LeCavist

Instruction Manual

BUILT-IN

ICE MAKER



www.lecavist.com

MODEL: LCIMOD80X

CONGRATULATIONS

Congratulations and thank you for choosing LeCavist. Your new LeCavist built-in ice maker has been designed to produce fresh, clear ice cubes on demand, ready for every occasion.

This appliance complies with all relevant safety requirements in Australia. Inappropriate use can, however, lead to personal injury and damage to property.

In order to operate the appliance correctly and safely, please read this instruction manual carefully before installation and use. It provides all the instructions you need regarding the safety, installation, use and maintenance of the appliance.

For future reference, please store this booklet in a safe place and ensure that all users are familiar with its contents. Pass it on to any future owner of the appliance.

! IMPORTANT

Adherence to the directions for use in this manual is extremely important for health and safety. Failure to strictly adhere to the requirements in this manual may result in personal injury, property damage, and affect your ability to make a claim under the LeCavist manufacturer's warranty provided with your product. Products must be used, installed, and operated in accordance with this manual. You may not be able to claim on the LeCavist manufacturer's warranty in the event that your product fault is due to failure to adhere to this manual.

Correct Conditions of Use

- The appliance is intended for use in the home or outdoor.
- The appliance is not suitable for non-stationary installation. It is rated for outdoor or marine use.
- This ice maker is designed solely to make ice from potable (drinking) water. It is not a freezer and must not be used to store food, drinks or any other items.

i NOTE

Installation must comply with the valid standards, regulations and laws. All safety and warning information and the operating and installation instructions must be complied with.

Record Model & Serial Number

Model: _____

Serial Number: _____

Register your product at **www.lecavist.com**

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Additional information on products, accessories, warranty, replacement parts and services can be found at **www.lecavist.com**

1. GENERAL INFORMATION

1.1 Appliance Information

- A damaged appliance can be dangerous. If you find the appliance is damaged or marked, you must report it within **7 days** if you wish to claim for damage/marks under the manufacturer's warranty. This does not affect your statutory rights. Do not use a damaged appliance.
- Faulty components must only be replaced by genuine LeCavist spare parts. The manufacturer can only guarantee the safety of the appliance when LeCavist replacement parts are used.
- If the power cord is damaged, it must only be replaced by a LeCavist authorised service technician or a suitably qualified electrician in order to avoid a hazard.
- The manufacturer's warranty will be invalidated if the appliance is not repaired by a LeCavist approved service technician.
- LeCavist cannot be held liable for non-compliance with these instructions resulting from incorrect or improper use or operation.

2. GENERAL SAFETY INSTRUCTIONS

This appliance complies with the stipulated safety requirements in Australia. The user is responsible for cleaning and maintaining the appliance, as well as for its safe use. Improper use can lead to personal injury and damage to property.

Safety Symbols Used in This Manual

Your safety and the safety of others are very important. Important safety messages are provided in this manual and on your appliance. Always read and obey all safety messages.

⚠ **DANGER**	Failure to observe this safety statement may result in severe personal injury or death.
⚠ **WARNING**	Failure to observe this safety statement may result in extensive product damage, serious personal injury or death.
⚠ **CAUTION**	Failure to observe this safety statement may result in minor or moderate personal injury, or property or equipment damage.

All safety messages identify the potential hazard, explain how to reduce the risk of injury and describe what can happen if the instructions are not followed.

2.1 General Safety Information

Children and Vulnerable Persons

> ⚠ **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 use of the appliance by a person responsible for their safety.

- The appliance is NOT suitable for use by children without supervision.
- Young children should be supervised to ensure they do not play with the appliance. Never allow children to operate, play with or crawl inside the ice maker.
- Children may wrap themselves in packaging material or pull it over their heads, with the risk of suffocation. Keep all packaging material away from children.

Unauthorised Modifications

Unauthorised modifications can cause the appliance to pose risks. Do not carry out any modifications to the appliance. Do not attempt to repair or replace any part of the ice maker unless it is specifically recommended in this manual. All other servicing must be referred to a LeCavist authorised service technician.

Cleaning & Maintenance

- The appliance must be cleaned regularly. Dirt and scale can damage the appliance, affect ice quality and cause odours.

