



OPAL ICE MAKER

814100520A

IMPORTANT SAFETY INFORMATION
READ ALL INSTRUCTIONS BEFORE USING THE APPLIANCE

⚠WARNING To reduce the risk of fire, explosion, electric shock or injury when using your Opal, follow these basic safety precautions.

- Do not, under any circumstances, alter or remove the third (ground) prong from the power cord. For personal safety, this product must be properly grounded.
- Do not exceed power outlet ratings. It is recommended that the ice maker is connected to its own circuit. Use only a 115 V, 60 Hz standard electrical supply that is properly grounded in accordance with the National Electric Code and local codes and ordinances.
- Due to potential safety hazards under certain conditions, we strongly advise against the use of an extension cord. However, if you must use an extension cord, it is absolutely necessary that it is a UL-listed, 3-wire ground type appliance extension cord having a grounding type plug and that the electrical rating of the cord be 15 Amperes (minimum) and 120 Volts.
- This product must be properly installed and located in accordance with the installation instructions before it is used. Product is for indoor household use only. Do not use outdoors.
- Do not store or use flammable vapors or liquids near this product.
- Do not allow children to climb, stand, or hang on the ice maker. They could seriously injure themselves.
- Do not use with water that is micro-biologically unsafe or of unknown quality.
- Place power cord in such a way it cannot be pulled on by children or cause a tripping hazard.
- Place power cord in such a way that it is not in contact with hot surfaces.
- Do not operate if any component, including the cord or plug, is damaged.
- Unplug the product before cleaning by hand and when not in use.
- Do not immerse any part of the product in water.
- Do not plug or unplug product with wet hands.
- Do not attempt to disassemble, repair, modify, or replace any part of your product.
- Use this product only for its intended purpose as described in this user manual.
- Do not use any accessories not recommended by the manufacturer.
- When handling, installing, and operating the appliance, care should be taken to avoid damage to the refrigerant tubing.
- Servicing shall be performed by factory authorized service personnel and component parts shall be replaced with manufacturer authorized replacement components.
- If the SUPPLY CORD is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Fill with potable water only.

⚠CAUTION To reduce the risk of injury when using your Opal, follow these basic safety precautions.

- Do not remove any safety, warnings, or product information labels from your ice maker.
- Lifting Hazard: It is recommended to have two people move and install the ice maker in order to prevent injury.

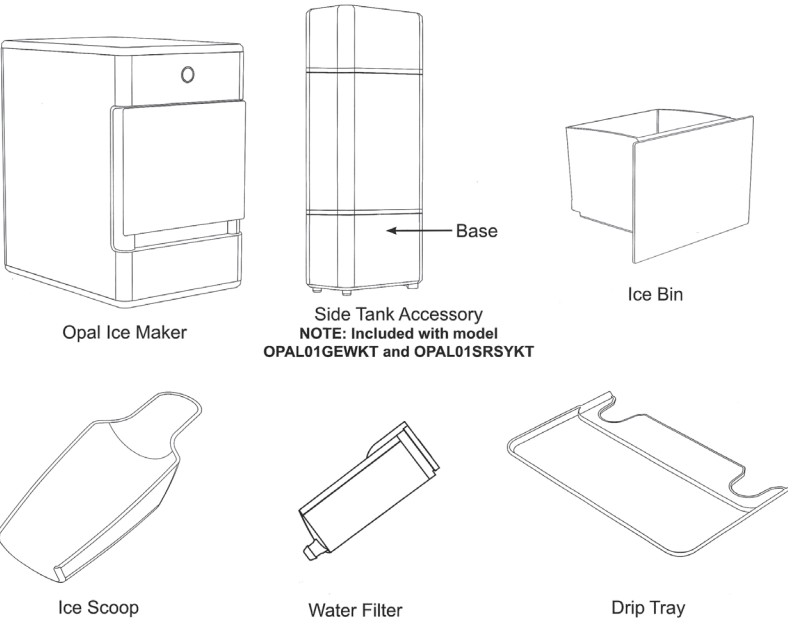
⚠WARNING **FIRE OR EXPLOSION HAZARD Flammable Refrigerant**

This appliance contains isobutane refrigerant, also known as R600a, a natural gas with high environmental compatibility. However, it is also combustible. Adhere to the warnings below to reduce the risk of injury or property damage.

