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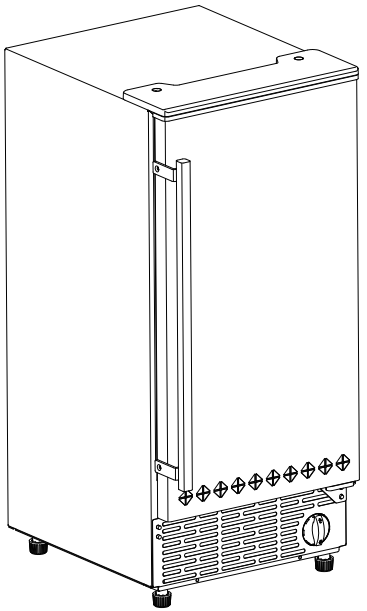
ICEPURE®

BUILD-IN ICE MAKER WITH FILTER

# Model: YD-QZ001

# PRODUCT INSTRUCTION MANUAL



Please read this owner's manual carefully before operating the unit.

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# Important Safety Instructions

When using electrical appliances, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury or property damage.

1. Read all instructions before using the appliance.
2. The ice maker must be installed properly according to the installation instructions.
3. Use the appliance only for its intended purpose as described in this owner's manual.
4. Do not use the appliance outdoors. Keep it away from direct sunlight and ensure there is at least 6 inches of space between the back of your appliance and the wall, keeping the front unobstructed.
5. Keep ventilation openings in the appliance's exterior or built-in structure free of any obstructions. Do not tip the unit over, which may cause abnormal noise and irregular ice cube sizes. More seriously, it may lead to leaks.
6. The unit's location must allow the plug to be accessible. Do not run the power cord under carpeting or other insulators. Do not cover the power cord. Keep the cord away from traffic areas, and do not immerse it in water. No other appliances should be plugged into the same outlet, and ensure the plug is fully inserted into the outlet.
7. We do not recommend using an extension cord as it may overheat and cause a fire hazard. If you must use an extension cord, use one with a minimum size of No.14 AWG and rated not less than 1875watts.
8. If the power cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified personnel to avoid a hazard.
9. Unplug the appliance from the power outlet when not in use for long periods.
10. Disconnect the appliance from the power supply before cleaning or servicing it.
    **NOTE:** If the appliance requires servicing for any reason, we strongly recommend having it performed by a certified technician.
11. Never pull on the power cord. Always firmly grasp the plug and pull it directly out from the outlet.
12. If the unit has been brought in from outside during winter, allow it several hours to warm up to room temperature before plugging it in.
13. Do not use liquids other than water to make ice cubes.
14. Do not clean the ice maker with flammable liquids. These fumes can create a fire hazard or cause an explosion.

**This unit is certified by ETL and FCC.**

C ETL LISTED US
Intertek
5033700
CONFORMS TO UL STD.
60335-1&60335-2-89
CERTIFIED TO CSA STD.
C22.2 NO.60335-1&60335-2-89

FCC ID: 2ANDL-WBR3


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**WARNING:** This appliance must be grounded. Use a 110-120V/60Hz grounded power source.
**WARNING:** This appliance must be grounded. Use the appropriate power supply as indicated on the nameplate.
**WARNING:** Maintain ventilation openings in the appliance's casing or built-in structure, and ensure they are free of obstructions.
**WARNING:** This appliance is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning the safe use of the appliance by a person responsible for their safety.
**WARNING:** Children should be supervised to ensure that they do not play with the appliance.
**WARNING:** Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
**WARNING:** There is a risk of fire or explosion due to the use of flammable refrigerants. Do not damage the refrigerant circuit.
**DANGER:** Risk of fire or explosion. Flammable refrigerant used. Do not use mechanical devices to defrost the ice maker. Do not puncture refrigerant tubing.
**DANGER:** Risk of fire or explosion. Flammable refrigerant used. Service must be performed only by trained service personnel. Do not puncture refrigerant tubing.
**WARNING:** Risk of fire or explosion. Flammable refrigerant used. Consult the repair manual / owner's guide before attempting to install or service this product. All safety precautions must be observed.
**WARNING:** Risk of fire or explosion. Dispose of the property according to federal or local regulations. Flammable refrigerant used.
**CAUTION:** Puncturing refrigerant tubing poses a risk of fire or explosion; handle with care. Flammable refrigerant used.
**IMPORTANT:** The ice maker should be installed according to ASHRAE15 refrigeration system safety standards. The ice maker should not be installed in hallways or corridors of public buildings.
**IMPORTANT:** If the unit requires servicing, replacements, or repairs, they should be performed by factory-authorized service personnel to reduce the risk of ignition due to improper parts or service.
**IMPORTANT:** This appliance is intended for household and similar applications such as:
- Staff kitchen areas in shops, offices, and other working environments;
- Farmhouses and by clients in hotels, motels, and other residential-type environments;
- Bed and breakfast-type environments;
- Catering and similar non-retail applications.


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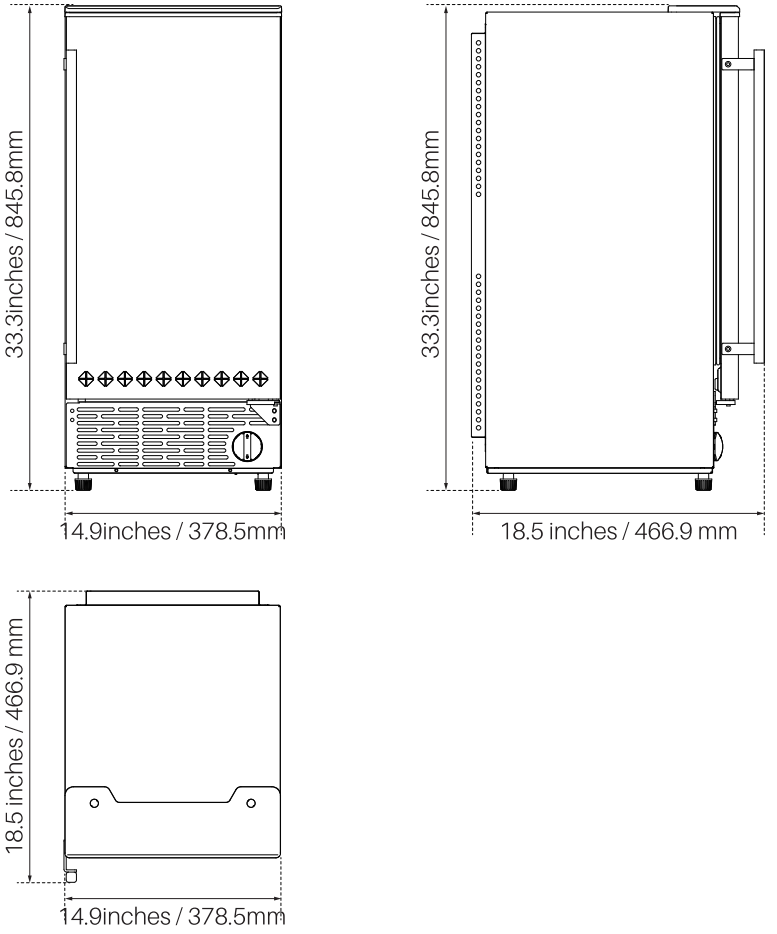
**IMPORTANT:** The wires in this power cord are colored in accordance with the following code:
- Green or green with yellow stripes: Ground
- White: Neutral
- Black: Live

