

POLYCOOL®



IM-35K Commercial Ice Maker

User Manual

[Revision 1.0]

READ THIS MANUAL CAREFULLY BEFORE USE – FAILURE TO DO SO MAY RESULT IN INJURY, PROPERTY DAMAGE AND MAY VOID WARRANTY. • KEEP THIS MANUAL FOR FUTURE REFERENCE. • Products covered by this manual may vary in appearance, assembly, inclusions, specifications, description, and packaging.

Safety

Safety messages are designed to alert you to possible dangers or hazards that could cause death, injury or equipment or property damage if not understood or followed. Safety messages have the following symbols:



You **WILL** be KILLED or SERIOUSLY INJURED if you do not follow instructions.

It is vital that you read and understand this user manual before using the product, including safety warnings, and any assembly and operating instructions. Keep the manual for future reference.

Safety precautions and recommendations detailed here must be fully understood and followed to reduce the risk of injury, fire, explosion, electrical hazard, and/or property damage.

Safety information presented here is generic in nature – some advice may not be applicable to every product. The term "equipment" refers to the product, be it electrical mains powered, battery powered or combustion engine powered.

- **Before Use** - If you are not familiar with the safe operation/handling of the equipment or are in any way unsure of any aspect of suitability or correct use for your application, you should complete training conducted by a person or organization qualified in safe use and operation of this equipment, including fuel/electrical handling and safety.
- Do NOT operate the equipment in flammable or explosive environments, such as in the presence of flammable liquids, gases, or dust. The equipment may create sparks or heat that may ignite flammable substances.
- Keep clear of moving parts.
- Equipment may be a potential source of electric shock or injury if misused.
- Do NOT operate the equipment if it is damaged, malfunctioning or is in an excessively worn state.
- Do NOT allow others to use the equipment unless they have read this manual and are adequately trained.
- Keep packaging away from children - risk of suffocation! Operators must use the equipment correctly. When using the equipment, consider conditions and pay due care to persons and property.

General Work Area Safety

- Work areas should be clean and well lit.
- Do not operate the equipment if bystanders, animals etc are within operating range of the equipment or the general work area.
- If devices are provided for connecting dust extraction / collection facilities, ensure these are connected and used properly. Dust collection can reduce dust-related hazards.



You **CAN** be KILLED or SERIOUSLY INJURED if you do not follow instructions.

General Personal Safety

- Wear appropriate protective equipment when operating, servicing, or when in the operating area of the equipment to help protect from eye and ear injury, poisoning, burns, cutting and crush injuries. Protective equipment such as safety goggles, respirators, non-slip safety footwear, hard hat, hearing protection etc should be used for appropriate equipment / conditions. Other people nearby should also wear appropriate personal protective equipment. Do not wear loose clothing or jewellery, which can be caught in moving parts. Keep hair and clothing away from the equipment.
- Stay alert and use common sense when operating the equipment. Do not over-reach. Always maintain secure footing and balance.
- Do not use the equipment if tired or under the influence of drugs, alcohol, or medication.
- This equipment is not intended for use by persons with reduced physical, sensory, or mental capabilities.

General Fuel Safety

- Petrol/fuel/gasoline is extremely flammable – keep clear of naked flames or other ignition sources.
- Do not spill fuel. If you spill fuel, wipe it off the equipment immediately – if fuel gets on your clothing, change clothing.
- Do NOT smoke near fuel or when refuelling.
- Always shut off the engine before refuelling.
- Do NOT refuel a hot engine.
- Open the fuel cap carefully to allow any pressure build-up in the tank to release slowly.
- Always refuel in well-ventilated areas.
- Always check for fuel leakage. If fuel leakage is found, do not start, or run the engine until all leaks are fixed.

General Carbon-Monoxide Safety

- Using a combustion engine indoors **CAN KILL IN MINUTES**. Engine exhaust contains carbon-monoxide – a poison you cannot smell or see.
- Use combustion engines OUTSIDE only, and far away from windows, doors, and vents.



You **CAN** be INJURED if you do not follow instructions or equipment damage may occur.

General Equipment Use and Care

- Keep packaging away from children and pets, potential risk of suffocation or choking.
- The equipment is designed for domestic use only.
- Handle the equipment safely and carefully.
- Before use, inspect the equipment for misalignment or binding of moving parts, loose components, damage, or any other condition that may affect its operation. If damaged, have the equipment repaired by an authorised service centre or technician before use.
- Prevent unintentional starting of the equipment - ensure equipment and power switches are in the OFF position before connecting or moving equipment. Do not carry equipment with hands or fingers touching any controls. Remove any tools or other items that are not a part of the equipment from it before starting or switching on.
- Do not force the equipment. Use the correct equipment for your application. Equipment will perform better and be safer when used within its design and usage parameters.
- Use the equipment and accessories etc. in accordance with these instructions, considering working conditions and the work to be performed. Using the equipment for operations different from those intended could result in hazardous situations.
- Always keep equipment components (engines, hoses, handles, controls, frames, housings, guards etc) and accessories (cutting tools, nozzles, bits etc) properly maintained. Keep the equipment clean and, where applicable, properly lubricated.
- Store the equipment out of reach of children or untrained persons. To avoid burns or fire hazards, let the equipment cool completely before transporting or storing. Never place or store the equipment near flammable materials, combustible gases, or liquids etc.
- The equipment is not weather-proof, and should not be stored in direct sunlight, at high ambient temperatures or locations that are damp or humid.
- Do not clean equipment with solvents, flammable liquids, or harsh abrasives.
- For specific equipment safety use and care, see Equipment Safety.

General Electrical Safety

- Inspect electrical equipment, extension cords, power bars, and electrical fittings for damage or wear before each use. Repair or replace damaged equipment immediately.
- Ensure all power sources conform to equipment voltage requirements and are disconnected before connecting or disconnecting equipment.
- When wiring electrically powered equipment, follow all electrical and safety codes.
- Always use a Residual Current Device (RCD) (GFCI) / Earth Leakage Circuit Breaker / Safety Switch when operating this item (electrical items only).
- High voltage / high current power lines may be present. Use extreme caution to avoid contact or interference with power lines. Electrical shock can be fatal.

General Electrical Safety

- Electrically grounded equipment must have an approved cord and plug and be connected to a grounded electrical outlet.
- Do NOT bypass the ON/OFF switch and operate equipment by connecting and disconnecting the electrical cord.
- Do NOT use equipment that has exposed wiring, damaged switches, covers or guards.
- Do NOT use electrical equipment in wet conditions or in damp locations.
- Do NOT use electrical cords to lift, move or carry equipment.
- Do NOT coil or knot electrical cords, and ensure electrical cords are not trip hazards.

General Service Information

- The equipment must be serviced or repaired at authorised service centres by qualified personnel only.
- Replacement parts must be original equipment manufacturer (OEM) to ensure equipment safety is maintained.
- Do NOT attempt any maintenance or repair work not described in this manual.
- After use, the equipment and components may still be hot – allow the equipment to cool and disconnect spark plugs and/or electrical power sources and/or batteries from it before adjusting, changing accessories, or performing repair or maintenance.
- Do NOT adjust while the equipment is running.
- Perform service-related activities in suitable conditions, such as a workshop.
- Replace worn, damaged or missing warning/safety labels immediately.

Child Choking Hazard!

• WARNING: CHOKING HAZARD - CHILDREN UNDER 8 YRS. CAN CHOKE OR SUFFOCATE ON SMALL PARTS. ADULT SUPERVISION REQUIRED.

- Carefully inspect anything a baby or child could gain access to, including this product & packaging.
- Dangers include anything of a size that could become stuck or lodged in a baby or child's airway.
- Dangers include things like raw, hard fruit and vegetable pieces, large pieces of meat, bones or sausage skins, popcorn, nuts, hard lollies and corn chips, small magnets and batteries, coins, beads, marbles and small uninflated balloons, broken toys and smaller toys, buttons, keys, and coins. But there are also many more.
- Pay particular attention to accessories, nuts, bolts, screws, washers, caps, covers, loose parts, parts that could be removed or break off, pieces of packaging, staples, tape etc.
- In the case of any doubt, secure the item of concern in an appropriate manner, or completely remove the possibility of access by a baby or child.