- When handling, installing, and operating the appliance, care should be taken to avoid damage to the refrigerant tubing.
- Service shall only be performed by authorized service personnel. Use only manufacturer-authorized service parts.
- Dispose of refrigerator in accordance with Federal and Local Regulations. The flammable refrigerant and insulation material used in this product require special disposal procedures. Contact your local authorities for the environmentally safe disposal of your refrigerator.
- Keep ventilation openings in the appliance enclosures or in the built-in structure clear of obstruction.
- To remove frost, scrape with a plastic or wood spatula or scraper. Do not use an ice pick or a metal or sharp-edged instrument as it may puncture the freezer liner and then the flammable refrigerant tubing behind it.
- Do not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer.
- Do not use any electrical device to defrost your appliance.
- Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- Do not damage the refrigerant circuit. This warning is only applicable for appliances with refrigerating circuits which are accessible by the user.

READ AND SAVE THESE INSTRUCTIONS

Parts Included



NOTE: The images shown in this manual are for illustrative purposes only and may be subject to change. Accessory type and quantity may vary depending on the model.

Getting Started

Installation Requirements

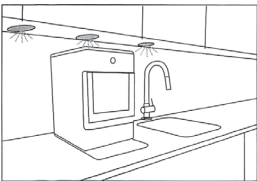
⚠CAUTION Lifting Hazard: It is recommended to have two people move and install the ice maker in order to prevent injury.

- Product is designed to be installed indoors. Do not use your ice maker outdoors.
- Product must be installed upright on a flat, level surface that is able to support the total weight when full of water.
- Ensure a minimum of three inches (3") clearance around the side and back walls of the ice maker for proper air circulation.
- Install the product in a well-ventilated area with an ambient temperature between 55°F and 90°F.
- Do not place the product near heat sources such as ovens or cooktops.
- Do not place the product in direct sunlight.

Prepare Opal For Use

- Carefully remove packing material. Do not use sharp tools that can damage the box contents.
- Ensure all components are present. If any item is missing, please contact a service center.
- Place the ice maker upright on a flat, level surface and plug it in.
- Install drip tray by sliding it under the front edge of Opal. The tray slots should align with the front feet of Opal.
- Rinse the ice maker with clean water for five minutes before first use. Start with step 4 of cleaning instructions. It is not necessary to use bleach for the first rinse.

⚠NOTICE Some types of under-cabinet lamps can be hot enough to cause damage to your Opal top's appearance.



Care and Cleaning

To keep your nugget ice tasting fresh and your Opal looking great, we recommend cleaning/sanitizing your Opal at least once per week.

To clean the exterior of the ice maker, unplug the product, then use a soft cloth dampened with soapy water to gently clean the exterior surfaces. Dry with a soft cloth.

The exterior stainless steel surfaces can be cleaned with commercially available stainless steel cleaner. Use only a liquid cleaner free of grit and rub in the direction of the brush lines with a damp, soft sponge. Do not use appliance wax, polish, solvents, or chemicals on the stainless steel. Do not use soap to clean the reservoir. Use a soft cloth moistened with water.

⚠WARNING Chemical Exposure Hazard, when cleaning with bleach, use bleach in a well ventilated area and avoid mixing bleach with other household cleaners.

⚠WARNING Unplug the product before cleaning by hand, and when not in use.

⚠WARNING **Scalding Hazard**
Water temperatures coming from tap are dependent on water heater settings. Water temperatures above 125°F (52°C) can cause severe burns from scalding. Children, the disabled, and the elderly are at highest risk of being scalded. Use caution when descaling with hot water.

System Cleaning / Sanitizing Procedure

To clean Opal's internal components, complete the following steps:

- Unplug Opal.
- Remove water filter (if present), and replace with the reservoir's screened intake cap. See Figure 1
- Drain Opal. Continue reading for more details.
- Plug in Opal and slide the rear switch to the "CLEANING" position. See figure 2.
- The display ring will light up yellow and pulse. See figure 3.

