




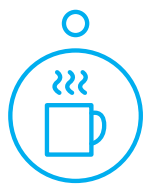
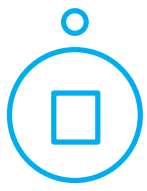



WS15000 Field Guide



SPECIFICATIONS

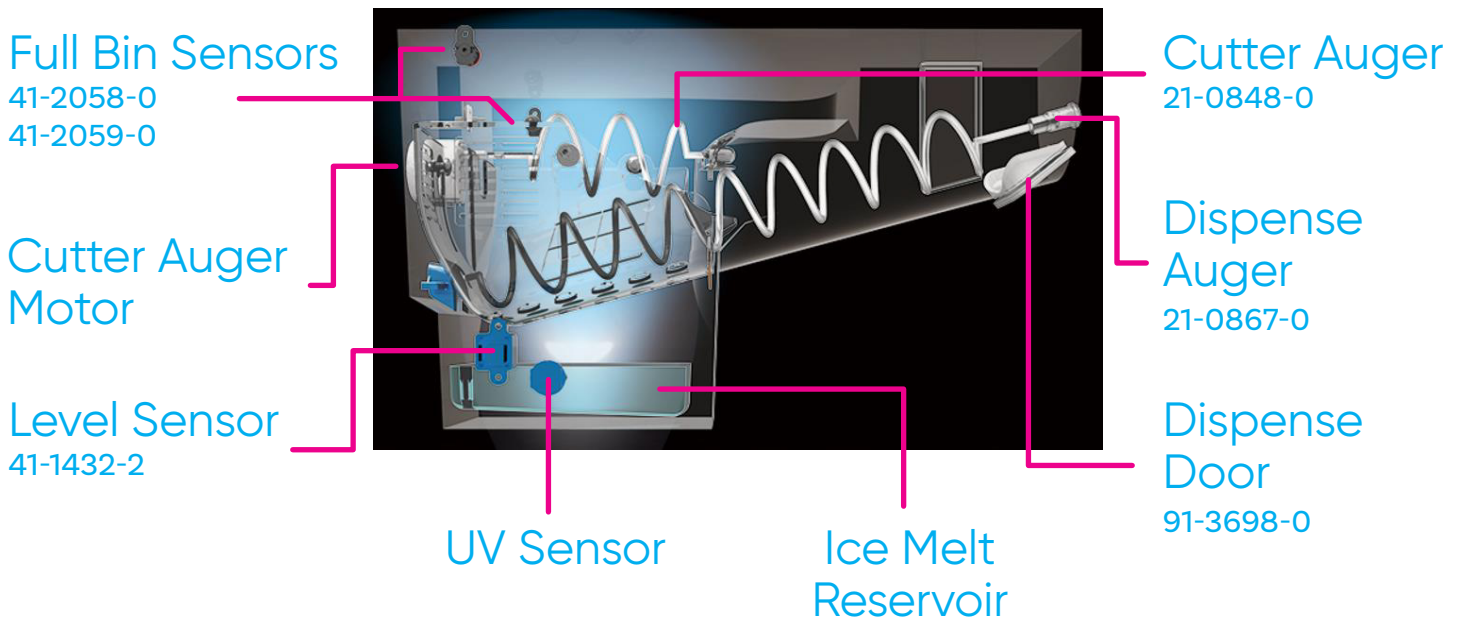
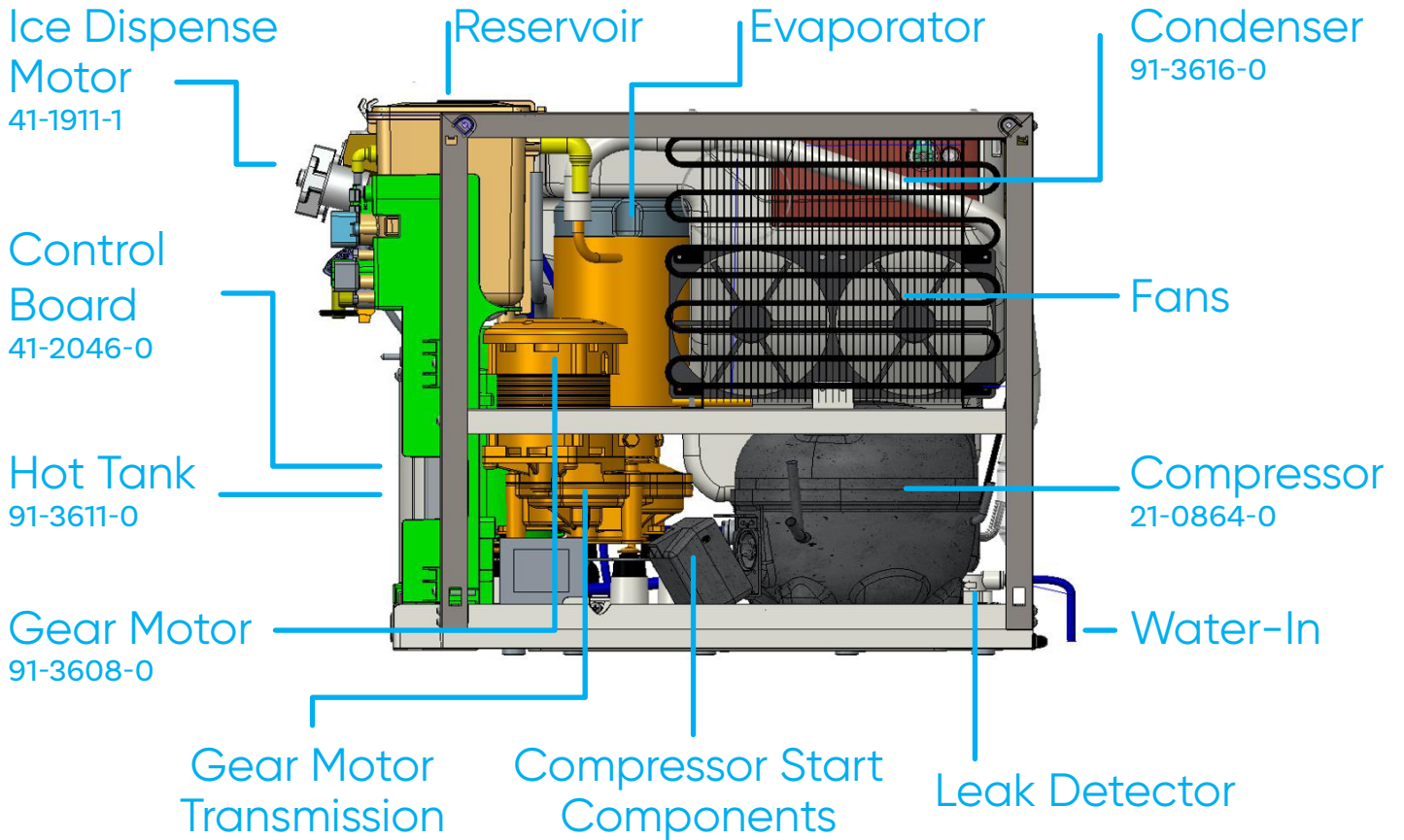
| Model Name | | WS15000 |
|--------------------------------|-----------|---|
| Rated Voltage | | AC 120 V/60 Hz |
| Allowable Pressure | | 20-100 psi (1-7kgf/cm ²) |
| Power Consumption | MAX | 4.5 A (505 W) |
| Weight | | 71.9 lbs (32.6kg) |
| Refrigerant/Refrigerant Weight | | R-134a (1.48 oz ± 0.03 oz) |
| Design Pressure | | 280 psig (19.3 bar) (High Side) |
| Dimensions | | 360 W x 550D x 450 H (mm) (14.2 W x 21.7 D x 17.7 H (in)) |
| Place of Installation | | Indoor |
| Storage | Hot Water | 1.25L (42.3oz) |
| | Ice | 6.6 lbs (3 kg) (MAX) |
| Climate Class | | N Class (32 °C ± 1 °C) (89.6 °F ± 33.8 °C) |
| Safety Device | | Overheating Protector, Water Level Detector, Water Leakage Shut-Off Valve, Fuse |
| Power Cord | | 1.9m (6.3ft) (74.8in) |
| IP Class | | IPX1 |
| Room Temp | | Maximum: 100 °F (37.7 °C), Minimum: 50 °F (10 °C) |
| Source Water Temp | | Maximum: 90 °F (32.2 °C), Minimum: 40 °F (4.5 °C) |
| Relative Humidity | | 55% at 78 °F (25.5 °C) |