Ice Maker Important Safety Information

- Always follow basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, injury, or property damage.
- Read all instructions before using this appliance.
- Use the appliance only for its intended purpose, as described in this manual.
- Ensure the ice maker is installed properly according to the installation instructions before use.
- Position the unit so the power plug is easily accessible.
- Do not:
 - Run the cord over carpet or heat-insulating surfaces.
 - Cover the power cord.
 - Submerge the cord in water.
 - Route the cord through high-traffic areas.
- Avoid plugging other appliances into the same outlet.
- Ensure the plug is fully inserted into the socket.
- Do not use an extension cord. If necessary, use one that is:
 - At least 1.5 mm² in size.
 - Rated no less than 16A / 250V~.
 - Equipped with an earthed plug.
- If the supply cord is damaged, it must be replaced by the manufacturer, a service agent, or a similarly qualified person.
- Unplug the appliance when:
 - Not in use for an extended period.
 - Cleaning or servicing.
- Always unplug by holding the plug—do not pull on the cord.
- Do not use the appliance outdoors.
- Keep the unit away from direct sunlight.
- Maintain at least 15 cm of clearance at the back and ensure the front is unobstructed.
- Keep all ventilation openings clear and free of obstruction.

- Do not tip the unit—this may:
 - Cause excessive noise.
 - Affect ice cube size.
 - Lead to water leakage.
- If brought in from cold outdoor conditions, let the unit reach room temperature before plugging it in.
- Use only water to make ice—do not use other liquids.
- Do not clean the appliance with flammable fluids, as this may cause fire or explosion.

WARNINGS

- **⚠ THIS APPLIANCE MUST BE EARTHED. USE A POWER SOURCE IN ACCORDANCE WITH THE NAMEPLATE (220–240V, 50HZ).**
- Keep all ventilation openings clear.
- Do not damage the refrigerant circuit.
- This appliance is not intended for use by:
 - Persons (including children) with reduced physical, sensory or mental capabilities.
 - Individuals lacking experience or knowledge—unless under supervision or instruction.
- Supervise children to ensure they do not play with the appliance.
- Do not store explosive materials (e.g. aerosol cans with flammable propellant) inside the appliance.
- Intended use includes:
 - Staff kitchens in shops, offices, or other workplaces.
 - Farmhouses, hotels, motels, and other residential-type environments.
 - Bed and breakfast accommodation.
 - Catering or similar non-retail applications.

FIRE HAZARD NOTICES

- **⚠ RISK OF FIRE DUE TO FLAMMABLE MATERIALS.**
 - Follow local disposal regulations—unit may contain flammable blowing agents.
 - Take care to avoid igniting flammable materials near the unit.
- Do not use mechanical devices or unauthorised methods to accelerate defrosting or ice harvesting.
- Do not place other electrical appliances inside the ice maker.
- Avoid placing multiple portable power supplies or socket outlets behind the unit.

Electrical Connection

Wires in the mains lead are colour-coded as follows:

-  Green and Yellow – Earth (E or symbol)
-  Blue – Neutral (N)
-  Brown – Live (L)

If colours do not match the plug terminals:

- Connect the green-and-yellow wire to the terminal marked E, with the earth symbol, or coloured green/green-and-yellow.
- Connect the blue wire to the terminal marked N.
- Connect the brown wire to the terminal marked L.

Correct Disposal of This Product

- This symbol indicates that this product must not be disposed of with general household waste.
- To avoid potential harm to the environment or human health from improper disposal, please recycle responsibly. Proper disposal helps support the sustainable reuse of materials.
- To dispose of this product:
 - Use designated electronic waste collection systems or
 - Return it to the retailer where it was purchased, who can arrange for safe environmental recycling.

Safety Symbols

The product may have safety warning labels attached to it, explained below. Understand the symbols on your product and their meanings. If any stickers become unreadable, unattached etc., replace them.

 Flammable Material Hazard Flammable liquids, gases, or substances etc may present. Avoid ignition sources and open flames. Danger of fire.	 Read User Manual Read and fully understand product safety warnings, operation, procedures etc before using the product.	 Use Hand Protection Wear appropriate hand protection and take due care as the product or use of the product may present hand hazards.	 Carbon-Monoxide Hazard Do not use the product in confined areas or without adequate ventilation. Carbon-monoxide poisoning can be fatal.
 Electrocution / Electrical Shock Hazard High voltage or high current electricity may be present or required by the product. Take due care when handling electrical products, cables, plugs and leads. Electrical shock can be fatal.	 Toxic Fumes / Dust Hazard Using the product or by-products from use may produce fumes, smoke or particles that could be harmful if inhaled. Wear appropriate breathing protection and have adequate ventilation.	 Explosive Material Hazard Combustible liquids, gases, or substances etc may be present. Avoid ignition sources and open flames. Danger of explosion.	 Cutting / Amputation Hazard The product may have blades, edges or mechanical devices that can cause severe cut injury to fingers, limbs etc. Take due care when handling and using the product.
 Crush Hazard The product may have blades, edges or mechanical devices that can cause severe crush injury to fingers, limbs etc. Take due care when handling and using the product.	 Single Operator Only The product must be operated by a single person only. More than one person operating the product may introduce additional hazards.	 Use Face Protection Wear appropriate full-face protection and take due care as the product or use of the product may present face and eye hazards.	 Use Foot Protection Wear appropriate foot protection and take due care as the product or use of the product may present foot hazards.
 Use Eye / Ear / Head Protection Wear appropriate eye and / or ear and / or head protection and take due care as the product or use of the product may present eye, hearing, and head hazards.	 Running Hazard Do not run on or near the product as doing so may present a fall hazard.	 Diving Hazard Do not dive into the product as doing so may present a neck / head injury hazard.	 Adult Supervision Required Always supervise children and other users of a product to prevent drowning or injury.
 Skin Penetration / Puncture Hazard The product may produce pressure, emit liquids or objects that can cause severe injury to fingers, limbs, blood etc. Take due care when handling and using the product.	 Hot Surface Hazard Be aware that the product may produce high temperatures and hot surfaces that can cause burn injuries.	 Flying Debris Hazard Be aware that the product or use of the product may present hazards produced by flying debris. Wear appropriate clothing and protective devices.	 Moving Parts Hazard Be aware that the product contains or uses mechanical devices that move or rotate. Always wait for moving parts to stop fully before handling the product, adjusting, maintenance etc.

 Carbon-Monoxide Hazard Do not use the product in confined areas or without adequate ventilation. Carbon-monoxide poisoning can be fatal.	 Pull Hazard Be aware that the product contains or uses mechanical devices that can pull in objects and can cause severe injury to fingers, limbs etc. Take due care when handling and using the product.	 Slope / Fall Injury Hazard Be aware that using the product on sloping surfaces or in slippery conditions may present additional dangers from falls and contact with blades, moving parts, hot surfaces etc.	 "Slam Dunk" Warning Do NOT attempt "slam dunk" manoeuvres as this may result in severe injury due to falling, product breakage or collapse etc.
 Electrocution / Electrical Shock Hazard - Outdoor High voltage or high current electricity may be present or required by the product. Do NOT use in rain, damp, or wet conditions. Electrical shock can be fatal.	 Electrocution / Electrical Shock Hazard - Disconnect High voltage or high current electricity may be present or required by the product. Always disconnect the product from the electrical supply before handling the product, adjusting, maintenance etc.	 Power Line Electrocution Hazard High voltage / high current power lines may be present. Use extreme caution to avoid contact or interference with power lines. Electrical shock can be fatal.	 "Kick-Back" Hazard High level of "kick-back" hazard that can cause the machine to suddenly rotate towards operator. Kick-back injury can be fatal.
 Winch Operator Position Hazard Do NOT stand between winch and load. Do NOT use winch to move people.	 Winch Lift Hazard Do NOT LIFT load vertically. Use machine to PULL only.	 Cable Hazard Ensure that load bearing cable is not kinked or knotted.	 Winch Cable Hazard Ensure that there is a minimum number of cable coils on winching mechanism.
 Winch Hook Hazard Carry hook to load – do NOT throw or run.	 Flash / Blinding Hazard Wear appropriate eye protection for welding. Direct exposure to weld arcs may cause permanent eye injury.	 Laser Hazard Laser may be in use – do NOT look directly at laser or allow others to.	 Choking Hazard Children under 8 yrs. Can choke or suffocate on small parts. Adult supervision required.