NOTE: Do not use soap to clean the water reservoir.

- Create a solution of five cups of water and one tsp household bleach. Continue reading the instructions on how to remove hard mineral deposits. For best results, add 1 packet of Opal Citric Acid Powder Descaler to a full inner reservoir of hot water.

- Pour solution into water reservoir. Empty 1 pack of descaling powder into the water reservoir. See figure 4.

NOTE: Descaler not included.

- Touch the display button to start the cleaning process, the light will start to spin and you will hear water circulating. After three minutes the water will stop and the light will begin to pulse again.

- When the light pulses, drain Opal.

- Unhook the top of the drain hoses at the back of the unit. See figure 5.

- Then lay them down to drain into a sink or bucket that is below the level of the ice maker. See figure 6 and 7.

- Remove the plugs and allow the water to completely drain. See figure 7.

- Once water stops flowing, re-insert the drain plugs.

- Add five cups of fresh water to the water reservoir, and touch the button. The light ring is divided into four sections to indicated each stage. Successive quarters of the ring will become brighter with each rinse cycle.

- Rinse three times with fresh water. Repeat steps 8 through 14 two more times, adding fresh water to the reservoir each time. (You may continue to repeat the rinse cycle, for as many times as you like.

- Replace drain tubes on back. See figure 8.

- When complete, slide the rear switch back to "Ice" mode. See figure 9.

Removal of Mineral Deposits

- Fill the reservoir with white vinegar to the max fill line and run up to three cleaning cycles. Or purchase an Opal Cleaning Kit and follow instructions inside.
- If using vinegar, leave the vinegar in the unit for 18 hours and set a vinegar-soaked towel on the ice chute overnight to further dissolve any mineral buildup. See figure 10.
- Clean the sensors with vinegar and wipe clean with water. After draining the vinegar, run three rinse cycles, using fresh water for each rinse. See figures 11, 12, and 13 to reference location of the sensors. Appearance may vary based on model.

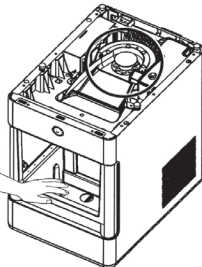


Figure 11

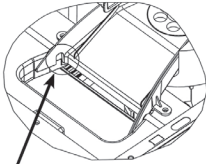


Figure 12

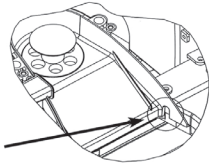


Figure 13

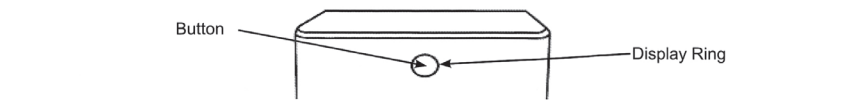
Cleaning the Bin and Tray

To clean the ice bin, remove the ice bin from the ice maker and clean with a soft cloth dampened with soapy water. Rinse thoroughly. Dry with a soft cloth. **Do not use solvents or chemicals.**

The drip tray should be wiped dry. Water left in this area may leave deposits. To clean the drip tray, remove the tray from Opal and use a soft cloth dampened with mild soapy water to gently clean the surface. Dry with a soft cloth. **Do not use solvents or chemicals.**

Understanding the display

Opal uses an innovative light ring to let you know what it is doing.



Button

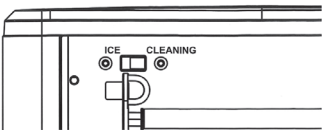
Touch once to turn Opal ON or OFF
Touch and hold for 3 seconds to dim the interior lighting if desired.

Display Ring

Displays status of the Opal ice maker. See below for details.

Mode switch (located on back)

Switch in "Ice" position places Opal in ice making mode.
Switch in "Cleaning" position places Opal in cleaning mode.



White



Falling White: Opal is currently making ice.

White



Solid white: Ice bin is full. Opal is no longer continuing to make ice.

White and blue



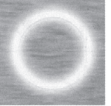
Switching blue: Opal needs more water

White and Yellow



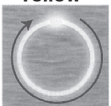
Flashing yellow light top left corner: After 100 hours of making ice, alerts user to descale.