DISPENSE BUTTONS

| | | |
|--|-----------------------------|--|
|  ICE | ICE LED | ICE LED will be on when the ice is ready to be served, and blink while dispensing. |
| | ICE DISPENSE BUTTON | Push the button to dispense ice. |
|  LED UV | LED UV LED | LED UV LED will be on when the product is in operation (Yellow). |
|  FILTERED | FILTERED LED | FILTERED LED will be on when the product is in operation (White). |
|  HOT | HOT WATER LED | HOT WATER LED will be on when the product is in operation (Red). |
| | HOT WATER SELECT BUTTON | Push the button to select hot water. |
|  AMBIENT | AMBIENT WATER LED | AMBIENT WATER LED is on when the ambient water is selected (White). |
| | AMBIENT WATER SELECT BUTTON | Push the button to select ambient water. |
|  WATER | WATER LED | WATER LED will be on when the product. |
| | WATER DISPENSE BUTTON | Push the button to dispense ambient/hot water. |
|  | ICE DISPENSE SPOUT | Ice is dispensed from ICE DISPENSE SPOUT. |
|  | WATER DISPENSE SPOUT | Water is dispensed from WATER DISPENSE SPOUT. |

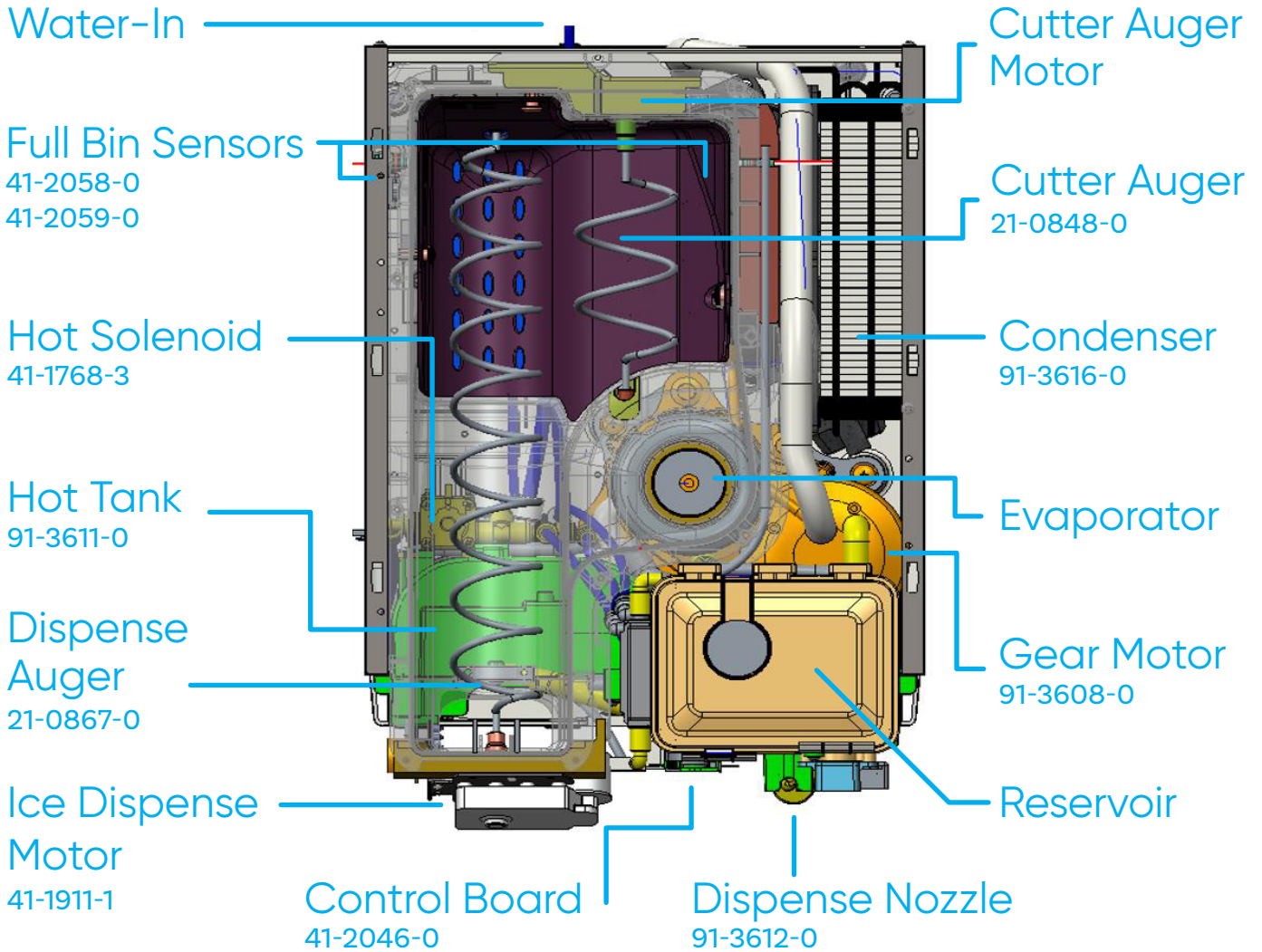
INTERIOR VIEW

RIGHT SIDE & ICE BIN



INTERIOR VIEW

TOP & BACK



Main Power Switch

Power Cord

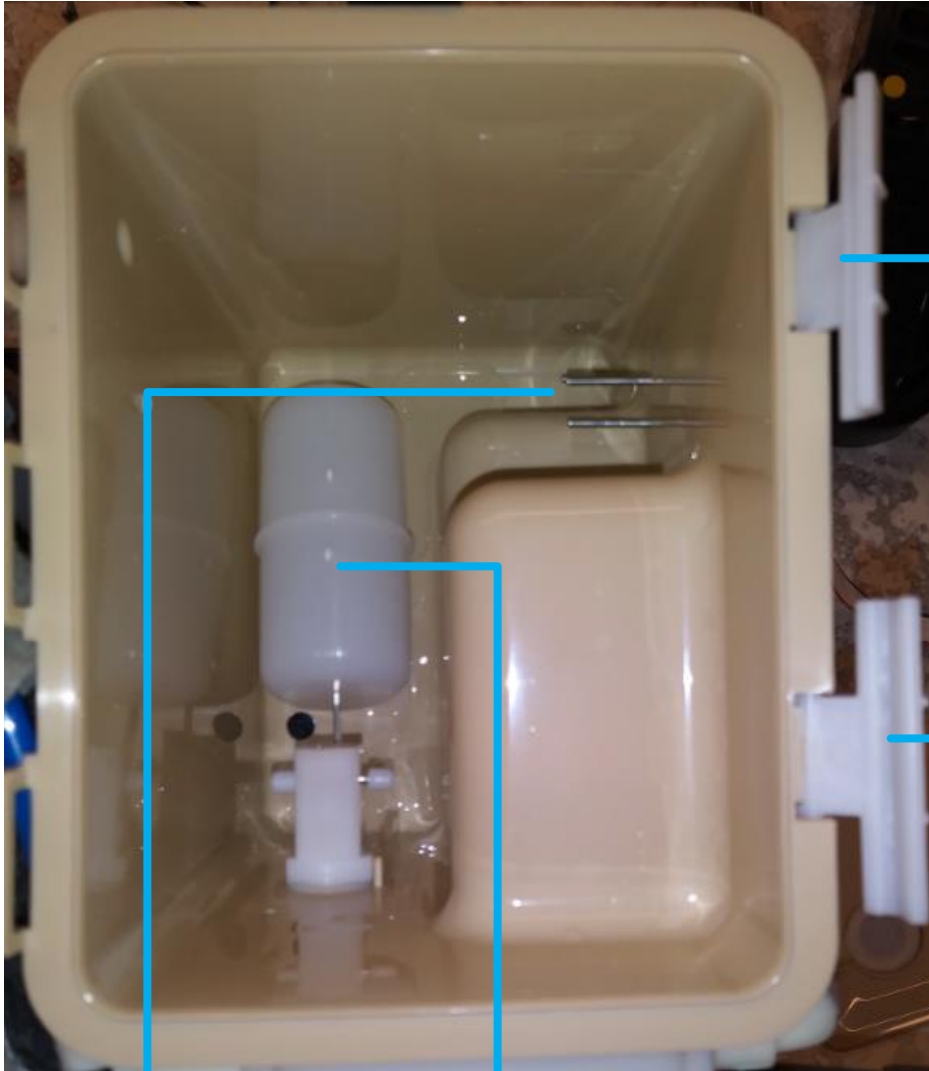


Hot Tank Switch

Water-In

INTERIOR VIEW

WATER RESERVOIR



Level Sensor
41-1432-2

Float

Locking
Clips

INTERIOR VIEW

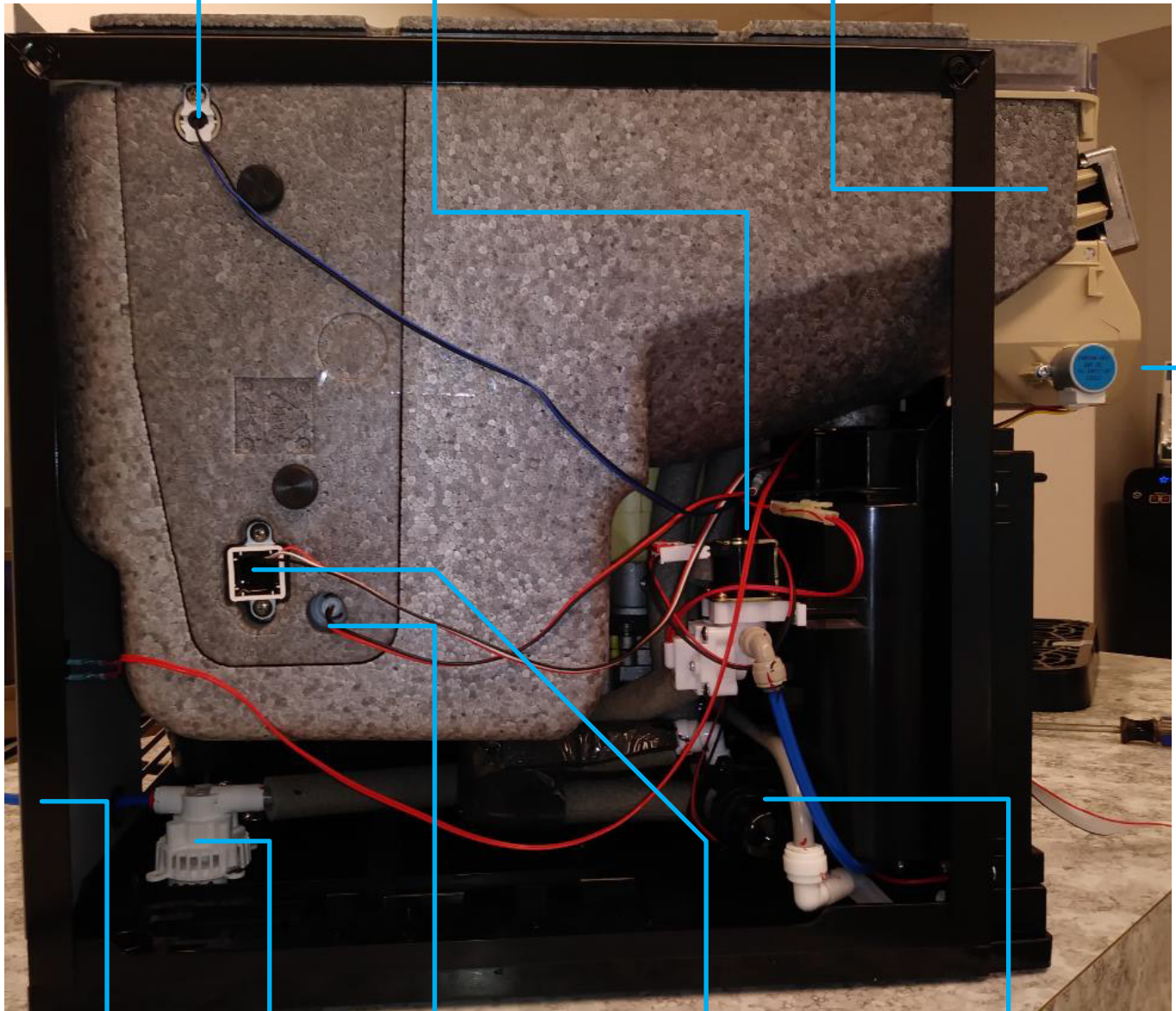
LEFT SIDE

Full Bin Sensor
41-2058-0
41-2059-0

Hot Solenoid
41-1768-3

Ice Dispense
Motor
41-1911-1

Damper Door
Motor
41-1285-0



Water-In

Leak Detector

UV Light

Level Sensor
41-1432-2

Pump
41-1405-0

