

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

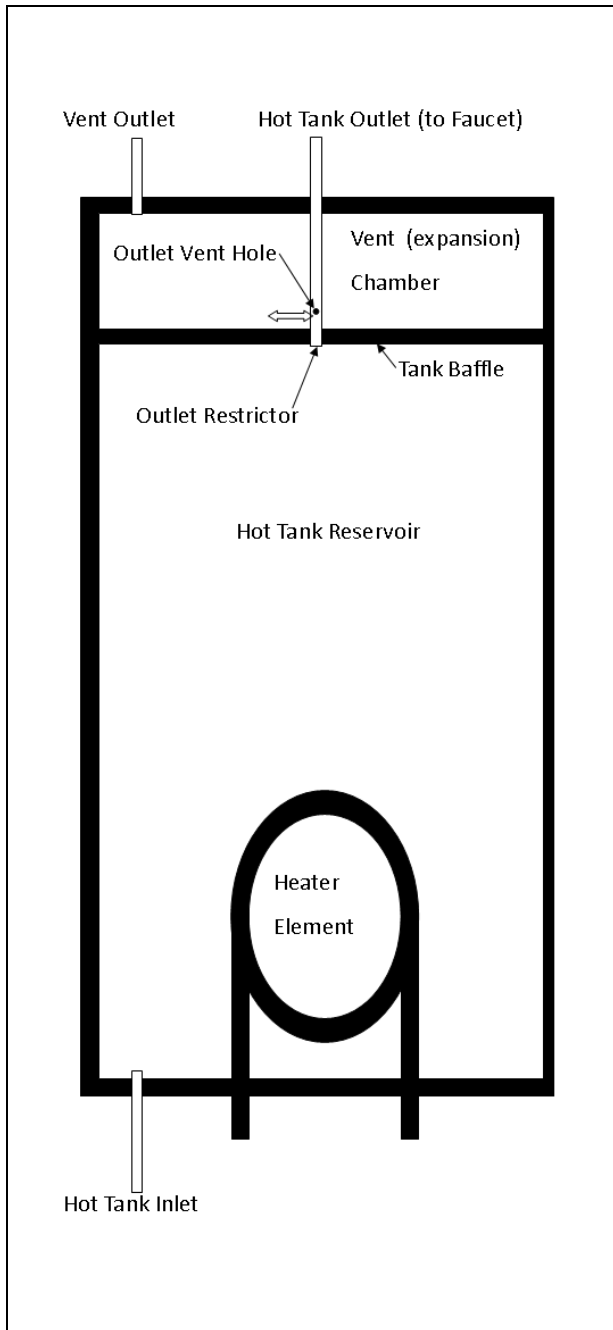
Repair/Replacement Parts for are not interchangeable with older/other compressors.

Older version of LG compressor is obsolete and no longer available.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

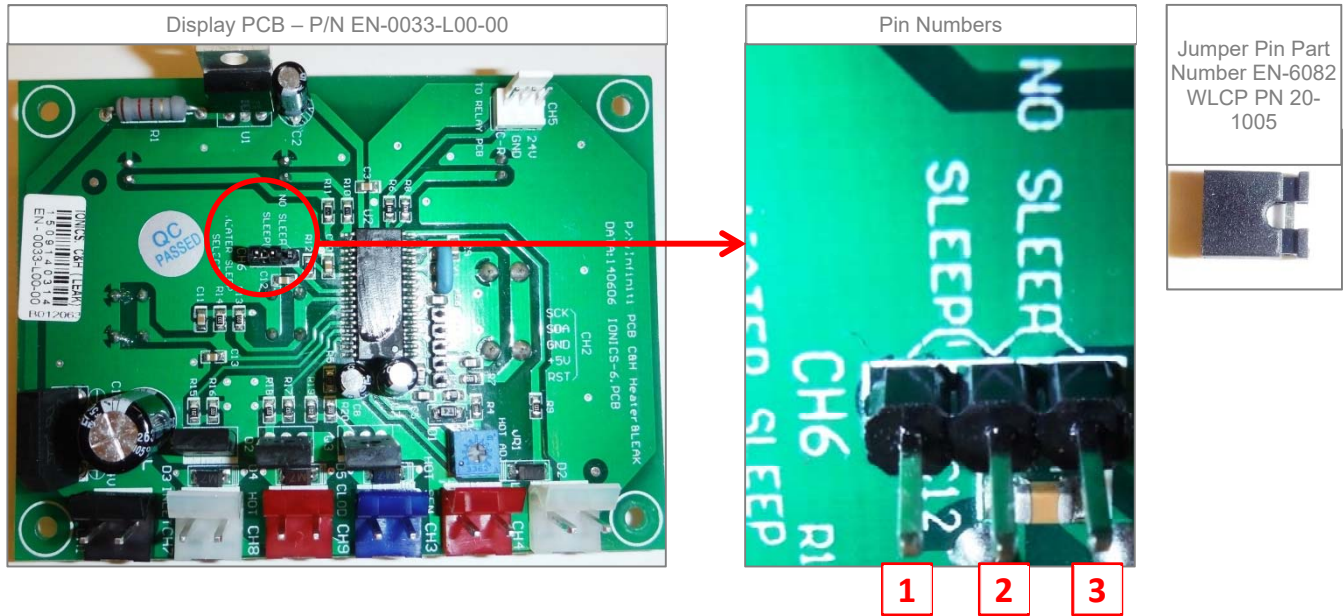
Do not adjust past the “Max Cold” position at 3:00 position to avoid freezing the cold tank.