Yellow



Pulsing yellow: Opal is in cleaning mode, awaiting drain and refill confirmation

Yellow



Rotating yellow: Opal is rinsing (cleaning mode)

White



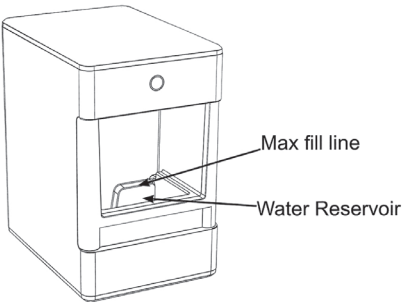
Slowly falling white: Opal is defrosting. Please do not unplug or turn off, this takes 30 minutes.

NOTE: The images shown in this manual are for illustrative purposes only and may be subject to change, the actual descriptions of control panel and their locations may vary depending on the model.

Making Ice with Opal

Once Opal has been cleaned/sanitised, move the ice maker to its desired location and complete the following steps.

- Remove ice bin.
- Fill reservoir with potable (safe to drink) water up to the "Max Fill" line. Water hardness must be less than 12 grains per gallon. Do not fill reservoir with any liquid except water. Using any liquid except potable water is misuse and will void your warranty.
- Plug the ice maker into a grounded outlet.
- Touch the display button to start the ice maker. The display will flash green to indicate the ice maker is ON, then transition to the falling white display.
- Opal will begin to produce ice in 10 minutes. It will continue to make ice until the bin is full, or it runs out of water. To continue making ice, just add more water.



Draining Opal

We recommend draining your Opal when:

- You put it away or anytime it's being relocated
- You turn it off for more than a few days. (i.e. vacation)
- You are not using much ice. Continous recirculation of meltwater may affect taste. For best results, drain your Opal.

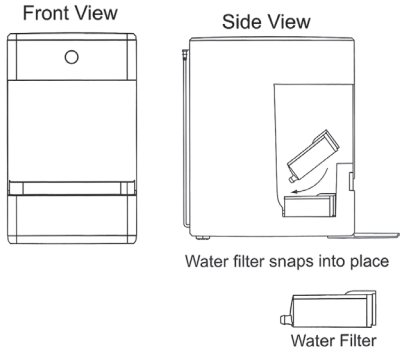
Water Filter

The Opal Water Filter, is available at GE Appliances and is the only water filter compatible with Opal. Please follow the installation instructions included with your filter.

NOTE: Remove your water filter (if installed) and reinstall the screened intake cap prior to cleaning your Opal.

INSTALLATION INSTRUCTIONS

- Remove the mesh screen that came installed in your Opal. This screen is located in the lower left corner of the Opal water reservoir.
- Make sure you save this mesh screen for use when no water filter is installed.
- Insert your Opal water filter into the hole where the mesh screen was installed. Be sure the filter plug is facing away from you, and the finger grips are closest to you.
- It is best to position the filter at a vertical 45 degrees angle for easiest installation. Once the filter plug is inserted completely, push the filter down until you hear a clicking sound.
- You will know the filter is in place when you hear the click and the filter feels secure in the machine.



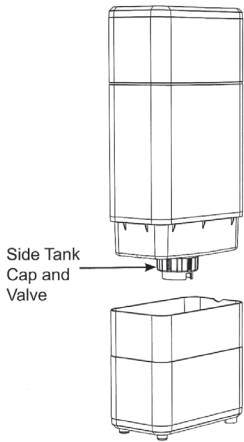
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Side Tank Accessory

NOTE: There are two drain tubes located on the back of your Opal Nugget Ice Maker indicated as drain tube A and B in the illustration.

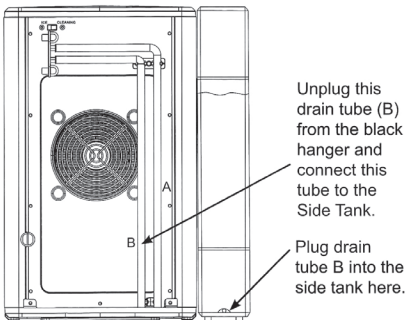
- Hand Wash Only: Rinse and hand wash Opal Side Tank with warm water and a mild dish soap. Remove Opal Side Tank's cap and wash the cap and rubber valve with water and a mild dish soap. The Side Tank base can be washed by disconnecting the hose and adding a small amount of soapy water to it. Scrub as needed and rinse thoroughly. The rinse water should drain out the port in the back.