INTERIOR VIEW

Damper
Door Motor
41-1285-0

Ice Dispense
Motor
41-1285-0

Ambient
Dispense
Solenoid

Reservoir

Hot
Dispense
Solenoid

Level
Sensor
41-1432-2
31-0577-1

Dispense
Nozzle
91-3612-0

Control
Board
41-2046-0

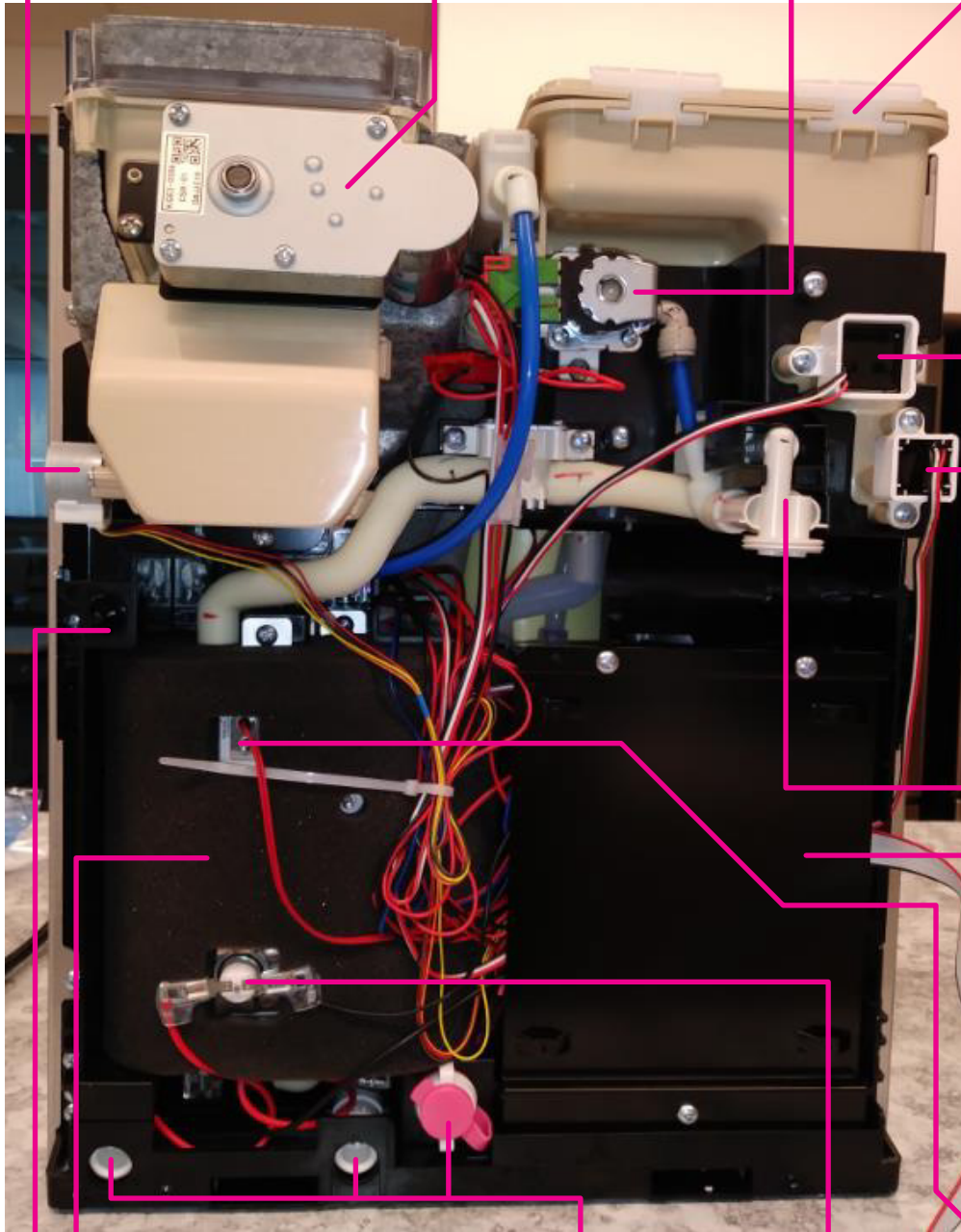
Safety
Switch

Hot Tank
91-3611-0

Drain

Resettable
Thermal
Cut-Off

Hot Thermistor
41-0308-0



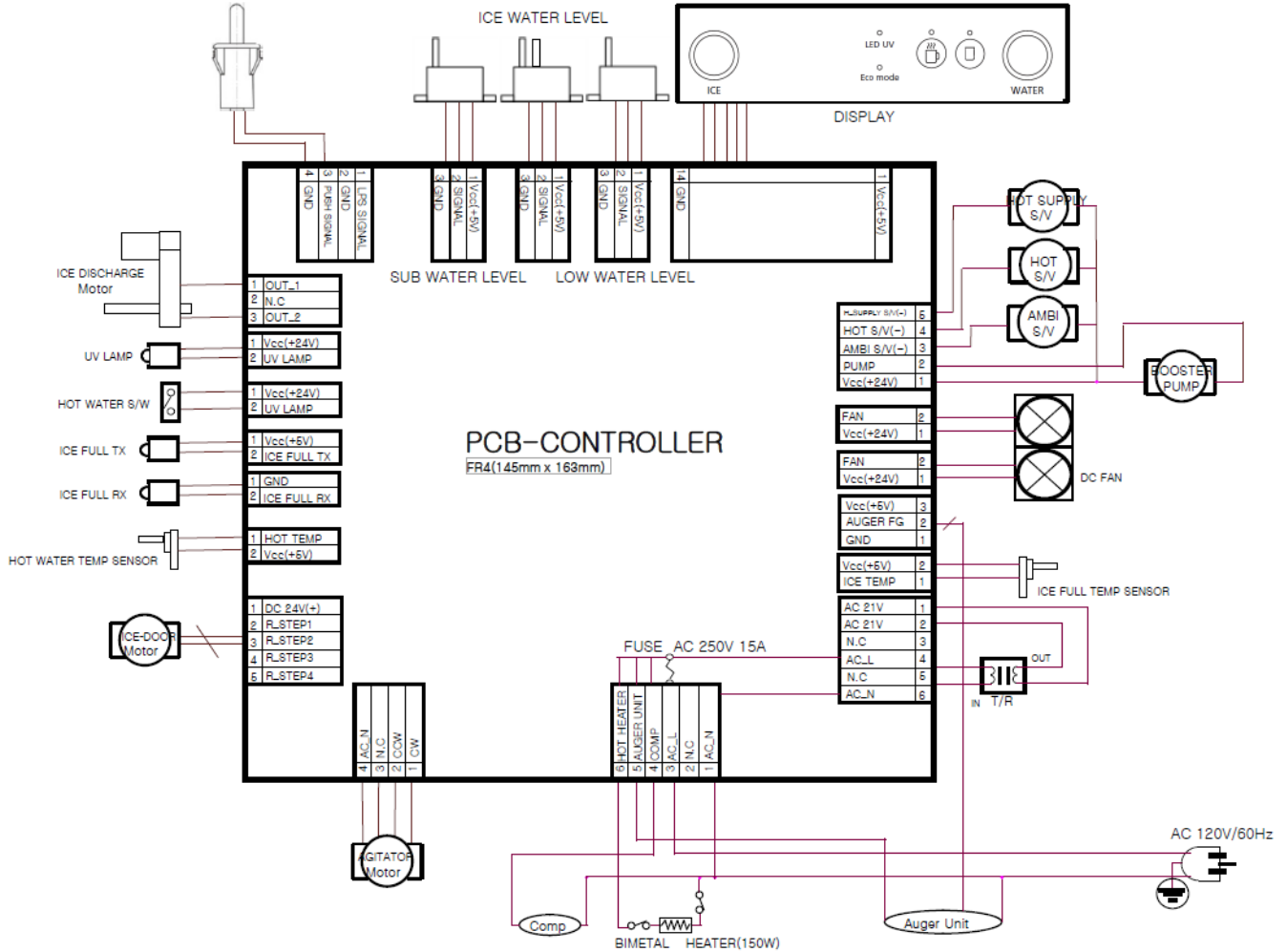
INTERIOR VIEW

FILTER ENCLOSURE



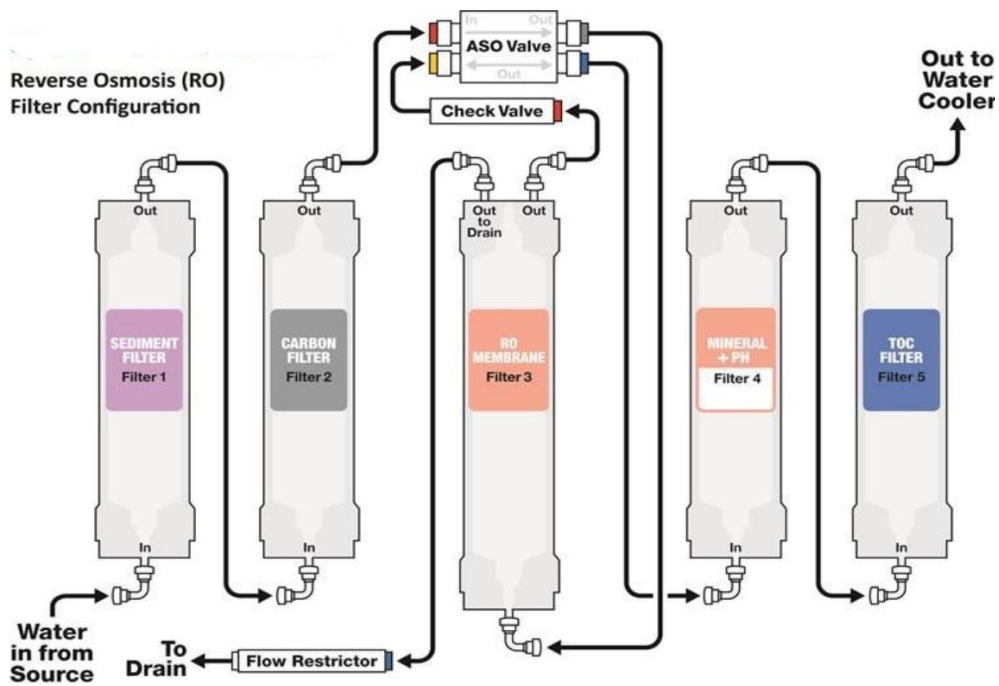
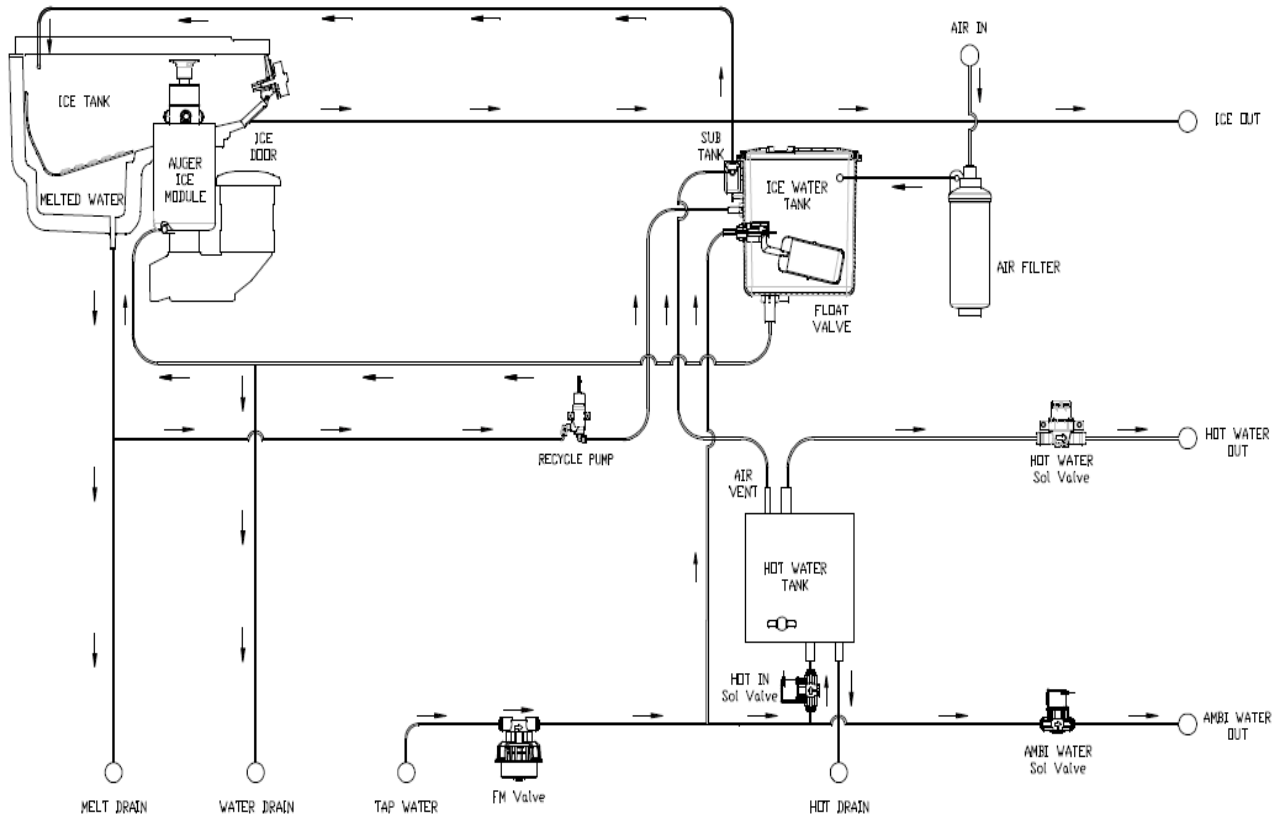
WIRE DIAGRAM