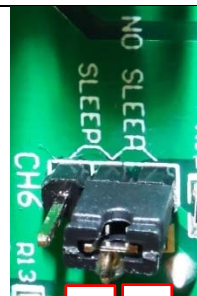


Turning the adjustment screw counter-clockwise to raise the set point temperature.

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>	 <div style="display: flex; justify-content: center; gap: 10px;"> 1 2 </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;"> 2 3 </div>

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

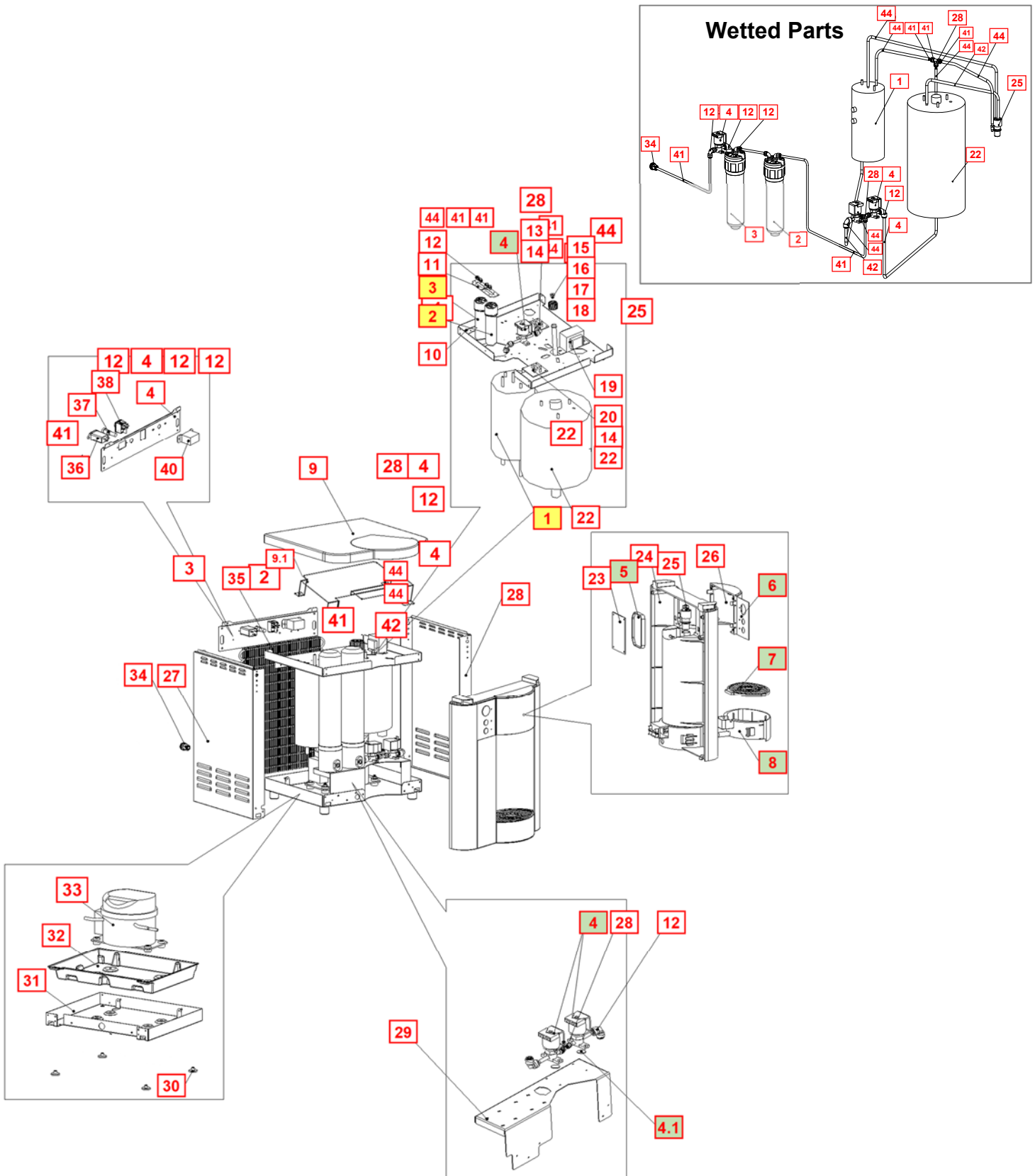
Clean on a regular basis with damp lint free cloth. Never use harsh chemicals (alcohol or acid based) or abrasive agents on any part of the product to avoid damage. A mild cleaner such as Simple Green or equivalent is recommended.