Table of Contents

Safety	2
Safety Symbols	5
Installation	8
Unpacking Your Ice Maker	8
Installation Location Requirements	8
Under-Counter Installation	9
Water Supply Requirements	9
Electrical Requirements & Connections	9
Cleaning Your Ice Maker Before First Use	10
Operation	12
Control Panel Features	12
Operating Your Unit	14
Operating the Ice-Making Process	15
Automatic Self-Cleaning Program	17
Timer Setting Operation	17
Internal LED Light Operation	18
Water Drainage	19
Normal Operating Sounds	19
Maintenance and Storage	20
General Precautions	20
Maintenance Tips	20
What Not to Do	20
Exterior Cleaning	20
Interior Cleaning – Ice Storage Bin	21
Ice-Making Parts Cleaning	21
Cleaning the Ice-Making Assembly System	22
Cleaning Suggestions	24
Preparing the Ice Maker for Long-Term Storage	24
Troubleshooting	25
Error Codes – Unit Malfunctions	26
Parts Identification	27
Main Unit	27
Exploded View	28
Specifications	29

Installation

Unpacking Your Ice Maker

1. Remove all packaging

- Take off both the exterior and interior packaging.
- Check that all accessories are included:
 - Instruction manual
 - Ice scoop
 - White water supply hose
 - ¼" to ½" quick-connect fitting
 - Water drain pipe
- If any parts are missing, contact the manufacturer.

2. Remove protective materials

- Detach any securing tape used for the door, ice scoop, or inner cabinet.
- Wipe the interior and the ice scoop with a damp cloth.

3. Position the unit

- Place the ice maker on a flat, level surface.
- Avoid placing it in direct sunlight or near heat sources (e.g. stove, furnace, radiator).
- Maintain the following clearances for ventilation:
 - At least 20 cm behind the unit
 - At least 5 cm on both the left and right sides

4. Let refrigerant settle

If the unit may have been tipped or laid on its side during transport, allow it to stand upright for 4 hours before plugging it in. This ensures the refrigerant settles properly.

5. Ensure plug accessibility

The power plug must remain accessible at all times.

⚠ WARNING: Connect only to a potable (drinking) water supply.

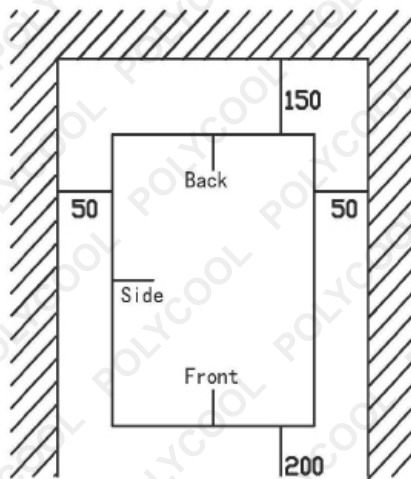
Installation Location Requirements

To ensure optimal performance and safety, please follow these guidelines:

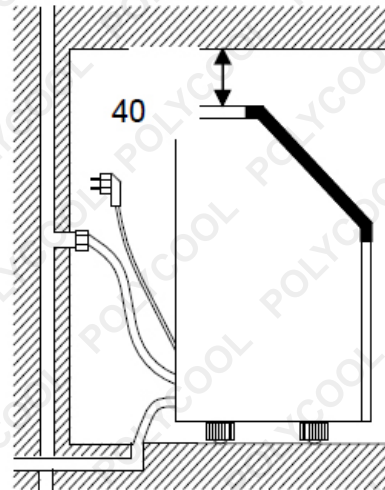
- This appliance is for indoor use only.
- Ensure the room temperature and inlet water temperature match the specifications listed in the product table.
- Avoid installing the unit near any heat source.
- Place the unit on a firm, level surface, ideally at benchtop height.
- Maintain the following minimum clearances:
 - Rear: 15 cm

- Sides: 5 cm (or 50 mm for tight installations)
- Front: 20 cm (for door clearance and airflow)
- Top: 5 cm
- Do not place objects on top of the ice maker.

Installation clearance
top view (mm)



Side view (mm)



✓ Ventilation Note: The front of the unit must remain completely unobstructed. Installation should also allow the ice maker to be pulled forward for servicing if needed.

Under-Counter Installation

- Follow the recommended spacing dimensions (as shown in the product diagram).
- Position electrical and drain connections according to the layout guidelines.
- Choose a well-ventilated indoor area with ambient temperatures between 10°C and 32°C.
- Ensure the area is protected from weather, including wind, rain, splashes, or drips.

Water Supply Requirements

- The unit requires a continuous connection to a main water supply with a pressure range of 1–8 bar.
- The inlet water temperature must be between 5°C and 25°C for optimal operation.

Electrical Requirements & Connections

⚠ WARNING: THIS UNIT MUST BE EARTHED. Failure to follow these instructions may result in electric shock, fire, or death.

Electrical Safety Precautions:

- Connect the appliance to a properly earthed power point.
- Do not remove the earth pin from the plug.

- Do not use double adaptors or power boards.
- Do not use an extension lead.
- Do not connect the appliance to a power point controlled by a wall switch or timer.
- Ensure the appliance is supplied by its own dedicated circuit—do not share the outlet with other equipment.

Installation Guidelines:

- Ensure the electrical outlet is ready and accessible before positioning the appliance in its final location.
- Requires a standard 220–240V, 50Hz earthed power point.
- If the power cord or plug becomes damaged, it must be replaced by a qualified technician or licensed electrician.

Recommended Grounding Method:

- For your safety, this appliance must be properly earthed.
- It comes with a power cord fitted with an earthed (grounded) plug.
- To minimise the risk of electric shock, plug the unit into an earthed wall socket that complies with:
 - AS/NZS 3000 Wiring Rules, and
 - Local electrical safety regulations in your state or territory.
- If an earthed socket is not available, it is the customer's responsibility to have one installed by a licensed electrician.

Cleaning Your Ice Maker Before First Use

Before using your ice maker for the first time, it is strongly recommended that you clean it thoroughly.

Cleaning Steps:

- 1. Open the ice access door.**
- 2. Clean internal surfaces**
 - a. Use a mild detergent diluted in warm water.
 - b. Wipe with a soft cloth.
- 3. Clean all parts that come into contact with water**
 - a. Wipe these areas using a damp cloth or sponge.
 - b. Follow up with a dry cloth to remove moisture completely.
- 4. Drain the cleaning water from the tank**
 - a. Pull out the water drain pipe from the water tank (labelled "H" in the [illustration](#)).
 - b. Drain the water from the tank, then clean the ice storage bin thoroughly.
 - c. Once cleaning is complete:
 - i. Drain all water from the main drain port located at the rear of the unit (labelled "8" in the illustration).
 - ii. Reinstall the water tank's drain pipe and secure the drain cap at the back of the unit.

⚠ Important: The unit will not function properly if these are not reinstalled correctly.