HC3 / GWI-65C7500U



WATER FLOW MAP

GW-65C7500U : WATER FLOW

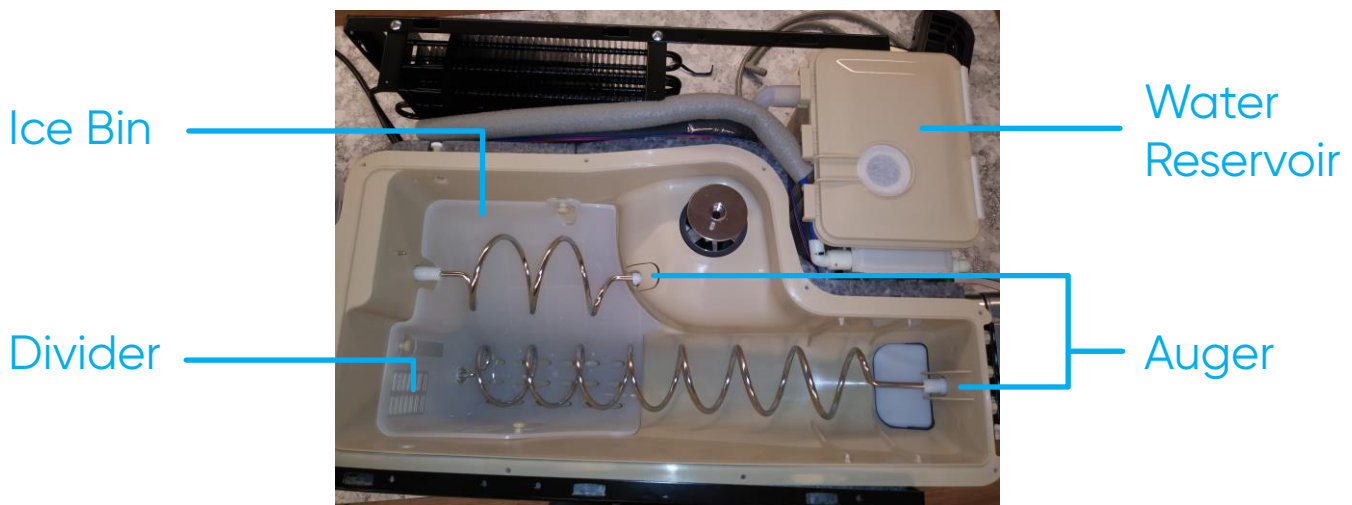


ICE MAKING PROCESS

- 1** The WS15000 will start making ice when the safety switch is depressed. Ice-full sensors and reservoir sensors will regulate the process. Water is drawn from either the RO, or from the reservoir below the ice bin.
- 2** Melt water is returned to the reservoir where it is disinfected by UV light.
- 3** Internal UV light is activated ever 3 hours for a 1 hour duration.
- 4** The water reservoir and the evaporator fill with water at the same rate.
- 5** Ice forms on the interior walls of the evaporator. The internal auger spins, scraping the ice off, which falls into the next bin. As ice moves into the ice bin it passes through the cutter auger, which automatically spins during the process.
- 6** Sensors in the refrigerant line inhibit the evaporator from “over-cooling” and freezing the evaporator.
- 7** Ice will remain chilled in the insulated ice bin, and keep itself cold.

INSTALLATION

1. The ice machine must be installed indoors
2. Check water pressure, if over 70 psi, add a pressure regulator.
3. Place the ice machine so that it has five inches of clearance at the sides and rear of the unit, so it has proper ventilation.
4. Unit will need to be sanitized.
 - a. Remove top and front panels
 - b. Open ice bin and water reservoir
 - c. Remove the augers and divider from the ice bin
 - d. Using a 1:4 ratio of hydrogen peroxide to water in a bottle, spray all surfaces inside the ice bin, augers, diver and water reservoir.
 - e. Let solution sit for 5 minutes and wipe clean.
 - f. Spray small amount back into the reservoir and ice bin
 - g. Repeat steps c through e on the reservoir and ice bin lids.



5. This ice machine only requires a drain on the RO system.
6. Filters should be located under the sink.
7. The RO system filters must be flushed. See the preventive maintenance section for this process.
8. Note: this unit will require a RO storage tank. It is recommended the tank is full of water before the installation so you will not have to wait for the RO to fill the unit and RO tank.
9. Fill hot tank
 - a. Select hot
 - b. Hold the dispense button until water is dispensed
 - c. Turn on hot tank by pressing the switch in the back of the unit.

PREVENTATIVE MAINTENANCE

A. Open filter enclosure. Press this tab on both sides of the enclosure to remove the lid.



Filter Change Regime:

| | |
|---------------------------------|------------|
| Pre-Sediment Filter (HF-EX1(P)) | 1 year |
| Pre-Carbon filter (HF-EX2(P)) | 1 year |
| Reverse Osmosis (HF-EX3R(P)) | 2- 3 years |
| Bio-Sure Plus RO (HF-EX4R(P)) | 1 year |
| TCR (HF-EX5(P)) | 2 years |

B. Locate and remove the sediment and pre carbon filters. Connect to a water supply and flush for 3 minutes into a bucket.



C. Locate and remove the Bio-Sure Plus filter. Connect to a water supply and flush into a bucket for 3 minutes.



D. Locate and remove the TCR filter. Connect to a water supply and Flush the backwards into a bucket for 3 minutes.



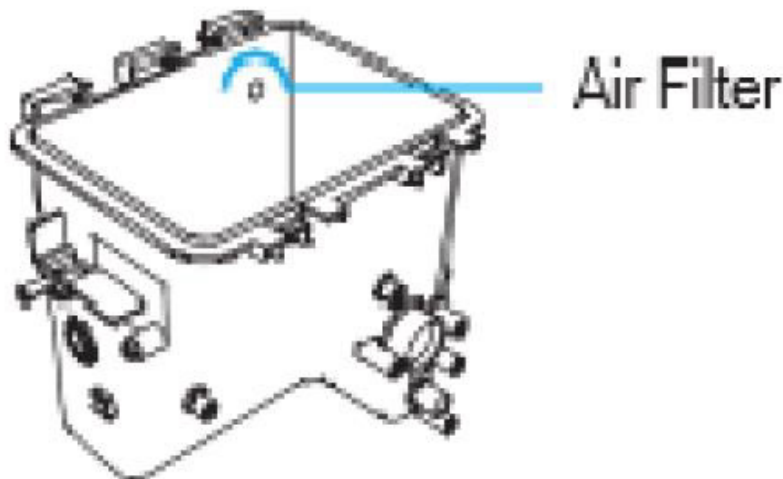
E. Turn water off and return filters and tubing to their original locations.