**IMPORTANT:** To avoid the danger of instability, the appliance must be placed on a flat or level surface.

# Getting to Know Your Unit

## Dimensions

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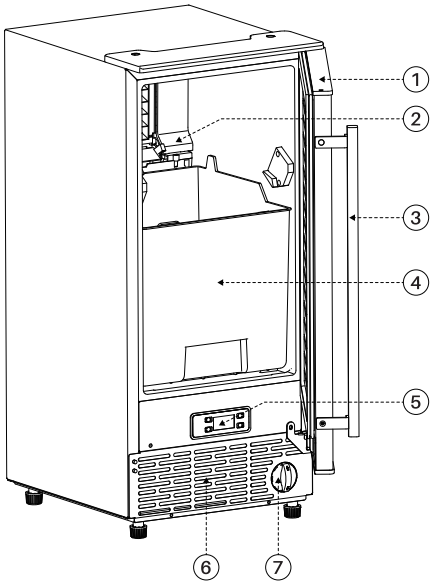
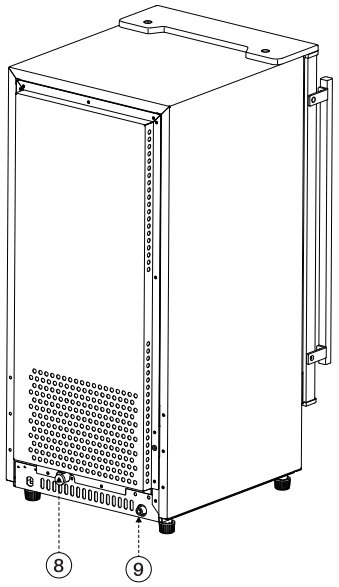
## Unit Outline




1. Door
2. Ice-making & its water tank assembly: Including ice-making evaporator, water tank, water pump and some detecting parts
3 . Handle
4. Ice tank
5. Operation panel
6. Air outlet: Must keep the air circulate smoothly, hot air will blow out when unit running.
7. Filter cartridge installation port
8. Water draining port: Connect the drain pipe. The other end of the drain pipe should be connected to the drainage system. If the drainage outlet is on the wall, it must not be higher than 50cm/19.7inch from the ground.
9. Water inlet port for water supply: Use to connect the water supply pipe.

Accessory: 2 meters long and gray color water drain pipe
water quick connector of the water faucet
¢6.35mm diameter water supply pipe(3meters long).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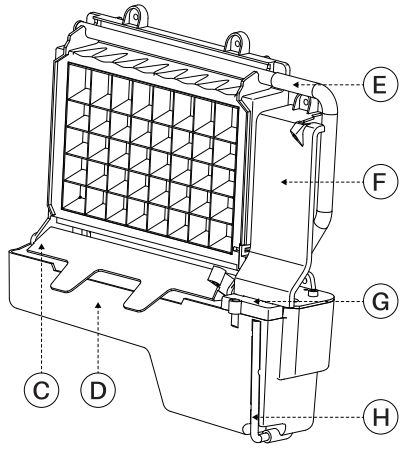
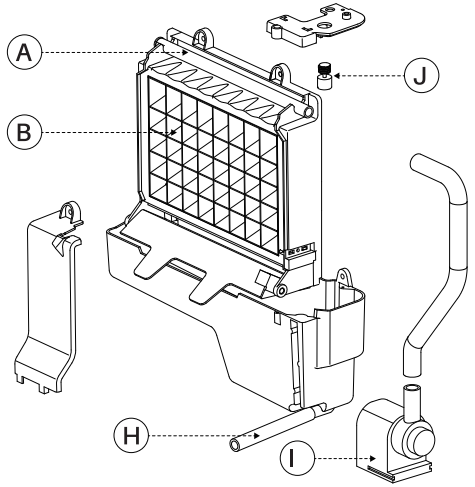
## Ice Production and Water Tank Components




Water dividing pipe: With eight little holes, water flows out smoothly. After prolonged use, limescale buildup may clog the pipe, blocking water flow. In this case, it can be disassembled and cleaned.

A. Water supplying pipe.
B. Evaporator (ice-making module).
C. Ice full detecting board: Use to detect the inner cabinet is full of ice or not, and to check the the ice-harvest process is over or not.
D. Water tank.
E. Water distribution pipe.
F. Cover board on the right side of the evaporator.
G. Water level switch installing plate.
H. Water drain pipe of the water tank: when ice-making, this pipe should be clamped in the slot of the water tank wall; And when draining, this pipe should be pulled out.
I. Water pump.
J. Water level detecting switch.

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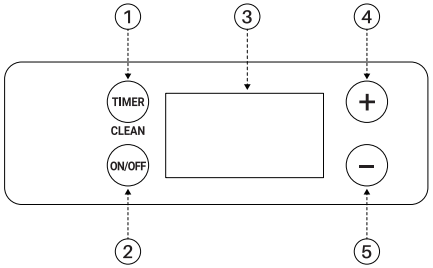
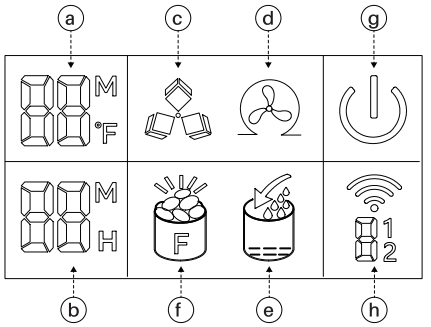
# Operation Panel




① TIME/CLEAN Button

·When no timer is set, press this button once to enter the timer setting mode, with the default time displayed as "1H."

·When a timer is set, press this button once to enter the timer setting mode, displaying the remaining time.

·While in the timer setting mode, press this button once to exit the timer setting display and cancel the previously set timer.

·When the device is in standby mode, press and hold this button for 5 seconds to enter the cleaning mode.

② ON/OFF Button

· When the unit is off, press this button to turn it on.

· During the self-cleaning process or normal ice-making mode, press this button to turn off the unit immediately.

· When the unit is making ice, press and hold this button for more than 5 seconds to force the unit to switch to the ice harvesting process.

③ LCD Display

a. Displays the ambient temperature and ice-making countdown time. The countdown is displayed in minutes (M), and the ambient temperature is displayed in Fahrenheit (F).

b. Settings Display: "H" indicates timer settings for delayed on/off, and "M" indicates ice thickness adjustment time.

c. Ice Making Symbol Display: When the machine is making ice, the symbol rotates. When the machine is in the ice-releasing process, the symbol flashes. When the ice bin is full or there is a water shortage, the symbol remains solid.

d. Automatic Cleaning Symbol Display: When the automatic cleaning function is activated, the symbol rotates. When the water inlet valve is open and adding water, the symbol remains solid.

e. Water Inlet and Water Shortage Display: A flashing arrow indicates the machine is filling with water. When there is a water shortage, the entire symbol lights up.

f. Ice Full Alert: When you remove ice, the machine will resume ice production.

g. On/Off Symbol Display.

h. WiFi & Error Indicators

Wi-Fi Display: When the icon flashes, it indicates that the phone is not connected to the machine. When the icon stays lit, it means the phone is connected to the machine.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E1 indicates a faulty ambient temperature sensor; E2 indicates an ice-making error or refrigerant leak.