 **Tip: Discard the first batch of ice produced after cleaning.**

 **Refer to the “[Water Drainage](#)” section for detailed drainage instructions.**

5. Clean the exterior

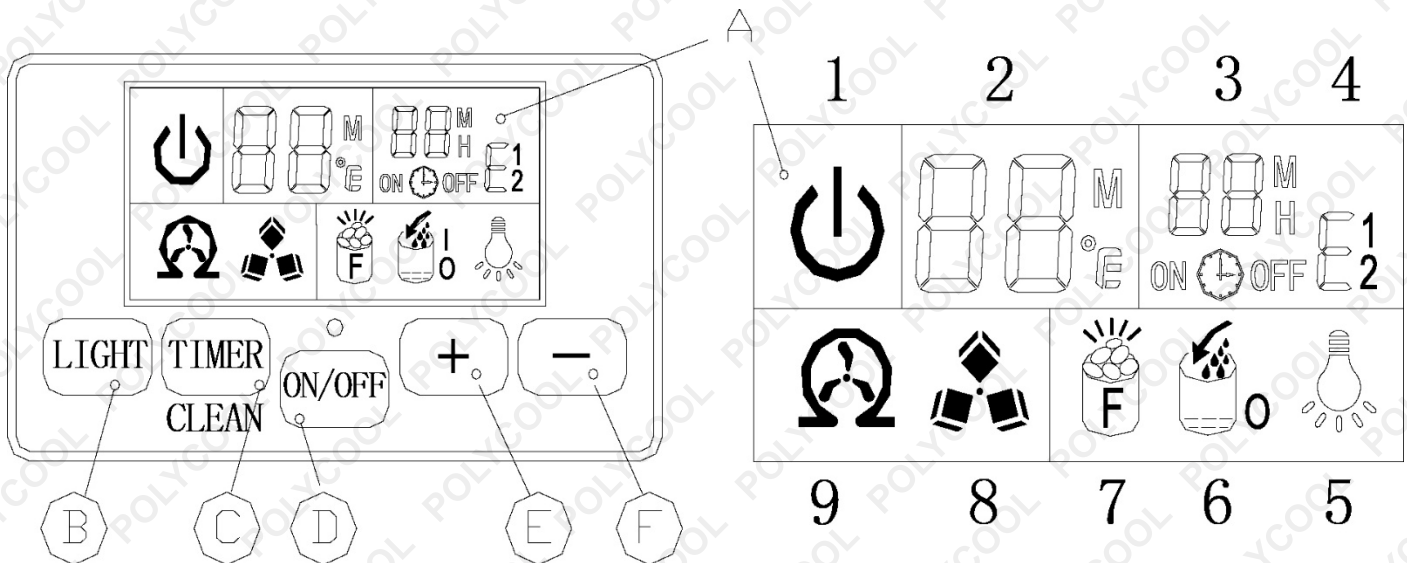
- a. Wipe the outside of the unit regularly with a mild detergent and warm water.

6. Dry the unit

- a. Use a clean, soft cloth to thoroughly dry both the interior and exterior surfaces.

Operation

Control Panel Features



A. LCD Display Window

1. Power Symbol (ON/OFF)

- Flashes when the unit is off (standby mode).
- Stays lit when the unit is operating.

2. Temperature & Countdown Display

- Shows ambient temperature and remaining ice-making time.

3. Ice-Making & Timer Setting Display

- Displays ice-making and timer settings.

4. Error Code Display

- E1: Ambient temperature sensor fault.
- E2: Ice-making process fault.

5. Light Symbol

- Lights up when the internal LED light is on.

6. Water Flow / Water Absence Symbol

- Flashing arrow: Water is flowing from the main supply.
- Solid symbol: No water is entering from the main supply.

7. Ice-Full Symbol

- Appears when the ice storage bin is full.
- Ice-making stops automatically.

8. Ice-Making & Harvest Symbol

- Rotating icon: Ice is currently being made.
- Flashing icon: Ice is being harvested.

9. Self-Cleaning Display

- Indicates that the unit is in self-cleaning mode.

B. "LED Light" Button

- Turns the internal LED light on or off.
- Hold for over 5 seconds to switch between Celsius and Fahrenheit temperature units.

C. "Timer/Clean" Button

- Quick press: Enter timer setting mode.
- Press and hold for 5+ seconds: Start the self-cleaning program.

D. "ON/OFF" Button

- When the unit is off: Press to turn it on.
- When the unit is on: Press to turn it off during normal operation or auto-cleaning mode.
- When a timer is set: Press to cancel the timer.
- When ice-making is in progress: Hold for more than 5 seconds to force start the ice-harvest process.

E/F. "+" / "-" Buttons

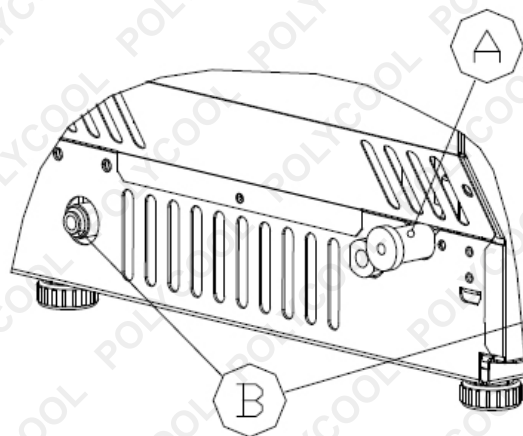
- **Ice-making Duration:**
 - Adjusts cycle length in 1-minute increments (default = 0).
- **Timer Delay:**
 - Adjusts delay in 1-hour increments (default = 0).
 - Use "+" or "-" to increase or decrease time.

Operating Your Unit

Water Connection for Your Ice Maker

Important: Always use the new hose set provided with the appliance to connect to the water mains. Do not reuse old hose sets.

Unit Back View



STEP 1: Remove the tape first

Water inlet port on the unit back



Remove the clipper first

STEP 2: Insert the water hose

Then install back the clipper



White water hose (accessory)

First insert the water hose inward completely

1. Connect the Water Supply Hose

Step 1: Prepare the Water Inlet Port

- Remove the protective tape from the water inlet port at the rear of the unit (labelled "B" in the illustration).
- Press gently on the outer ring of the connector using your finger.

Step 2: Attach the White Water Hose

- Insert one end of the white water hose (accessory) fully into the water inlet port.
- Push it inward completely to ensure a secure fit.
- Reattach the clip to lock the hose in place.

✓ Once the clip is securely installed, the water hose connection is complete.

2. Connect the Water Drainage Pipe

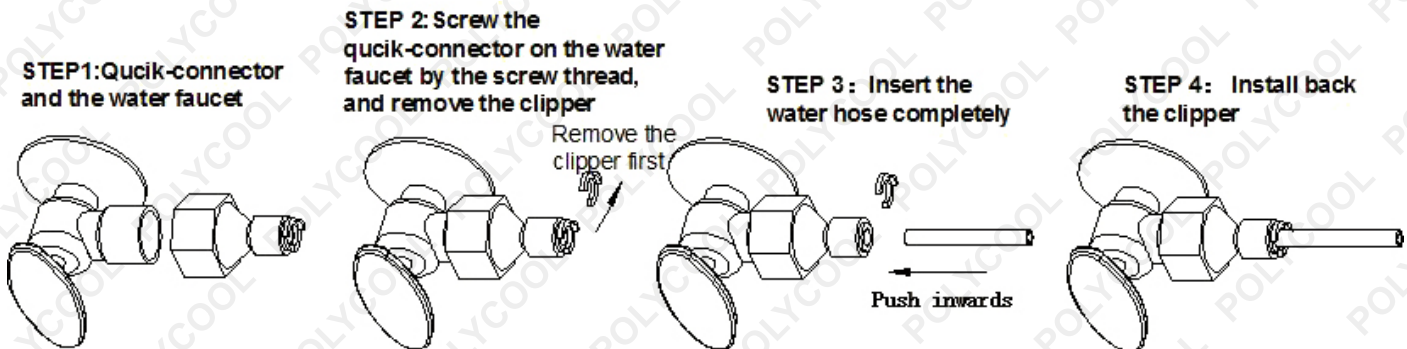
- Pull out the black drain cap (labelled "A" in the illustration).
- Attach the included grey drainage pipe to the outlet.
- Connect the other end of the drainage pipe to your main waste drainage line.
- Ensure the drain pipe is not positioned too high, as this may obstruct proper water flow.

3. Connect the Water Hose to the Tap (Mains Supply)

- Attach the supplied quick-connect fitting (1/4" to 1/2", with black sealing ring) to your water tap using the threaded connection.
- Remove the clip from the quick-connect fitting.
- Insert the other end of the white water hose into the quick-connector until fully seated.
- Reinstall the clip to secure the connection.