F. Let the RO flush into a bucket for 30 minutes, then reconnect the product water tube to the ice machine.

SANITIZING/DESCALING THE EVAPORATOR, WATER RESERVOIR AND ICE BIN

NOTE: This cleaning process must be followed **every 6 months to a year** depending on unit condition and water quality.

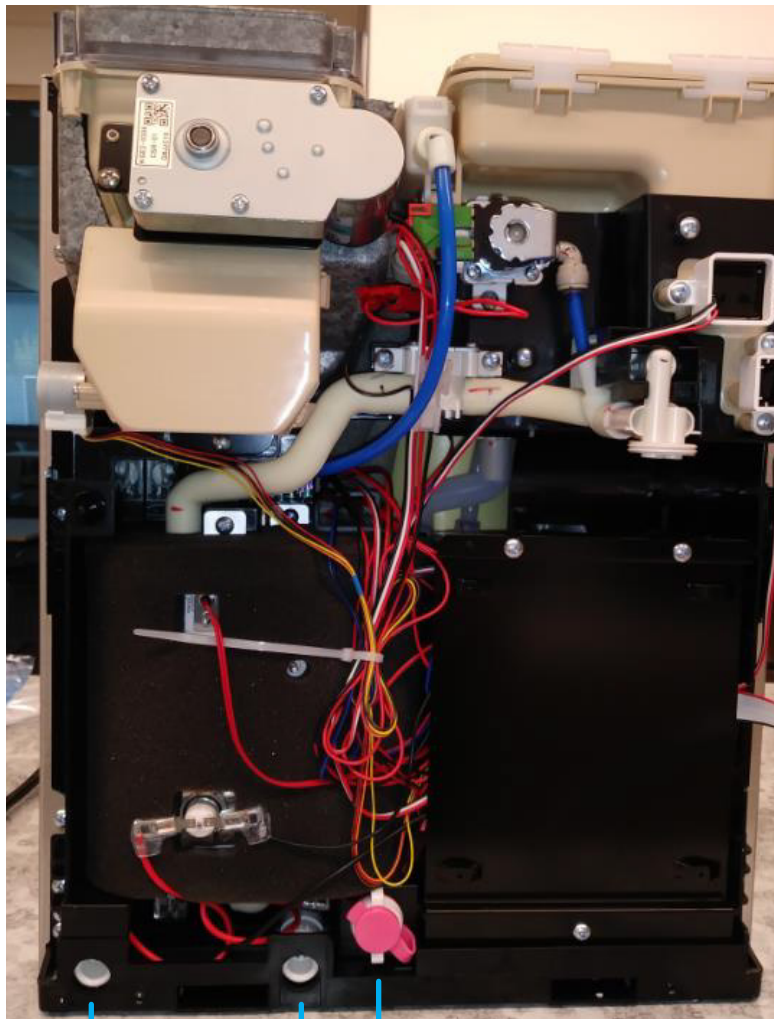
1. Unplug unit from power and turn water off.
2. Remove front and top panels
3. Mix 3.4oz of cleaning fluid with half a gallon of warm water and pour it slowly into the water reservoir. This will also fill the evaporator with the cleaning solution. Be careful not to overflow the water reservoir, this could allow the cleaning solution to enter the air filter.



4. Allow the solution to sit for 30 minutes to remove the scale.
5. Clean and rinse the augers and divider.
6. Connect drain hose to drain ports and drain unit. Disconnect hose once done draining.
7. Slowly pour half a gallon of clean warm water into the water reservoir, being careful not to overflow the reservoir.
8. Connect drain hose to drain ports and drain unit. Disconnect hose once done draining.
9. Using a 1:4 ratio of hydrogen peroxide to water in a bottle, spray all surfaces inside the ice bin, augers, ice bin lid, water reservoir lid, divider and water reservoir.
10. Let solution sit for 5 minutes and wipe clean.
11. Spray small amount back into the reservoir and ice bin
12. Reassemble ice bin and water reservoir.
13. Clean and sanitize the water nozzle, drip tray and ice chute.
14. Reassemble and test unit.

PREVENTATIVE MAINTENANCE

1. Drain the Unit
2. The ice bin and water reservoir drain ports are located behind the drip tray, while the hot tank drain is behind the front panel
3. Power down the unit and Insert supplied tube into desired drain port to drain unit



Bin Drain

Reservoir Drain

Hot Drain

ERROR CODES & BASIC TROUBLESHOOTING

| PROBLEM | POSSIBLE CAUSE | RESOLUTION |
|-----------------------|--|--|
| No Power | Power Switch Is Switched To “Off” Position | Turn the power switch to “on” position |
| | No Power From Outlet | Check for voltage at outlet |
| | Control Board Unresponsive | If control board is receiving power, but not responding, then replace board |
| No Water | Ball Valves Are Closed | Open ball valves |
| | Malfunctioning Ro Tank | If ro tank is empty, check connections and make sure it is working properly |
| | Faulty Ro Operation | Replace filters as needed |
| | Leaks | If water is present in leak detector, then check the unit for leaks and repair |
| No Ice | Malfunctioning Ice Bin | If ice bin is full, check dispenser operation |
| | Malfunctioning Water Reservoir | If reservoir is full, check probes and clean if necessary. |
| | Check Bin Full Sensors | Clean or replace as needed |
| | Dust Build Up In Condenser | Clean the condenser |
| | Improper Clearance | Unit requires minimum 5” clearance |
| | Room Temperature | Room must be < 100° f |
| | Incoming Water Temperature | Must be < 90° f |
| | Proximity To Hot Objects Or Appliances | Unit requires minimum 5” clearance |
| | Scale Build Up | Descale as needed |
| Blinking Ice Button | Auger Motor Malfunction | Check motor and replace if needed |
| Blinking Water Button | Empty Water Reservoir | Check water supply/supply lines |
| Blinking Hot Light | No Water In Hot Tank | Unplug unit for 10 seconds and fill tank. |