④&⑤ "+" and "-" Buttons

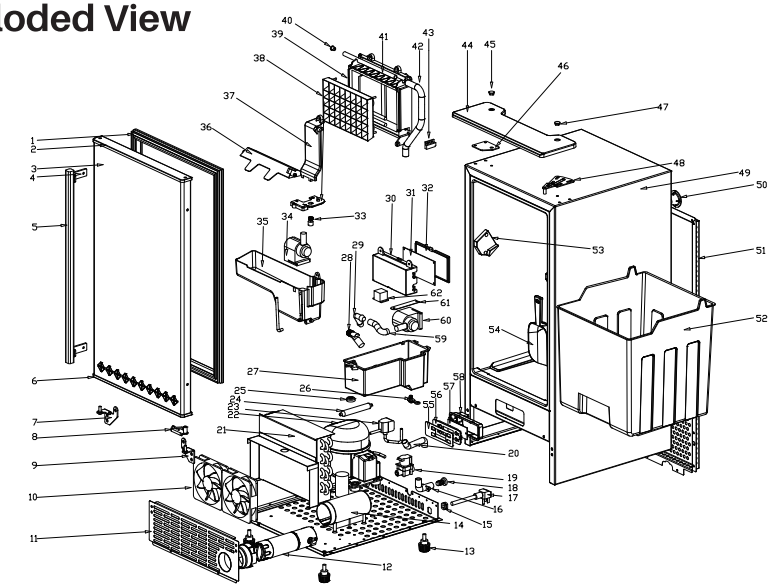
· Used to adjust the duration of the ice-making cycle. The default setting is zero; each press of the "+" or "-" button increases or decreases the time by 1minute.

· Additionally, to adjust the delay time for the timer, the default setting is zero; each press of the "+" or "-" button increases or decreases the time by 1 hour.

· Press and hold the '+' button for 5 seconds to activate the WiFi function and set the machine to pairing mode.

· Press and hold the "-" button for 5 seconds to switch the ambient temperature display between Fahrenheit (°F) and Celsius (°C).

# Exploded View



| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Door Seal | 14 | Filter Sleeve | 27 | Condensate Water Tank | 40 | Plug | 53 | Enclosure limit component |
| 2 | Upper Door Frame Press Plate | 15 | Wire Clip | 28 | Electronic Float Ball | 41 | Water outlet pipe | 54 | Ice shovel |
| 3 | Door | 16 | Drain Outlet | 29 | Drain Connector | 42 | Water suction pipe | 55 | Display sticker |
| 4 | Handle Fixing Bracket | 17 | Power Cord | 30 | Control Board Box | 43 | Hall sensor | 56 | Display screen bracket |
| 5 | Handle | 18 | Drain Plug | 31 | Control Board | 44 | Top cover pressure plate | 57 | Display board |
| 6 | Lower Door Frame Press Plate | 19 | Water Inlet Solenoid Valve | 32 | Control Board Cover | 45 | Screw cap | 58 | Component board fixing box |
| 7 | Left Door Hinge | 20 | Drain Pipe | 33 | Ice-Making Chamber Float Ball | 46 | Pressure plate fastener | 59 | Cold water drainage pipe |
| 8 | Hinge Damper | 21 | Condenser | 34 | Ice-Making Water Pump | 47 | Screw cap | 60 | Drain pump |
| 9 | Right Door Hinge | 22 | Compressor | 35 | Ice-Making Chamber | 48 | Dumpling chain | 61 | Drain pump pressure plate |
| 10 | Cooling Fan | 23 | Defrost Valve | 36 | Ice Outlet Baffle | 49 | Foam enclosure | 62 | Relay |
| 11 | Air Outlet Panel | 24 | Drying Filter | 37 | Side Cover of the Chamber | 50 | Back panel support bracket | | |
| 12 | Filter | 25 | Seal Gasket | 38 | Evaporator | 51 | Rear panel | | |
| 13 | Foot Pad | 26 | Drain Plug Cap | 39 | Support Bracket | 52 | Ice storage box | | |

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# Start to Operate Your Unit

## Unpacking Your Unit

1. **Unpack the Unit:** Remove all internal and external packaging. Check that all accessories are included.

| Name | Quantity |
|---|---|
| Instruction Manual | 1 |
| Ice Scoop | 1 |
| White Water Inlet Hose | 1 |

| Name | Quantity |
|---|---|
| 4-way to 2-way Quick Connector | 1 |
| Drain Hose | 1 |
| Bottom Hinge | 1 |

2. **Remove Tape and Clean:** Remove the tape securing the door, interior cabinet, and ice scoop. Use a damp cloth to thoroughly clean the interior cabinet and ice scoop.
3. **Position the Ice Maker:** Place the ice maker on a flat surface, away from direct sunlight and other heat sources (e.g., stoves, ovens, heaters).
   Ensure there is at least 400mm/15.8inchs of clearance between the vents and any obstructions, 150mm/6inches of space between the unit and the wall.
4. **Let the Unit Settle:** If the unit has been transported or moved in an upright position, allow it to stand for 24hours before plugging it in.
5. **Ensure Proper Placement:** The location of the unit should allow easy access to the power outlet.

**WARNING:** Connect only to a potable water supply. Use only drinking water.

## Safety Requirements and Connection Instructions

**WARNING:** The unit must be grounded. Plug the grounding prong into a grounded wall outlet. Do not remove the grounding prong.

Electrical Safety:
- Use a dedicated circuit for your ice maker. Avoid using adapters or extension cords.
- Never use an extension cord.
- Failure to follow these instructions may result in death, fire, or electric shock.

Installation Notes:
- Before moving the ice maker to its final location, ensure you have access to the power supply.
- It is recommended to use a separate circuit dedicated solely to your ice maker. Use an outlet that cannot be easily turned off with a switch. If you need to replace the power cord or plug, have it done by a qualified service technician.
- The unit requires a standard 110-120 volt, 60 Hz power outlet with proper grounding.


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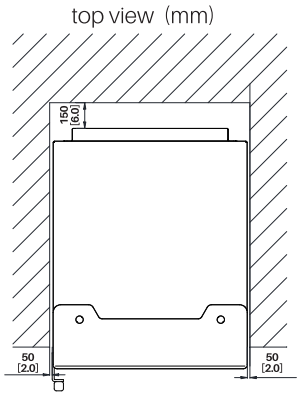
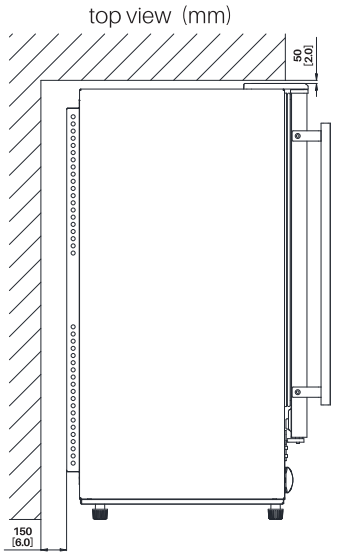
Recommended Grounding Method:
- For your safety, the unit must be properly grounded. The appliance comes with a power cord equipped with a grounding plug. To reduce the risk of electric shock, plug the cord into a properly grounded wall outlet in accordance with national and local electrical codes and ordinances. If a suitable wall outlet is not available, it is the customer's responsibility to have a qualified electrician install an appropriate grounding wall outlet.