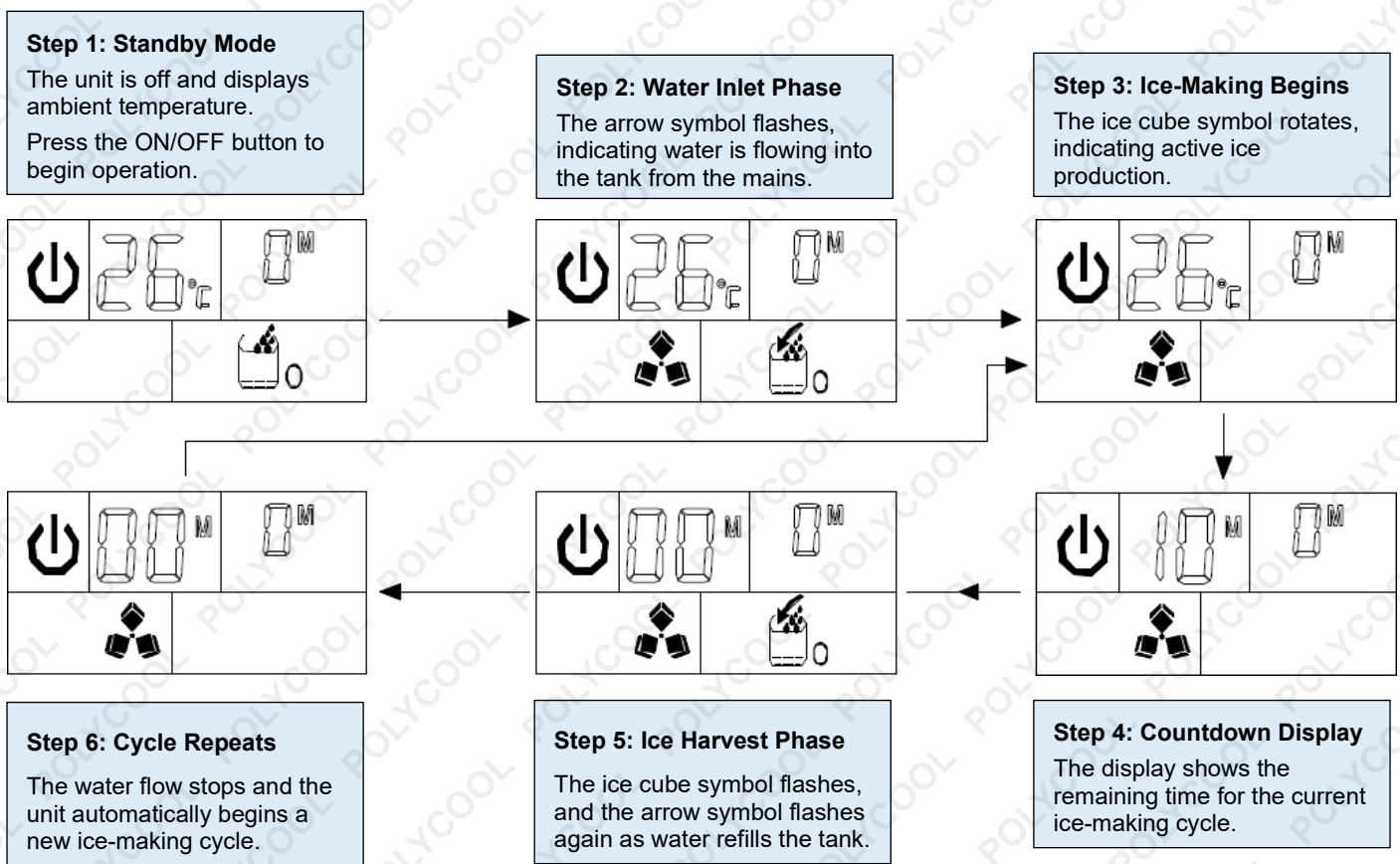
Note: The water tap and connection point must be provided by the user.

Water Pressure Requirement: The water supply pressure must be within the range of 0.04 MPa to 0.6 MPa. If your water pressure exceeds this range, install a pressure-reducing valve before connection.



Operating the Ice-Making Process

The ice-making program proceeds as shown in the following diagram:



Symbol Guide:

	Automatic Water Supply Symbol • Arrow flashing: Water is actively flowing into the tank. • Solid symbol: No water is being supplied—check the mains connection.
	Ice Cube Symbol • Rotating: The unit is actively making ice. • Flashing: The unit is in the ice-harvest phase.
	Indicates ambient temperature in degrees Celsius.
	Timer setting in hours.
	Timer or countdown in minutes.

Detailed Ice-Making Operation:**1. Starting the Ice-Making Cycle**

- After connecting the main water supply hose, plug the unit into the power outlet.
- Press the ON/OFF button on the control panel to begin operation.
- The power indicator will illuminate continuously.
- The left number on the LCD shows the current ambient temperature.
- The right number shows the ice-making time setting.
- The ice cube symbol will begin to rotate.
- When the left number starts flashing, it indicates the countdown timer for completing one ice-making cycle.

2. Cycle Duration

- Each ice-making cycle typically lasts 11 to 20 minutes, depending on ambient temperature and water temperature.
- For the first cycle, due to initial water temperature, the duration may be slightly longer.

3. Ice-Harvest Process

- Once ice-making finishes, the unit enters the ice-harvest phase.
- The ice cube symbol changes from rotating to flashing.
- The arrow on the water supply symbol also begins to flash as water flows into the tank.
- Water continues flowing until the float ball in the water level switch rises to its highest point, stopping the water flow.
- When this happens, the water supply symbol disappears.

- f. The ice-full detection plate will rotate downward briefly, then return to its original position to start the next cycle.
- g. If the detection plate cannot return (due to ice blockage), the system detects a full ice bin and will automatically stop ice production.

4. When Ice Bin is Full

- a. If the ICE FULL symbol is displayed, the unit will stop running.
- b. Once you remove enough ice cubes, the unit will automatically restart after a 3-minute compressor delay.

5. Adjusting Ice Cube Thickness

- a. During ice-making, press the "+" or "-" buttons to adjust the duration of the process.
- b. This changes the thickness of the ice cubes.
- c. Each press adjusts the time by 1 minute (default = 0).
- d. The right-side digit will flash during adjustment.
- e. After 5 seconds, the new setting is saved automatically.

6. Water Quality Warning

- a. Poor water quality may result in low-quality or cloudy ice cubes.
- b. Use clean, filtered water to ensure clear, solid ice cubes.

Automatic Self-Cleaning Program

Start the Self-Cleaning Program

1. Ensure all water pipes are properly connected.
2. Plug the unit into the mains power.
3. Press and hold the "TIMER/CLEAN" button on the control panel for more than 5 seconds.
 - The unit will enter Self-Cleaning Mode, and the self-cleaning symbol  will appear on the display.
 - The left-side digit will indicate the remaining time.
 - The self-cleaning cycle runs for approximately 20 minutes.

Cancel the Self-Cleaning Program

- The self-cleaning cycle automatically finishes after about 20 minutes, and the unit will return to standby mode.
- To cancel manually, press the "ON/OFF" button on the control panel during the cleaning process.

Timer Setting Operation

- Delay Time Range: 1 to 24 hours
- Default Time: 1 hour

How to Set the ON-Timer

1. Ensure the unit is in standby mode.
2. Press the "TIMER/CLEAN" button to activate the ON-Timer.
3. The  symbol will appear, and the number "1" (representing 1 hour) will begin to flash.

4. While the number is flashing:
 - Press the “+” or “–” buttons to adjust the timer in 1-hour increments.
5. After 5 seconds, the selected time will be saved automatically.

How to Cancel the ON-Timer

1. Press the “TIMER/TIMER” button once. The delay time will flash on the display.
2. Press the button again to cancel the timer.
3. The  symbol and number will disappear.
4. Alternatively, press the “ON/OFF” button to cancel the ON-Timer forcefully.

How to Set the OFF-Timer

1. Ensure the unit is running (ice-making).
2. Press the “TIMER/CLEAN” button to activate the OFF-Timer.
3. The  symbol will appear, and the number “1” will begin to flash.
4. While the number is flashing:
 - Press the “+” or “–” buttons to adjust the timer in 1-hour increments.
5. After 5 seconds, the setting will be saved automatically.

How to Cancel the OFF-Timer

1. Press the “TIMER/TIMER” button. The OFF-Timer delay time will flash.
2. Press the button again to cancel the timer.
 - The  symbol and number will disappear.
3. Alternatively, pressing the “ON/OFF” button will also cancel the OFF-Timer and shut off the unit.