NO ICE TROUBLESHOOTING

1. Is there any Push Button LED blinking?

A. ICE push Button is blinking when Auger Motor doesn't operate properly.

B. WATER push Button is blinking when there is no water has been supplied.

2. If there is no blinking, reset the system, by unplugging the power plug for 10 sec.

3. If the unit does not start making ice, Disassemble the TOP COVER, TRAY & FRONT COVER.

A. Remove the ICE & WATER Dispenser Deco

B. Remove the TOP COVER by removing the 2 screws located at the back

C. After removing the tray, remove the 2 screws on the bottom then remove the FRONT PANEL.

4. Verify the water level inside the water reservoir.

A. If the water level is below the LOW WATER LEVEL SENSOR, then check the water supply



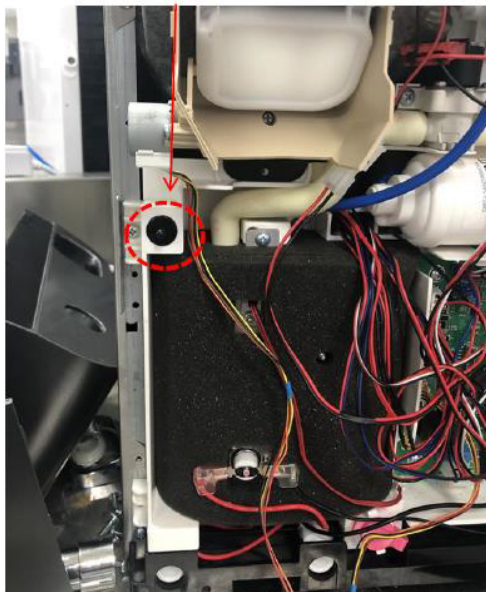
5. Assemble the FRONT PANEL and wait for 5 min.

A. If the FRONT PANEL is not attached to the system, Ice-making operation won't work.
(COVER SWITCH needed to be pressed.)

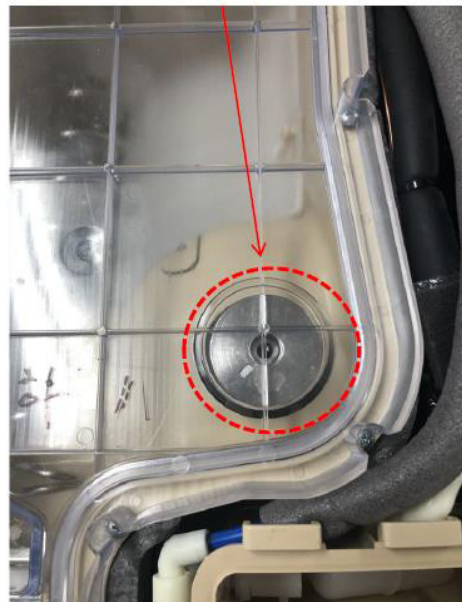
B. 5 min after re-plugging the system, the ICE AUGER will restart by rotating

C. Additional 1 min would be necessary before Compressor and Fans operate properly.

Cover SWITCH



ICE Auger



PARTS GUIDE

WETTED

| | |
|-----------|---|
| 61-1908-0 | 15000 - Eps pad lower (white) |
| 61-1839-0 | 15000 - Eps auger (light gray) |
| 21-0848-0 | 15000 - Cutter auger |
| 21-0892-0 | 15000 - Wrench bolt |
| 21-0893-0 | 15000 - Washer |
| 21-0867-0 | 15000 - Auger |
| 31-0025-1 | 15000 - Tube end 1/2 |
| 31-0325-1 | 15000 - Seal sensor level cold |
| 21-0852-0 | 15000 - Bkt auger lower |
| 41-1194-2 | 15000 - Valve solenoid high pressure |
| 21-0851-0 | 15000 - Bkt auger upper |
| 31-0721-1 | 15000 - Tu elbow air vent |
| 31-0431-0 | 15000 - Cap drain (black) |
| 91-3619-0 | 15000 - Assy tubing 3/8 pe-rt - sub |
| 11-2970-0 | 15000 - Coupler motor spiral_sus left |
| 11-3099-0 | 15000 - Link door ice |
| 41-1550-0 | 15000 - Sterilizer uv led tank |
| 41-2058-0 | 15000 - Sensor ice full laser -receive |
| 11-2971-0 | 15000 - Coupler motor spiral_sus right |
| 11-2974-0 | 15000 - Coupler bushing spiral_sus |
| 41-1795-0 | 15000 - Sensor level detector -ice tank |
| 41-2059-0 | 15000 - Sensor ice full laser-sent |
| 61-1835-0 | 15000 - Eps unit (light gray) |
| 11-3048-0 | 15000 - Tubing 1/4 330mm (blue) |
| 41-1432-2 | 15000 - Sensor level detector 2pin top |
| 31-0577-1 | 15000 - Sealing level sensor |
| 41-1171-1 | 15000 - Sensor level detector 1pin bottom |
| 41-1405-0 | 15000 - Pump drain |
| 91-3698-0 | 15000 - Assy door ice |
| 11-2980-0 | 15000 - Cover door ice |
| 11-2981-0 | 15000 - Door ice |
| 31-0422-0 | 15000 - Seal door ice |
| 51-0347-1 | 15000 - Filter 6inch sed |
| 11-2987-0 | 15000 - Guide ice front |
| 91-3611-0 | 15000 - Assy tank hot - sub |
| 21-0868-0 | 15000 - Tank hot |
| 91-3612-0 | 15000 - Assy manifold faucet - sub |
| 41-1768-3 | 15000 - Valve solenoid 1way |

ELECTRONICS

| | |
|-------------------|-----------------------------------|
| 41-0308-0 | 15000 - Sensor temperature (eva) |
| Foot switch XF-1D | 2 Pedal system |
| WS120002PDLKIT | 15000 Ice and cold pedal |
| 41-2048-0 | 15000 - Power cord plug b |
| 41-1911-1 | 15000 - Motor-dispens ice |
| 41-2064-0 | 15000 - Sensor temperature (tank) |
| 41-2018-0 | 15000 - Transformer |
| 41-2046-0 | 15000 - Pcb main |
| 11-2824-0 | 15000 - Deco dispenser light |
| 41-1285-0 | 15000 - Motor geared (door) |
| 91-3608-0 | 15000 - Assy motor geared - sub |

PANELS

| | |
|--------------|----------------------------------|
| 21-0853-0 | 15000 - Frame side |
| 91-3592-0 | 15000 - Assy plate base - sub |
| 91-3607-0 | 15000 - Assy unit - sub |
| 91-3622-0 | 15000 - Assy plate middle - sub |
| 91-3614-0 | 15000 - Assy tray |
| 11-3111-0 | 15000 - Deco dispenser (black) |
| 21-0854-0 | 15000 - Frame rear |
| 91-3620-0 | 15000 - Assy cover rear - sub |
| 21-0860-0 | 15000 - Cover pcb upper |
| 21-0873-0 | 15000 - Cover right |
| 21-0874-0 | 15000 - Cover left |
| 11-2964-1 | 15000 - Cover top |
| 91-3646-0 | 15000 - Assy deco faucet (black) |
| 8421.99-9099 | Ws 15000 stand |

REFRIGERATION

| | |
|-----------|--------------------------------------|
| 91-3616-0 | 15000 - Assy partial condenser - sub |
| 21-0864-0 | 15000 - Compressor |