## Installation Location Requirements

1. **Indoor Use Only:** This unit is not intended for outdoor use. Maintain the recommended ambient temperature and water inlet temperature as specified in the table above. Failure to do so may affect the ice-making performance.
2. **Avoid Heat Sources:** Do not place the unit near any heat sources.
3. **Stable Placement:** Ensure the unit is placed on a solid, level surface.
4. **Proper Clearance:** Maintain at least 150mm/6inches of clearance at the rear for connections and 400mm/15.8inches at the front to open the door and ensure adequate airflow.
5. **No Items on Top:** Do not place any items on top of the ice maker.

**Installation clearance**

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**NOTICE:**
To ensure proper ventilation for your ice maker, the front of the unit must be completely unobstructed (at least 40cm/15.8inches of free space). Allow about 15cm/6inches of clearance at the rear for proper air circulation. The installation should allow the ice maker to be pulled forward for maintenance if necessary.
When installing the ice maker under a counter, follow the recommended spacing dimensions as indicated above. As shown in the diagram, position the electrical, water supply, and drainage systems in the recommended locations. Choose a well-ventilated area where the temperature is above 50°F and below 90°F. The unit must be installed in a location protected from elements such as wind, rain, water spray, or drips. The ice maker requires a continuous water supply with a pressure of 0.04-0.6 mpa as specified in the table above. The water entering the ice maker should be between 41°F and 77°F for normal operation.

## Cleaning and Maintenance

**Before using the ice maker, it is highly recommended that you thoroughly clean it.**

**WARNING**:
· Before performing any cleaning or maintenance operations, unplug the ice maker from the main power supply. (Exception: This does not apply to the ice maker's self-cleaning program.)
· Do not use any alcohol or fumes to clean/disinfect the ice maker. This may cause cracks in the plastic parts.
· Trained service personnel should inspect and clean the condenser at least once a year to ensure the unit operates properly.
· Do not use water jets to clean this appliance.

**CAUTION:**
· If the ice maker has been idle for an extended period, it must be thoroughly cleaned before the next use. Carefully follow any provided instructions for cleaning or using a sanitizing solution. After cleaning, ensure no solution is left inside the ice maker.
· Regular cleaning and proper maintenance will ensure efficiency, high performance, hygiene, and longevity. The recommended maintenance intervals are based on normal conditions. You may want to shorten these intervals if you have pets, use the unit outdoors, or have other special considerations.

**Avoid the Following:**
· Never store anything in the ice storage bin other than ice. Items like wine and beer bottles are not only unhygienic but can also cause issues if labels detach and block the drainage system.


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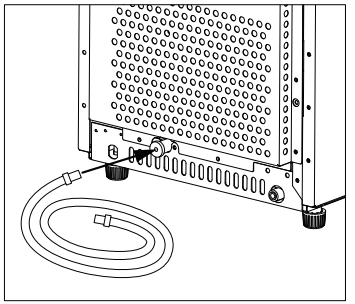
## Machine Drain Hose Connection:

**NOTE:** The two ends of the machine drain hose have different hardness levels—one end is soft, and the other end is hard.

STEP 1: Remove the rubber plug from the drain outlet at the back of the unit.
STEP 2: Insert the soft end of the drain hose into the drain outlet.
STEP 3: Connect the hard end of the drain hose to the sewer pipe.
Note that the highest point of the drain hose should be no more than 0.5 meters.



**Cleaning Steps:**
STEP 1: Open the ice-making door.
STEP 2: Clean with diluted detergent, warm water, and a soft cloth.
STEP 3: Thoroughly clean all internal parts that come into contact with water. Pull out the transparent drain hose for the water tank marked "H" in the diagram to drain the cleaning water from the water tank.
STEP 4:Continue cleaning the internal ice storage compartment until all parts are clean.
After cleaning, please ensure that the machine drain hose is properly connected and the highest point of the drain hose is positioned no higher than 0.5 meters. The unit will automatically drain once the water level is sensed by the electronic float valve in the condensate water tank.

NOTE: After draining, ensure that the transparent drain hose for water tank is properly reinstalled to ensure correct ice-making operation.

**It is also recommended that:**
1. You discard the ice made during the first ice-making cycle after cleaning.
2. The exterior of the ice maker is cleaned regularly with a mild detergent solution and warm water.
3. A clean, soft cloth is used to dry the interior and exterior surfaces.

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## More Detailed Instructions

External Cleaning

1. Use a mild detergent and warm water solution, such as 28g of dishwashing detergent mixed with 7.5L of warm water. Avoid solvent-based or abrasive cleaners.
2. Wipe the door and cabinet with a soft sponge. Rinse thoroughly with clean water.
3. Dry with a soft, clean towel to prevent water spots.
4. Stainless Steel Care: Stainless steel models may discolor when exposed to chlorine. Clean these surfaces carefully using a mild detergent and warm water solution with a damp cloth. Avoid abrasive cleaners.
5. Discoloration Note: Stainless steel models exposed to chlorine and moisture, such as in areas with spas or pools, may experience some discoloration. This is normal for stainless steel in such environments.

Internal Cleaning

Ice Storage Bin:

The ice storage bin should be disinfected occasionally. Clean the bin before first use and after long periods of inactivity. After cleaning the ice-making system, empty the storage bin for easier disinfection.

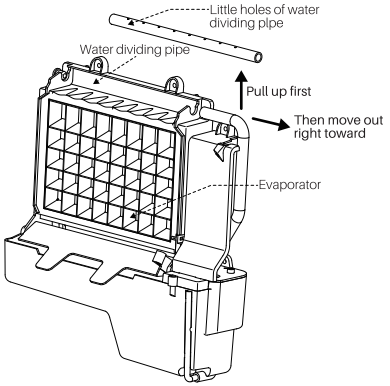
1. Disconnect the unit from the power supply.
2. Open the door and wipe the interior with a clean cloth using a disinfectant solution made from mild cleaner.
3. Rinse thoroughly with clean water. The waste water will drain through the drain hose.
4. Reconnect the unit to the power supply.

The ice scoop should be cleaned regularly. Wash it as you would any other food container.

## Cleaning Ice Maker Components

Regularly clean these main systems of your ice maker during
use to ensure optimal performance.

1. **General Cleaning:** Follow the steps outlined previously to clean the water reservoir and other internal components of the unit.
2. **Water Distributor Pipe:** Pay special attention to the water distributor pipe on the evaporator. If the compressor and water pump are functioning properly but no water is flowing from the distributor pipe, or if the water flow is minimal, the distributor pipe needs to be cleaned. Carefully clean each small hole on the distributor pipe, as shown in the illustration, to ensure there is no blockage. Reinstall the distributor pipe once it's clean.