Internal LED Light Operation

- When the unit is plugged in, press the “LIGHT” button on the control panel once to switch on the internal LED light inside the ice bin.
- The light symbol  will also appear on the LCD display.
- To switch off the light, press the “LIGHT” button again.
- The LED and the light symbol will both turn off.

 **Note:** Press and hold the “LIGHT” button for more than 5 seconds to toggle the temperature display unit between Celsius (°C) and Fahrenheit (°F).

Water Drainage

Before draining, ensure the grey drainage pipe is properly connected at the back of the unit.

A. Draining the Ice Storage Bin

- Use the grey drainage pipe connected to the rear drainage port.
- Ensure the pipe is not positioned too high to allow proper water flow.

B. Draining the Water Tank

1. Pull out the silicone pipe located on the right side of the water tank (labelled "H" in the [diagram](#)).
2. Extend the silicone pipe fully to allow water to drain into the ice bin.
3. Water will then flow out through the rear drain port.

 **Reminder: Clean the water tank regularly to maintain ice quality and prolong the life of the unit and its water circulation pump.**

Normal Operating Sounds

Your new ice maker may produce unfamiliar sounds. These are typically normal and may be amplified by nearby hard surfaces (e.g. floors, walls, benchtops).

Common sounds include:

- A swooshing sound when the control valve opens to fill the tank.
- Rattling from water flow, refrigerant movement, or objects placed on the unit.
- A pulsing or high-pitched hum from the high-efficiency compressor.
- Splashing noises as water circulates between the tank and the evaporator.
- A gurgling sound at the end of each cycle as refrigerant flows.
- Air movement from the condenser fan.
- Clinking or thudding as ice cubes drop into the bin.
- On first startup, continuous water flow during the rinse cycle (before ice-making begins).

Maintenance and Storage

⚠ WARNING: Before performing any cleaning or maintenance, unplug the unit from the mains power supply. (Exception: During the self-cleaning program).

General Precautions

- Do not use alcohol-based or fume-generating cleaners, as they may cause cracking of plastic parts.
- The condenser should be checked and cleaned at least once per year by a trained service technician to maintain performance.
- This appliance must only be cleaned using water jets, as per manufacturer instructions.
- If the ice maker has been unused for an extended period, it must be thoroughly cleaned before reuse.
 - Follow instructions carefully for any cleaning or sanitising solution.
 - Do not leave any cleaning solution inside the unit.

Maintenance Tips

Regular cleaning and maintenance ensure:

- Efficient operation
- Optimal performance
- Hygiene
- Extended service life

🕒 Intervals may need to be shortened in dusty environments, if pets are present, or if the unit is used outdoors.

What Not to Do

- Do not store anything in the ice storage bin that isn't ice.
Bottles (e.g. wine or beer) are unsanitary, and their labels may detach, blocking the drain.

Exterior Cleaning

- Use a solution of 28 g of dishwashing liquid in 7.5 L of warm water.
- Use a soft sponge or cloth — avoid solvents, abrasive cleaners, or harsh chemicals.
- Wipe down with clean water and dry with a soft, clean towel to avoid water spots.

⚠ The side stainless steel panel may discolour if exposed to chlorine gas. Clean it with mild detergent and warm water using a damp cloth only.

Interior Cleaning – Ice Storage Bin

The ice bin should be sanitised:

- Before the first use
- After long-term storage
- After cleaning the ice-making system

Cleaning Steps

1. Unplug the unit.
2. Open the door, and use a clean cloth to wipe the interior with a sanitising solution:
 - a. Mix 28 g of household bleach or chlorine with 7.5 L of hot water (35°C–46°C).
3. Rinse thoroughly with clean water.
 - a. Waste water will be drained via the drain pipe.
4. Reconnect power to resume operation.

 The ice scoop should be washed regularly, just like any other food-safe utensil.

⚠ WARNING! DO NOT use solvent-based cleaning agents or abrasive materials on the interior. These cleaners may affect the taste of the ice cubes or cause damage and discolouration to the interior surfaces.

Ice-Making Parts Cleaning

To ensure hygienic ice production and maintain performance, it is important to periodically clean key components of the ice-making system.

1. Clean the Water Tank and Internal Parts

Follow the earlier cleaning instructions for the water tank and other interior components.

2. Clean the Water Dividing Pipe (Located Above the Evaporator)

If the compressor and water pump are working normally but water flow from the water dividing pipe is weak or absent:

- a. Remove the water dividing pipe (refer to illustration).
- b. Carefully clean each small hole along the pipe to ensure none are blocked.
- c. Reinstall the pipe in its original position.

3. Water Quality Consideration

The required cleaning frequency depends on your water quality.

Regular draining and cleaning extends the lifespan of the unit and water pump.

4. Removing Stuck Ice from the Evaporator

If ice is stuck to the evaporator surface and does not fall off easily:

- Do not use any mechanical tools or force.
- Instead, press and hold the “ON/OFF” button for 5 seconds to initiate the ice-melting process.
- After the ice has fallen:
 - Turn off the unit.
 - Unplug it.

- Wipe down and clean the evaporator surface carefully.

5. Clean the Water Tank & Ice-Full Detecting Plate

These parts are essential for producing clean and safe ice.

Cleaning Instructions:

- a. Fill a spray bottle with a neutral cleaner and water mixture.
- b. Spray the solution onto all inner surfaces of the water tank and ice-full detecting plate.
- c. Wipe down thoroughly with a clean cloth.
- d. Rinse by spraying clean water over the surfaces.
- e. Dry with a clean, dry cloth.
- f. Drain the rinsing water using the water tank drain pipe (labelled "H").
- g. Once drained, reinstall the water tank's drain pipe securely.

 **Suggestion:** After cleaning and reassembling all parts, allow the unit to resume operation, but discard the first batch of ice cubes to ensure cleanliness.

Cleaning the Ice-Making Assembly System

Minerals in the water can build up over time, forming scale deposits inside the ice-making system. Regular cleaning helps prevent performance issues and extends the life of your appliance.

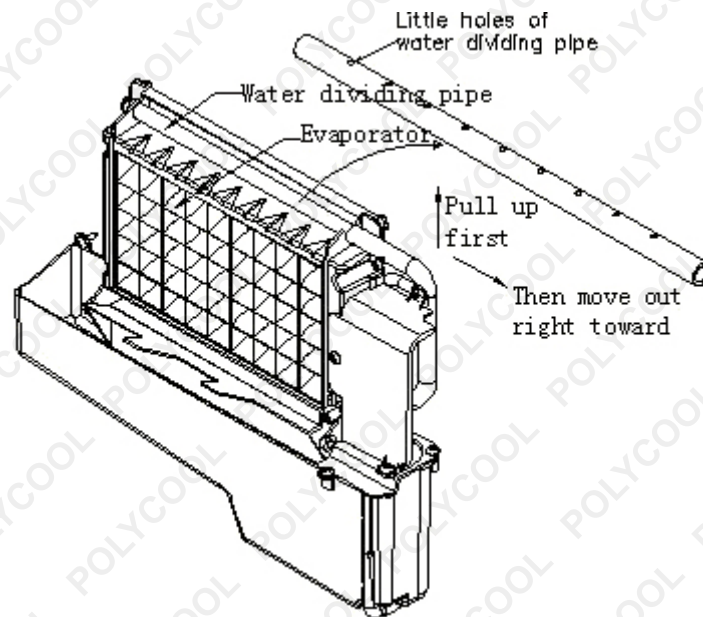
 **Recommendation:** For hard water (4–5 grains/litre), clean the system every 6 months.

Cleaning Steps:

1. **Turn off the ice maker.**
 - a. Keep the unit connected to the water supply and drain pipe.
 - b. Turn off the main water tap.
2. **Remove the ice.**
 - a. Open the door and remove all ice cubes.
 - b. Discard them or store in an ice chest or cooler.
3. **Prepare the cleaning solution.**
 - a. In a plastic or stainless steel container (min. 4 L capacity), mix:
 - 300 ml Nu-Calgon Nickel-Safe Ice Machine Cleaner
 - 2.8 L warm water (50–60 °C)
 - b. Split the solution evenly between 2 cups.

 **WARNING!** Wear rubber gloves and safety goggles (or face shield) when handling cleaner or sanitiser.

4. **Check drain pipe position.**
 - a. Ensure the water tank's drain pipe is securely installed in the wall slot.
 - b. Pour one cup of cleaning solution into the water tank and wait 5 minutes.