Rinse the cap, rubber valve, tank and the base well to remove any residual soap (see illustration).



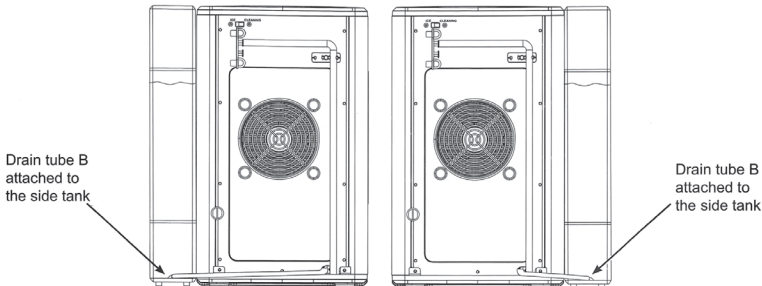
DO NOT WASH THE SIDE TANK IN THE DISHWASHER.

- Unplug Opal Nugget Ice Maker. Unhook Opal's drain tubes and drain the water from the reservoir.
- Connect drain tube, labeled B, to the back of Opal Side Tank's base.
- Make sure drain tube (A) is connected to the black hanger and installed on the back of Opal.
- Make sure drain tube (B) connecting to the Side Tank is resting flat on the countertop.



- Place Opal Side Tank against the Opal Nugget Ice Maker so that the Side Tank magnets attach to the ice maker. Your Opal Side Tank can be installed on either side of your Opal Nugget Ice Maker.

NOTE: Care should be taken to connect the correct drain tube to the Opal Side Tank. Drain tube (B) should always be connected to the Side Tank whether it is installed on the left or right side of the Opal Nugget Ice Maker.



- Remove Opal Side Tank's clear reservoir from its base.
- Unscrew Opal Side Tank's cap from the reservoir. Fill the clear reservoir with water.
- Replace Opal Side Tank's cap. Ensure the cap is clean when installing.
- Carefully flip over Opal Side Tank's reservoir and place in the base. Water should start flowing into the Opal Nugget Ice Maker and bubbles in the Opal Side Tank will appear periodically during the time water is flowing to the ice maker.

NOTE: If water does not appear to flow into the ice maker, please check for the following:

- There may be bubbles in drain tube (B) connecting the Side Tank to the Opal.
- Tube (B) is not lying flat.

If either of the above issues are present, adjust tube (B) to allow the water to flow.

- Fill Opal Nugget Ice Maker's reservoir.
- Plug in Opal Nugget Ice Maker, and begin making ice.

⚠ WARNING To reduce the risk of electrical shock or injury when using your Opal, follow these basic safety precautions:

- Unplug the product before cleaning by hand and when not in use.
- Do not use with water that is microbiologically unsafe or of unknown quality.
- Use caution when filling and installing Opal Side Tank, as filled unit may be heavy.
- Do not use this side tank for any liquid other than water.
- Children should not fill or install Opal Side Tank, as filled unit may be heavy.
- Make sure that Opal Nugget Ice Maker is unplugged when draining reservoir and installing Opal Side Tank.
- Ensure that Opal Side Tank is installed on a level surface that will be stable even when Opal Side Tank is full.
- Make sure the cap of the Side Tank remains clean during filling and operation. Hands should be washed and clean prior to opening and closing the cap.

Use and Care

Cleaning the Side Tank

- Remove and drain the Side Tank.
- If there is residual water in Opal Side Tank base unit, flip Opal Side Tank's base to drain.
- Remove and wash Opal Side Tank's cap and valve with dish soap and warm water as needed. Ensure the cap is clean after removing and re-installing by hand.
- Only remove drain tubes while near a sink or bucket, as removing drain tubes from Opal or Opal Side Tank will drain any water in either unit.