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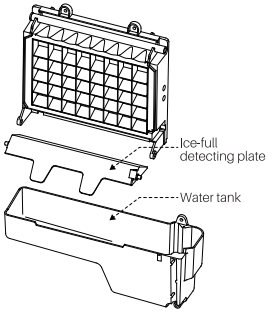
3. **Evaporator Surface Cleaning:** If there is ice on the evaporator surface that is not easily dislodged, do not attempt to remove it forcefully. Instead, press the "On/Off" button for more than 5 seconds to initiate the defrost process. After a short time, the ice should fall off. Then, turn off the unit, unplug the power cord, and clean the evaporator surface.




4. **Water Tank and Ice-Full Detection Board:** Maintaining the hygiene of the water tank and ice-full detection board is crucial for keeping your ice sanitary. Spray a mixture of neutral detergent and water onto all the inner surfaces of the water tank and the ice detection board. Wipe these surfaces with a clean cloth as thoroughly as possible. Then, spray clean water on the surfaces and wipe them dry. Drain the cleaning water by pulling out the water tank drain hose labeled "H" in the illustration. Once all the cleaning water has been drained, reinstall the drain hose to the water tank.

**Recommendation:** After cleaning the internal components and reinstalling them, discard the first batch of ice produced by the machine.

## Using Nickel-Safe Cleaner for the Ice Maker System

Over time, minerals removed from water during the freezing cycle can form hard, scaly deposits in the water system. Regular cleaning helps remove these mineral deposits. How often you need to clean the system depends on the hardness of your water. For water with 4-5 grains per gallon of hardness, you may need to clean the system every six months.

1. Turn off the ice maker: Keep the ice maker connected to the water supply line, but turn off the water supply at the main valve.
2. Remove Ice: Open the door and remove all the ice. Discard it or store it in a freezer or cooler.
3. Prepare Cleaning Solution: Mix Nu-Calgon Nickel-Safe Ice Machine Cleaner with water to create the cleaning solution. Use a plastic or stainless steel container with a capacity of more than 4 liters, and mix 300ml of the cleaner with 2.8 liters of warm water, approximately 120°F-140°F. Divide the solution into two equal parts, ensuring that the temperature of each part is maintained.
   **WARNING:** When using ice machine cleaner or sanitizer, wear rubber gloves and safety goggles (and/or a face shield). Carefully read the safety instructions on the cleaner container.
4. Check and Clean Water Tank: Ensure the water tank drain hose is correctly installed in the slot on the tank wall. Pour one cup of the nickel-safe ice machine cleaning solution into the water tank. Wait about 5 minutes.

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5. Automatic Self-Cleaning Program:
   · Default Cleaning Time: 20 minutes.
   · After connecting all the water hoses and plugging in the power cord, press and hold the "TIMER/CLEAN" button on the control panel for more than 5 seconds. This will start the self-cleaning program. The symbol on the display will rotate, and the countdown timer will display "20M."
   · The "Clean" light will rotate to indicate operation while the water pump runs. The total duration of the self-cleaning program is 20 minutes. This process will flush the water distributor pipe, evaporator, water pump, silicone tubes, water tank, and other components.
6. Drain and Repeat: After completing one 20-minute self-cleaning process, pull out the water tank drain hose and drain the cleaning solution into the lower ice storage bin. Gently shake the unit to drain all the cleaning solution completely. Reinstall the drain hose to the water tank slot.
7. Repeat Cleaning Process: Repeat steps 4-6 to clean the ice maker system once again.
   **WARNING:** Ice machine cleaner contains acid. Do not use or mix it with any other solvent-based cleaning products. Wear rubber gloves to protect your hands and carefully follow the safety instructions on the cleaner container.
8. Final Cleaning: After completing the self-cleaning process, pull out the water tank drain hose and drain the cleaning water into the lower ice storage bin. Gently shake the unit to drain all the water completely. Reinstall the drain hose to the water tank slot.
9. Return to Ice Making: After completing this special cleaning procedure, you can return to the regular ice-making mode. It is recommended to discard the first batch of ice produced.

## Cleaning Recommendations

1. **Daily Cleaning:** Clean the ice scoop, door, and water distributor pipe daily. At the end of each day, wipe down both sides of the door with a clean cloth.
2. **Biweekly Cleaning:** Clean the ice scoop, ice bin, water tank, ice-full detection board, and evaporator surface biweekly according to the internal cleaning procedure.
3. **Biannual Cleaning:** Every six months, clean all parts and surfaces exposed to water or ice, including the ice storage bin, water tank, door, evaporator, water pump, silicone tubes, water distributor pipe, etc., using a nickel-safe ice machine cleaner. These components should be cleaned by service personnel according to the ice maker system cleaning procedure.

**WARNING:**
Do not use solvent-based or abrasive cleaners inside the unit. These cleaners may impart an unpleasant taste to the ice or damage and discolor the interior.


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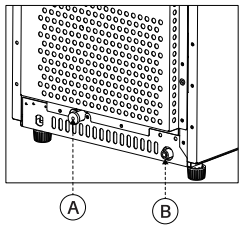
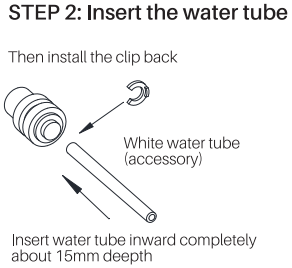
## Connecting the Water Supply to Your Ice Maker

**Important Note:** Ensure that you use the new hose set provided with the equipment for connecting to the main water supply. Do not reuse the old hose set.

**1. Connect the water supply hose to the unit:**
**Step 1:** First, remove the tape on the back of the unit (see figure B below), then press the circle with your other hand's fingers.
**Step 2:** Insert one end of the white water hose into the inlet, push it fully inward, and reattach the clip to secure the hose connection.

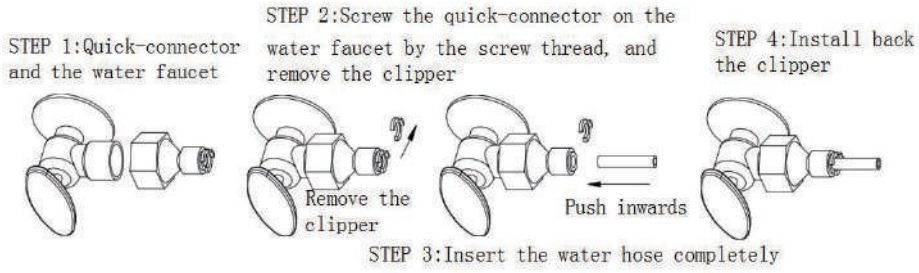
**2. Connect the drain hose.**






Pull out the water drainage cap with black color (indicated Ⓐ in above illustration), then connect the gray drainage pipe included in accessory, again connect the other end of this drainage to the main water drainage pipeline.

