LG CSB035 LJCM Compressor

**External Capacitor**

### **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.

## **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 **WL3 IT Water Treatment System'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 **WL3 IT Water Treatment System** 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 (or an empty in-line filter housing)
  - Food Coloring
1. Put descaling solution 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 **WL3 IT 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 basin 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 **WL3 IT 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 the **WL3 IT Water Treatment System** is performing to the customer's satisfaction.

**⚠ WARNING! HOT WATER HAZARD.** The **WL3 IT Water Treatment System** Produces Hot Water and Steam. Always use insulated and chemically compatible containers and let **WL3 IT Water Treatment System** cool down before draining the hot tank to avoid injury.

**⚠ CAUTION! MUST REPLACE HOT TANK EVERY 3-5 YEARS DEPENDING ON USAGE**  
The Hot Tank and its controls must be replaced a minimum of every three to five years depending on usage 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.

## REPLACEMENT COMPONENTS (CONSUMABLES)

Component	WLCP Part No.	Frequency of Replacement
UV Light, 4 Watts Assembly <b>Counter Top</b>	CT-2030-L00-00	Every 12 months, or as required
UV Light, 8 Watts Assembly <b>Tower</b>	CT-2001-L00-00	Every 12 months, or as required
Hot Tank 1.5 Liter (.40 Gallons) 87°C (189°F) - <b>Counter Top</b>	HT-3024	Replace every 3-5 years depending on usage
Hot Tank 1.5 Liter (.40 Gallons) 87°C (189°F) - <b>Tower</b>	HT-3024	Replace every 3-5 years depending on usage
GAC Filter - 10" Carbon Activated Inline Filter – <i>Optional</i> <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>Optional</i> <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 - 10" Sediment 20 Micron Inline Filter – <i>Optional</i> <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.