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

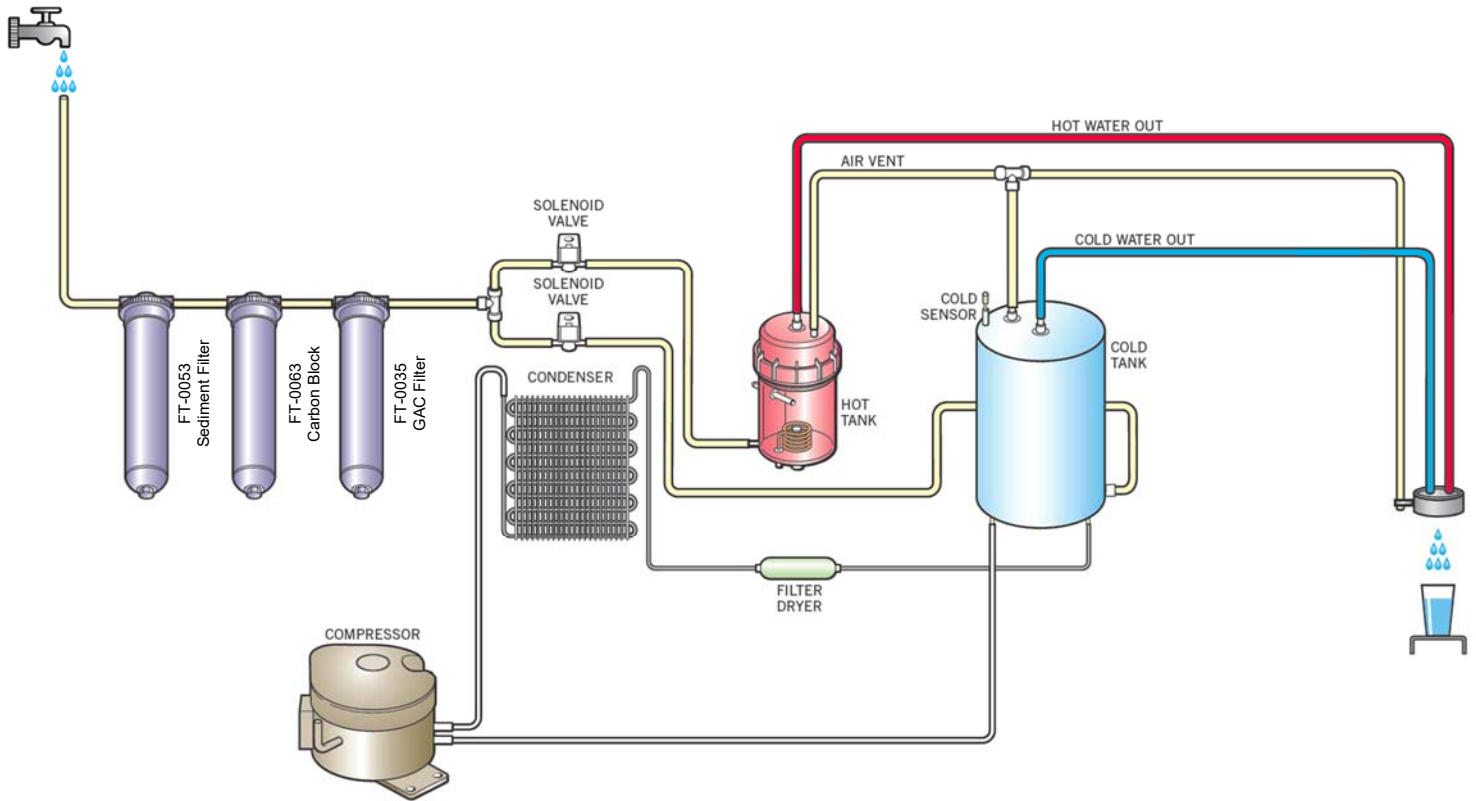
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Consumables				
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2	FT-0035	GAC Filter - 10" Carbon Activated Inline Filter <i>Filter Element PN FT-0064-WLT</i>	FT-0035-IL-WLT	
3	FT-0063	Carbon Block - 10" CBC 1-Micron Lead and Cyst Reduction Inline 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.