5. Start the self-cleaning program.

- a. Plug in the ice maker.
- b. Press and hold the “TIMER/CLEAN” button for more than 5 seconds.
- c. The cleaning program runs for 20 minutes, cycling as follows:
 - Water pump runs for 8 mins
 - Pauses for 3 mins
 - Repeats one more cycle
- d. The  symbol stays lit during this time.
- e. The timer display shows the remaining time.
- f. This process cleans the water dividing pipe, evaporator, water pump, silicone pipe, and water tank.

6. Drain the cleaning solution.

- a. After the cycle completes, pull out the water tank drain pipe.
- b. Allow solution to drain into the lower storage bin.
- c. Tilt the unit gently to remove any remaining liquid.
- d. Reinstall the drain pipe.

7. Repeat steps 4–6 to run the cleaning cycle a second time with the remaining solution.

⚠ WARNING! The cleaner contains acid. **DO NOT** mix with other chemicals or cleaners. Always wear gloves. Read all safety instructions on the product label.

8. Reconnect the water supply.

- a. Turn on the water tap.
- b. Press and hold the “TIMER/CLEAN” button again to flush the system with clean water.

9. Repeat the rinse cycle.

- a. As before, the program runs for 20 minutes (2 cycles of 8+3 minutes).
- b. Flushes out remaining cleaner residue.

10. Drain and reinstall.

- a. After rinsing, drain water from the tank and reinstall the drain pipe tightly.

11. Repeat steps 8–9 two more times for a total of 3 full rinse cycles.**12. Clean the ice storage bin using the same process.****13. Finish up.**

- a. After final rinsing, the unit is ready for use.
- b. Discard the first batch of ice after cleaning.

Cleaning Suggestions

1) Daily Cleaning

- Clean the ice scoop, door, and water dividing pipe.
- Rinse the ice scoop and wipe down the door with a clean cloth daily.

2) Semi-Monthly Cleaning

- Clean the following every 2 weeks:
 - Ice scoop, ice bin, water tank, ice-full detecting plate, evaporator surface.
- Follow the [Interior Cleaning](#) procedure.

3) Semi-Annual Cleaning

- Clean all water/ice-exposed components every 6 months:
 - Ice storage bin, tank, door, evaporator, water pump, silicone tube, dividing pipe, etc.
- Use Nu-Calgon Nickel-Safe Ice Machine Cleaner.
- Cleaning should be done by a qualified service technician, following the full system cleaning program.

Preparing the Ice Maker for Long-Term Storage

If storing the unit for an extended period or relocating it:

1. Allow all ice to be ejected from the evaporator.
2. Turn off the unit and unplug it from the power point.
3. Drain all water from the system following the [Water Drainage](#) instructions.
4. Once drained, reinstall the water tank's drain pipe.
5. Disconnect the grey drainage pipe from the main drainage line or floor waste and re-fit the drain cap.
6. Leave the door open to allow airflow and prevent mould or mildew.
7. Keep the power cord unplugged until the unit is needed again.
8. Dry the interior and wipe down the exterior with a clean cloth.
9. Cover the unit with a plastic bag to protect it from dust and dirt.

Troubleshooting

Problem	Possible Cause	Solution
The water supply symbol stays on 	No water in unit	Water pressure may be too low or the supply hose may be blocked. Check and clean the hose. Increase water pressure if needed.
	Water level float switch is stuck	Clean the water tank and the float switch.
	Water leaking from the side of the tank	Place the unit on a level surface. Do not install on a slope.
	Water leaking from the drain pipe	Ensure the pipe is reinstalled correctly into the tank's side slot.
Unit enters ice-making process, but no water flows, and the water symbol is on 	No water in charging tank, blocked supply, or silicone pipe is not fitted correctly	Check the supply pressure and hose condition. Make sure the silicone pipe is clamped correctly into the tank slot.
Water pump works, but no water flows from the water dividing pipe	Holes in the water dividing pipe are blocked	Clean all holes in the water dividing pipe.
Water circulation pump not working	Blockage in pump blade due to debris in the tank	Clean both the water tank and the pump.
Poor ice cube clarity	Low water quality	Use a water filter or purifier to improve water quality.
Irregular ice cube shape	Dirty tank or poor water quality	Clean the tank and refill with fresh water.
	Partially blocked holes in water dividing pipe	Ensure all holes (9 total) are clear.
Ice cubes are too thin	Ambient temperature too high	Move the unit to a cooler location or increase ice-making time.
	Poor air circulation	Ensure there is at least 20 cm clearance at the rear and front.
Ice cubes are too thick	Ambient temperature too low	Decrease the ice-making time.
"ICE FULL" symbol is on	Ice bin is full	Remove some ice cubes from the bin.
Ice-making cycle runs, but no ice is produced	Water or ambient temperature is too high	Move the unit to an area below 32 °C and use cooler water.
	Refrigerant leak or E2 error code displayed	Contact a qualified service technician.
	Clogged cooling system	Contact a qualified service technician.

Error Codes – Unit Malfunctions

When a fault occurs, the error code will appear on the left side of the LCD display window.

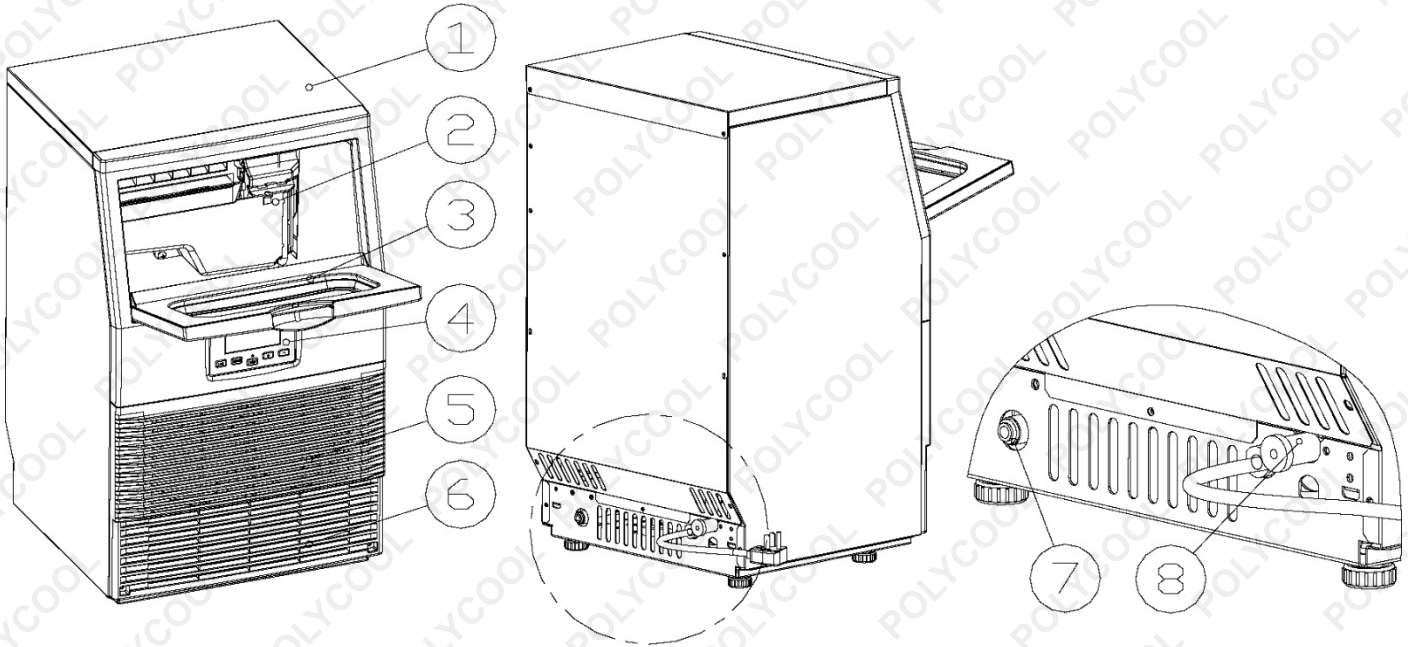
Error Code List

- **E1** – Ambient temperature sensor malfunction
- **E2** – Ice-making process fault, which may include:
 - Ice cubes are too large
 - Ice is not falling properly
 - Ice is not forming

Note: During the ice-making cycle, if you press and hold the “ON/OFF” button for more than 5 seconds, the unit will forcefully enter the ice-harvest process. After harvesting is complete, the unit will automatically return to ice-making mode.