**3. Connect the water hose to the main water supply tap:**
· First, install the quick-connect fitting onto the tap using the threaded connector.
· Second, remove the clip from the quick-connect fitting, then fully insert the other end of the water hose into the fitting's port. Reattach the clip on the back to secure the connection. This completes the process.
**NOTE:** The tap should be provided by the customer.
**IMPORTANT:** The water pressure in the main supply system should be between 0.04 to 0.6 MPa.

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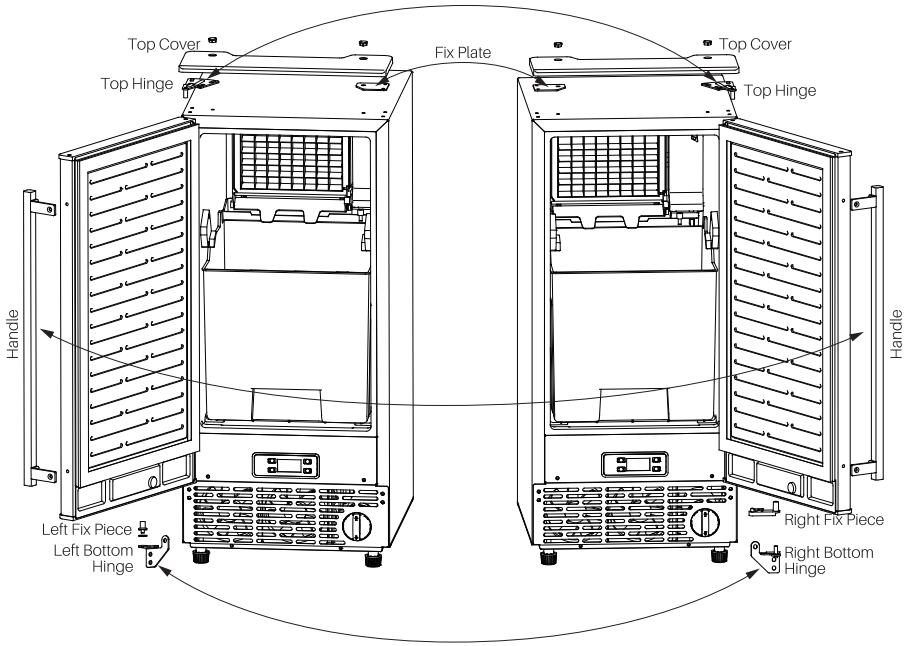
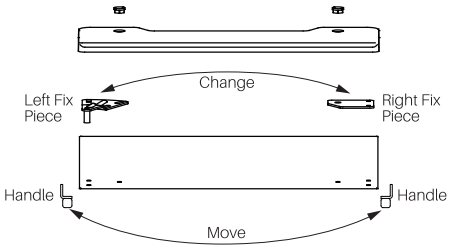
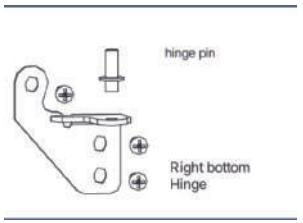
## Door Reversal

If you prefer the refrigerator door to open from the other side, you can reverse the door.




1. Before starting the door reversal, ensure the unit is powered off.
2. Remove the two screw hole covers on the top cover and unscrew the two screws that secure the top cover.
3. Unscrew the two screws from the top hinge and remove the two screws from the mounting plate.
4. Lift the door upwards to remove it from the unit.
5. Place the freezer door on a non-scratching surface with the exterior facing up.
6. Unscrew the two screws from the handle and attach it to the other side of the door. Remove the screws from the right-side mounting bracket, and attach the left-side bracket (from the accessory bag) to the door.





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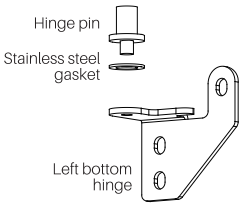
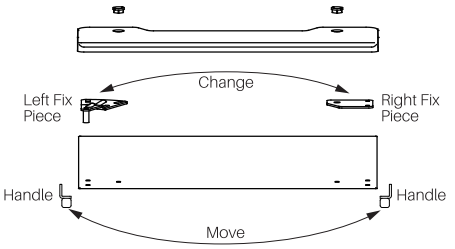
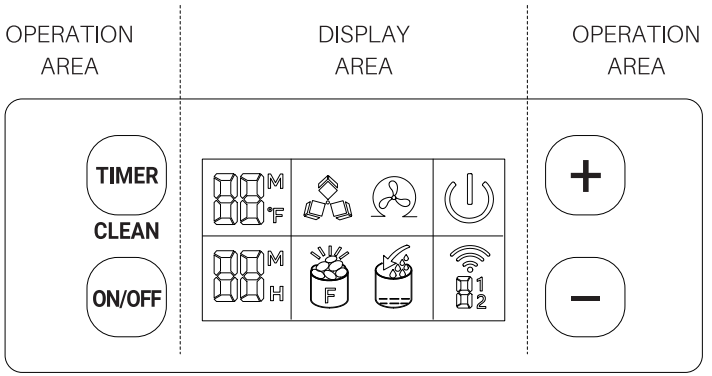
7. Remove the three screws and detach the right lower hinge. Secure the three screws back into place without the hinge.
8. Remove the hinge pin from the right lower hinge and reinstall it onto the left lower hinge.
9. Take out the three screws from the left side and secure the left lower hinge onto the unit.
10. Place the door onto the left lower hinge. After ensuring the magnetic gasket is in place and the door is aligned with the unit, secure the top hinge on the left side with two screws.
11. Open and close both doors several times to confirm proper door alignment and a good gasket seal. If not aligned properly, readjust the door.
12. Reattach the mounting plate on the right side. Secure the top cover with two screws and cover the screw holes with the screw hole covers.
13. Wait at least 30 minutes before plugging in the refrigerator to allow the refrigerant to settle. Then, plug in the unit.




# Operate the Unit





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# Ice-Making Operation

**1. Start-Up:**

· Plug in the power cord. The ⏻ symbol will flash on the display. Press the “ON/OFF” button on the control panel. The external water pipe fills the water tank to the standard water level through the solenoid valve. After the machine completes a defrosting cycle, it will officially begin ice making. The ⏻ symbol will light up continuously on the display, and the symbol will light up, too.

· The ambient temperature will be displayed in the top left corner of the display. For example, "80F" indicates an ambient temperature of 80°F. After a few minutes, a flashing number will appear in the temperature display area, indicating the remaining time for the ice-making cycle. For instance, "10M" means 10 minutes remain to complete the cycle.

**2. Ice-Making Cycle:**

· After each ice-making cycle, the unit will enter a de-icing process. The symbol will flash, and the external water pipe can add water to the tank via the solenoid valve. The arrow symbol on the tank will flash until the water reaches the standard level, then the symbol will disappear, and the unit will begin the next ice-making cycle. If the water does not reach the standard level, thesymbol will remain lit, and the unit will stop working. After a water shortage, the unit needs to be restarted manually, or it will automatically restart after 15 minutes.

· **NOTE:** Each ice-making cycle takes approximately 11-20 minutes, depending on the changes in ambient temperature and water temperature. During the first ice-making cycle, the cycle may take longer due to the higher water temperature in the tank, it will take 23 minutes.