Proper Installation and Location

The side tank should be installed flush to the front of the Opal Nugget Ice maker so that it does not block the airflow vents on the Opal Nugget Ice maker. Opal Side Tank needs to sit on the same level surface as your Opal Nugget Ice Maker. Do not elevate Opal Side Tank, or your Opal may overflow.

To Remove Mineral Deposits:

Mix two quarts of water with two quarts of vinegar, OR use the Opal Cleaning Kit.

Clean any visible mineral buildup or deposits with this solution. If deposits are present in the tank, fill the tank with this solution and let soak. Be sure to drain and rinse the tank thoroughly after cleaning. Stubborn deposits may require more than one treatment.

Side Tank Troubleshooting

If water does not flow from the Side Tank to the Opal Ice Maker:

There may be bubbles in the tube connecting the side tank to the opal or it is not lying flat. Try adjusting the tube to allow the water to flow. Once water starts flowing it typically will not need further adjusting.

NOTE: In order to ensure the highest possible standard for refurbished items, all units are thoroughly inspected as part of the process. For this item, water may be used during the refurbishing process and so; you may notice some condensation in the water reservoir. It is recommended to rinse the water reservoir with fresh water prior to its first use.

TROUBLESHOOTING Normal Operating Sounds

Your new ice maker may make sounds that are not familiar. Most of these sounds are normal. Hard surfaces like the floor, walls, and countertops can amplify these sounds. The following describes the sounds that may be new to you and what may be creating them.

- WHIR** - When Opal is first turned on, you may notice the condenser fan spinning.
- BUZZ** - When the water pump first turns on, it may be dry and slightly noisy. Once it is filled with water, the noise reduces significantly.
- RATTLE** - Rattling noises may be produced from the flow of the refrigerant. These noises should reduce significantly once the refrigerant system has stabilized.
- GURGLE** - When the refrigerant system shuts off, there may be a brief gurgle as the refrigerant stops flowing.
- HUM** - The compressor is a motor. It produces a low

toned humming sound while it is running.

- CLICK** - As nugget ice is produced, it drops into the ice drawer. The first nuggets produced are the loudest, as they impact the bottom of the ice bin. As the bin fills, this noise reduces significantly.
- SQUEAK** - When Opal is in need of defrosting, it may start to squeak as ice starts to build up around the mechanisms. The defrost cycle is automatic, and may take 30-45 minutes. During this time, the front button won't respond.

Radio Frequency Interference

This product has been tested and found to comply with the limits set forth in Title 47 CFR Part 15 - Radio Frequency Devices. Operation is subject to the following conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. This product generates, uses, and can radiate radio frequency energy, and if not used in accordance with the instructions, may cause harmful interference to radio communications. If this product does cause harmful interference to radio or television reception, which can be determined by unplugging Opal, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the TV or radio antennas.
 - Increase the distance between the product and TV or radio.
 - Plug Opal into a separate outlet from a radio or TV.
- The transmitter must not be co-located or operating in conjunction with other antennas or transmitters.

Ice Maker Product Specifications

Description of product	Portable nugget ice maker
Voltage/Frequency	120V AC/60Hz
Current	2.5A
Ice storage capacity	3.0 lbs
Ice making rate	*33 lb./day 1.38 lb./hr. @70 °F ambient / 60F Water *28.4 lb./day 1.18 lb./hr. @ 90 °F ambient / 70F Water per DOE
Dimensions (width x depth x height)	10.5 in x 14 in x 17 in
Installation clearance (sides and back)	3 in
Operating environment	55°F - 90°F
Weight (when empty) Ice maker + Side tank	37.7 lbs
Weight (when empty) Ice maker only	34.8 lbs
Weight (when empty) Side tank only	3.1 lbs

NOTE:Technical data and performance information provided for reference only.

Specifications are subject to change. Check the rating label on your ice maker for the most accurate information.

*The actual quantity of ice produced will vary with environmental conditions.

Note: Products containing refrigerants

This product contains a refrigerant, which under Federal Law must be removed prior to product disposal. If you are disposing this, or any refrigeration product, check with your local waste company for guidance.