Parts Identification

Main Unit

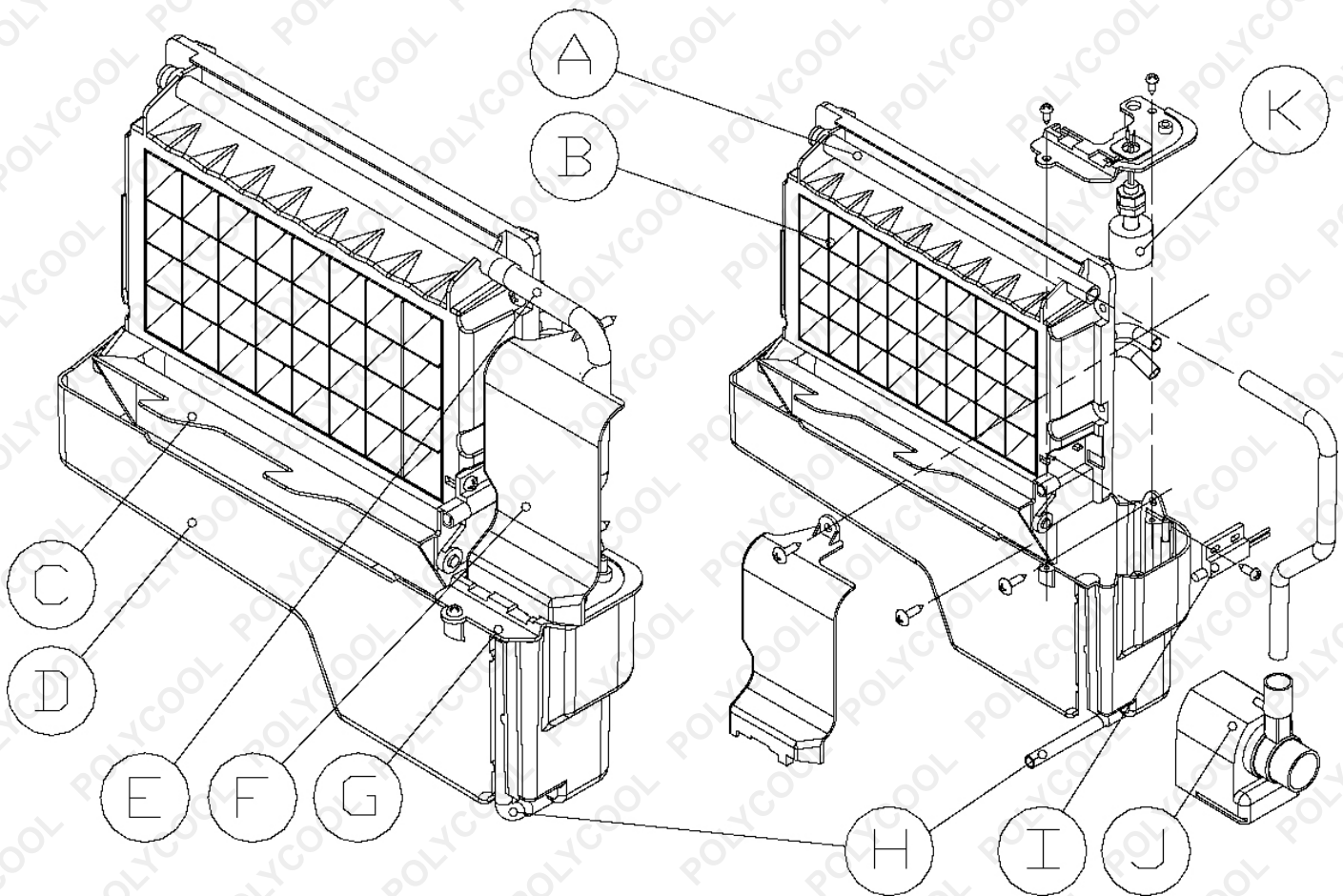


10. **Top Cover:** Covers and protects internal components.
11. **Ice-Making & Water Tank Assembly:** Includes the ice-making evaporator, water tank, water charging tank, water pump, and sensor components.
12. **Door for Ice Access:** Opens to allow retrieval of ice.
13. **Operation Panel:** Interface for controlling the unit's functions.
14. **Air Outlet:** Hot air is expelled from this vent during operation. Ensure unobstructed airflow to maintain efficiency.
15. **Air Inlet:** Allows ambient air into the unit for cooling. Must remain free of obstructions.
16. **Main Water Supply Inlet:** Connection point for the main water supply line.
17. **Water Drain Port:** Comes pre-sealed with a cap. Remove the cap and connect the grey drain pipe when draining is required.

Accessories:

- Approx. 2-metre grey drain hose
- ¼" to ½" quick-connect water fitting (for tap connection)
- Ice scoop
- Ø6.35 mm white water supply hose

Exploded View



- A. **Water Dividing Pipe:** Contains eight small holes that release water during ice-making. Can be disassembled and cleaned if water fails to flow.
- B. **Evaporator (Ice-Making Module):** The core component responsible for forming ice.
- C. **Ice Full Detecting Board:** Detects whether the ice cabinet is full. Also checks whether the ice-harvest process has finished.
- D. **Water Tank (for Circulation):** Holds approximately 0.9 litres of water. Facilitates water recirculation during ice-making.
- E. **Water Supply Pipe:** Delivers water to the system from the tank.
- F. **Right-Side Evaporator Cover:** Protective panel for the right side of the evaporator.
- G. **Water Level Switch Mounting Plate:** Base plate used to secure the water level switch.
- H. **Water Drain Pipe (Tank Side):**
 - During ice-making: clamp the pipe into the slot on the tank wall.
 - During draining: pull the pipe out to release water.
- I. **Ice Full Detector:** Senses when the ice bin has reached full capacity.
- J. **Water Circulation Pump:** Recirculates water from the tank through the system.
- K. **Water Level Detecting Switch:** Monitors water levels to control filling and prevent overflow.

Specifications

Input Voltage	220-240V/50Hz
Power (Watts)	180W
Ice Shape	Cube
Body Material	HD Polymer
Production Capacity	35kg/24hr
Ice Storage Capacity	4kg/10L
Power Cord Length	2.2m
Installation Type	Freestanding, Benchtop
Adjustable Feet	Yes
Certification	SAA, Watermark

Note: Cycle time varies depending on ambient temp



Some experts believe that the incorrect or prolonged use of almost any product may cause serious injury or death. To help reduce your risk of serious injury or death, refer to the information below. For more information, see www.datastreamserver.com/safety

- Consult all documentation, packaging, and product labelling before use. Note that some products feature documentation available online. It is recommended to print and retain the documentation.
- Before each use, check the product for loose/broken/damaged/missing parts, wear, or leaks (if applicable). Never use a product with loose/broken/damaged/missing parts, wear, or leaks.
- Products must be inspected and serviced (if applicable) by a qualified technician every 6 months. This is based on average residential use by persons of average size and strength, and on a property of average metropolitan size. Use beyond these recommendations may require more frequent inspections/servicing.
- Ensure that all users of the product have completed a suitable industry recognised training course before being allowed access to the product.
- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or description of application. Be sure to attain third-party approval from a qualified specialist for your application before use, regardless of any assurances from the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (for example, automobile, computer, toaster), there is the possibility of technical issues that may require the repair or replacement of parts, or the product itself. If the possibility of such failure and the associated time it may take to rectify could in any way inconvenience the user, business, or employee, or financially affect the user, business, or employee, then the product is not suitable for your requirements. This product is not intended for use where incorrect operation or a failure of any kind, including but not limited to, a condition requiring product return, replacement, parts replacement, or service by a technician may cause financial loss, loss of employee time or an inconvenience requiring compensation.
- If this product has been purchased in error when considering the information presented here, contact the retailer directly for details of their returns policy, if required.