**3. Adjusting Ice Thickness:**

· To adjust the ice thickness, press the "+" or "-" buttons on the control panel. The number in the lower-left corner of the display shows the set time for the ice-making process, with the default being "0". Pressing the "+" button once increases the ice-making time by 1 minute, making the ice thicker. Pressing the "-" button once decreases the time by 1 minute, making the ice thinner. After restarting the machine, it will return to the default setting of "0".

· Note: The current set time will only affect the next and subsequent ice-making cycles.

**4. Shutting Down the Unit:**

· To stop ice-making, press the "ON/OFF" button on the control panel. The unit will stop and enter standby mode. If you press the "ON/OFF" button for more than 5 seconds during ice-making, the unit will enter the de-icing process, which helps remove ice from the ice tray. Press the "ON/OFF" button again to turn off the machine.


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**5. Timer Settings:**

· Range: 1-24 hours.

· Shutdown Timer: When the unit is running, you can set a timer to shut it down automatically.

· Startup Timer: When the unit is in standby mode, you can set a timer to start it automatically.

**How to Set the Timer:**

· Press the "TIMER" button. The display will default to "1H" (1 hour). Adjust the timer using the "+" button to increase the time by 1 hour with each press. Use the "-" button to decrease the time. During this adjustment, the "H" in the lower corner of the display will flash. After 5 seconds of inactivity, the flashing will stop, and the "H" will stay on, indicating that the timer has been set.

· If "5H" is displayed in standby mode, it means the unit will start automatically in 5 hours. If "5H" is displayed during ice-making, the machine will shut down automatically in 5 hours. The display shows the remaining time, which will count down to zero, after which the machine will switch to the desired mode.

**How to Cancel the Timer:**

· If a timer is set (indicated by "XXH" on the display), press the "Timer" button. The digits and the "H" will disappear, canceling the timer.

· When a timer is active, the left corner of the display will alternate every 5 seconds between showing the timer duration and the ice-making setting.

**6. Automatic Self-Cleaning Program:**

· Default Cleaning Time: 20 minutes.

**How to Start the Self-Cleaning Program:**

· After connecting all the water hoses and plugging in the power cord, press and hold the "TIMER/CLEAN" button on the control panel for more than 5 seconds. This will start the self-cleaning program. The symbol on the display will rotate, and the countdown timer will display "20M". The "Clean" light will rotate to indicate operation while the water pump runs.The total duration of the self-cleaning program is 20 minutes. (Note: During the self-cleaning mode, the water replenishment method is adjusted to check the water level in the water tray every 5 minutes via the float sensor. If the float sensor detects a lack of water, the water pump will stop, and the water valve will open to replenish water. A total of 4 water replenishment cycles will occur at 0 minutes, 5 minutes, 10 minutes, and 15 minutes.)

**How to Cancel the Self-Cleaning Program:**

· The self-cleaning program takes about 20 minutes. When it finishes, the system will automatically enter standby mode. You can also cancel the self-cleaning program manually by pressing the "ON/OFF" button on the control panel.

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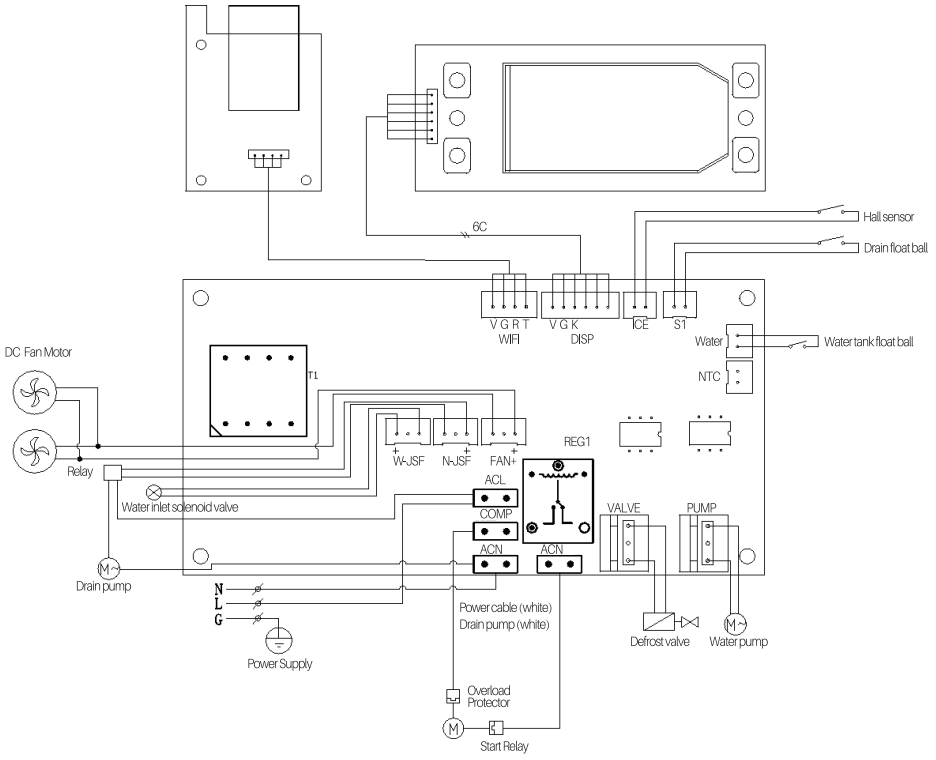
**7. Wi-Fi Remote Intelligent Control**

1) The unit can be remotely controlled using the Tuya Smart APP To connect for the first time, you need to set the Wi-Fi password.
2) Download and open the Tuya Smart APP.
3) Press the Power button to turn on the machine.
4) Press and hold the "+" button for 5 seconds to activate the Wi-Fi function. The Wi-Fi indicator will begin to flash.
5) In the Tuya Smart APP, click "Add Device." When prompted, confirm that the indicator light is flashing. A Wi-Fi configuration window will appear; set the same Wi-Fi account and password as your mobile phone, then click "OK."
6) Once the setup is successful, the Wi-Fi indicator will stay on, and the unit can be operated through the APP.

**Tuya Smart APP**

# Wiring Diagram





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# Helpful User Tips

## Sounds You May Hear from Your New Ice Maker

Your new ice maker may produce some sounds that are unfamiliar to you. Most of these new sounds are normal. Hard surfaces such as floors, walls, and cabinets can amplify the sound, making it seem louder than it actually is. Below are some sounds you might hear and the reasons for them:

· Whooshing sound: You may hear a whooshing sound when the water valve opens to fill the water reservoir.
· Rattling noise: Rattling noises might come from the flow of refrigerant or water through the pipes, or from items stored on top of the unit.
· Pulsating or high-pitched sound: The high-efficiency compressor can produce a pulsating or high-pitched sound.
· Water splashing: Water flowing from the reservoir onto the evaporator plate might create a splashing sound, and water flowing back from the evaporator to the reservoir might also cause splashing.
· Gurgling sound: You may hear a gurgling sound at the end of each cycle as refrigerant flows through the ice maker.
· Condenser fan noise: The condenser fan forces air over the condenser, which can create some noise. During the harvest cycle, you might hear the sound of ice cubes falling into the ice bin.
· Continuous water flow: When you first start using the ice maker, you might hear continuous water flow as the unit runs a rinse cycle before it begins making ice.

## Preparing Your Ice Maker for Long-Term Storage

If the ice maker will not be used for an extended period or if you plan to move it to another location, you need to drain all the water from the system. Here are the steps to prepare your ice maker for long-term storage:

1. Allow all ice to be ejected from the evaporator.
2. Turn off the unit and unplug the power cord.
3. Shut off the water supply at the main water system.
4. Disconnect the water supply hose from the inlet valve.
5. Remove the water tank drain hose labeled "H" in the diagram and drain the water from the water tank. Once all the water has been drained, reattach the drain hose to the water tank.
6. Drain all the water from the drain outlet located at the back of the unit.
7. Disconnect the drain hose from the main drain or floor drain and reinsert the drain cap.
8. Leave the door open to allow air circulation and prevent mold.
9. Keep the water supply hose and power cord disconnected until you are ready to use the unit again.
10. Dry the interior of the unit and wipe down the exterior.
11. Place a plastic cover over the unit to protect it from dust and dirt.

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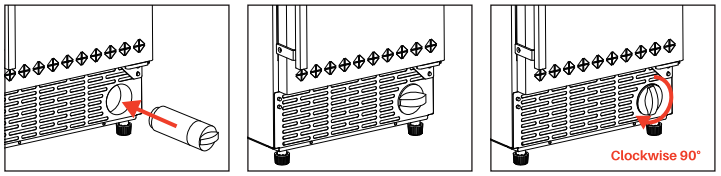
# Filter Use Guide

· **NAME:** Activated Carbon Filter Cartridge
· **MODEL:** YD-QZ001-CTO
· **FUNCTIONS:** Removes Large Molecular Organic Substances, Chlorine, Odors, Taste, Sand, Rust, Scale, Discoloration and Harmful By-Products from tap water.
· **REPLACEMENT CYCLE:** 6 Months/300 Gallons,The replacement cycle of the filter depends entirely on the quality of the user's water source and the variation in the amount of purified water used. Adopting a safe replacement frequency ensures the normal operation of the machine and the quality of the ice produced. Therefore, the suggested filter replacement cycle above is for reference only.
· **HOW TO INSTALL:**
**Step 1:** Insert the filter into the slot as instructed.
**Step 2:** Rotate it clockwise 90° until it fits perfectly.




# Product Specification

## RATING

| | |
|---|---|
| MODEL | YD-QZ001 |
| POWER SUPPLY VOLTAGE | 1Phase, 115V/60Hz |
| CLAIMATE CLASS | 10-40℃ |
| ELECTRICAL PROTECTION CLASS | I |
| ICE MAKING RATING (Amps) | 2.4Amp |
| ICE HARVEST RATING (Amps) | 3.8Amp |
| REFRIGERANT CHARGE | R290 1.94Oz/55g |
| NET WEIGHT(lbs) | 62 lbs |
| VESICANT | $C_5H_{10}$ |
| UNIT DIMENSIONS(W * D * H) ( Inch) | 14.9*18.5*33.3 |
| ACCESSORIES | SHOVEL, INSTALLATION KITS , HANDLE |
| CONNECTION | POWER CORD——18AWG<br>WATER SUPPLY—— 6.35mm diamete<br>DRAIN——Φ16 SYLPHON BELLOWSS(REAR) |
| RUNNING CONDITIONS | ROOM TEMP 50-110 Fahrenheit<br>WATER SUPPLY TEMP 41-95 Fahrenheit<br>WATER SUPPLY PRESSURE 0.04-0.6 MPa |

NOTE*: TESTED AT 70 Fahrenheit ROOM TEMPERATURE AND 50 Fahrenheit WATER TEMPERATURE.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# Trouble Shooting Guide

| PROBLEM | POSSIBLE CAUSE | SOLUTION |
|---|---|---|
| **" " indicator is on.** | No water supply | Check the main water supply pressure or check the water supply hose is blocked or not, adding the water pressure or cleaning the hose necessary |
| | Floating ball of the water level detecting switch is blocked, can't be raised up | Clean the water tank and the water level detecting switch |
| | Water flows out from the water tank | Place the unit on the level position, not on the slope |
| | Water flows out from the water drain pipe of the water tank | Pull out the pipe and install back to the slot of the water tank properly |
| **The unit start to enter the ice making process, but no water flowing in the unit, and the" "indicator flashes** | Water supplying hose breakdown, or water flows in very slowly | Check the main water supply pressure or check the water supply hose is blocked or not, adding the water pressure or cleaning the hose necessary |
| **Water pump is working, but no water flow out from the water dividing pipe** | The little holes on the water dividing pipe is blocked | Clean these little holes |
| **The transparency of the ice cube is not very good** | Water quality is bad | Change the water supply, or use the water filter to soften or filter the water |
| **Ice cube shape is irregular** | Water quality is not good or the water tank is very dirty | Clean the water tank, and change with new water |
| | The little holes on the water dividing pipe is some blocked | Clean the water dividing pipe, make sure all nine holes are unclogged |
| **Ice cube is very thin** | Ambient temperature is too high | Move the unit to low temperature space, or lengthen the time of each ice making cycle |
| | Air circulation around the unit is not goog | Make sure there is more than 20CM space between the unit back & front and the obstacle |
| **Ice cube is too thick** | Ambient temperature is too low | Reduce the time of each ice making cycle |
| **" " indicator is on** | The ice storage bin is full of the ice cube | Take out some ice cube |
| **Ice making cycle is normal, but there is no ice cube produced** | The temperature of Ambient, or water in water tank is too high | Move to the place with temperature lower than 90Fahrenheit, centigrade, and change to the low temperature water |
| | Refrigerant leakage | Need the technical serviceman to maintain |
| | Cooling system tube is clogged | Need the technical service person to maintain |

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Error Indicators

a) Ambient temperature sensor failure: "E1" will be displayed on the digital window.
b) Ice production failure or refrigerant leakage: "E2" will be displayed on the digital window.
c) Magnetic control switch cutoff: The "FULL" light will turn on when the unit is plugged in or just powered on. If the switch is short-circuited, the fault display will be removed.
d) During the ice-making process, if the "ON/OFF" button is pressed for more than 5 seconds, the unit will start the ice-harvest program. After the ice-harvest program ends, it will continue the ice-making process.

Proper Disposal of This Product

This symbol indicates that this product should not be disposed of with other household waste throughout the European Union. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmentally safe recycling.

# Warranty Description

This product comes with a one-year warranty, from the date of purchase.

The warranty of our product covers defects in materials and workmanship. During the warranty period, we will replace or repair any defective parts if the product has not been tampered with, altered, lacked regular maintenance, or misused after delivery.
The cost of repair or replacement under those excluded circumstances shall be borne by the consumer.


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# Information about US and Our Products

**Please scan to contact us on Amazon**

**Reorder our Filter**

Scan QR code or search
ASIN:"B0DG8X68ZG"on Amazon

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