- Always clean the appliance exactly as described in this manual.
- Before any cleaning or maintenance, switch off and unplug the appliance (or switch off at the circuit breaker) **and** shut off the water supply. Failure to do so can result in electric shock or death.
- Never clean ice maker parts with flammable fluids. Do not store or use petrol or other flammable vapours and liquids in the vicinity of this or any other appliance – the fumes can create a fire or explosion hazard.
- Do not use a steam cleaner. Steam can reach electrical components and cause a short circuit.
- In areas subject to infestation by cockroaches or other vermin, keep the appliance and its surroundings clean at all times. Damage caused by cockroaches or other vermin is not covered by the warranty.

2.2 Safety Instructions – Installation

- To avoid any potential hazard, the installation instructions in this manual must be followed. We strongly recommend that your ice maker is installed by a qualified professional. The warranty may be affected or voided by incorrect installation.
- Use two or more people to move and install the ice maker. Failure to do so can result in back or other injury.
- During installation, maintenance and repair work, the appliance must be disconnected from the mains electricity supply. It is only completely isolated from the electricity supply when:
  - the mains circuit breaker is switched off, or
  - it is switched off at the wall socket and the plug is withdrawn from the socket.

> ⚠ **WARNING – Electrical Shock Hazard**
>
> **THIS APPLIANCE MUST BE PROPERLY EARTHED.** It is most important that this basic safety requirement is present and tested regularly. Where there is any doubt, the household wiring system must be inspected by a licensed electrician.
>
> - Plug only into a correctly earthed Australian 3-pin power outlet (220–240 V AC, 50 Hz) installed in accordance with AS/NZS 3000.
> - Never cut or remove the earth pin from the plug.
> - Never use an adaptor, multi-socket power board or extension lead – they are a fire hazard and do not guarantee the required safety of the appliance.
>
> Failure to follow these instructions can result in fire, electric shock or death.

- A dedicated circuit serving only the ice maker is recommended. Use a power outlet that cannot be accidentally switched off.
- Do not kink, pinch or crush the power cord between the ice maker and the wall or cabinetry.
- After installation, the power plug or circuit isolating switch must remain easily accessible so the appliance can be disconnected quickly in an emergency.
- All water and drainage connections must comply with AS/NZS 3500 and local plumbing regulations. Installation by a licensed plumber is recommended.
- Make sure hoses are not pinched, kinked or damaged during installation, and check for leaks once the water line is connected.
- Do not damage the refrigerant circuit.
- Do not install the ice maker next to ovens, grills or other sources of high heat.
- Install the ice maker in a well-ventilated area where the ambient temperature remains between **7 °C and 38 °C**. The front ventilation grille must be kept completely unobstructed.

2.3 Correct Use and Operation

- For safety reasons, this appliance may only be used after it has been fully installed.
- Before using the appliance, remove all packaging materials and check that the connection data on the rating plate [voltage (V) and frequency (Hz)] corresponds to your household power supply. Consult a licensed electrician if in doubt.
- Although the appliance has been tested and cleaned at the factory, the **first batch of ice must be discarded** due to the length of transport and storage.
- Turn on the water supply tap before switching on the ice maker. **Never turn off the water supply while the ice maker is operating.**

- Never touch the evaporator while the ice maker is operating.
- Except when removing ice, keep the door closed to reduce melting and ensure proper ice formation.
- Do not store anything other than ice in the ice storage bin. Bottles and cans are unhygienic, and labels can come loose and block the drain.
- Do not use solvent-based cleaning agents or abrasives on the interior. These cleaners can taint the ice or damage and discolour the interior.
- Ice machine cleaner contains acids. Do not use or mix it with any other solvent-based cleaning products. Wear rubber gloves to protect your hands and carefully read the safety instructions on the cleaner container.
- If the ice maker has not been used for a long period, clean it thoroughly before using it again (see section 6). Do not leave any cleaning or sanitising solution inside the ice maker after cleaning.
- Do not connect or disconnect the plug with wet hands. Never unplug the appliance by pulling on the power cord – always grip the plug firmly and pull it straight out of the outlet.
- Do not store or use flammable materials, such as aerosol cans, in or near the appliance.
- Do not use the appliance for any purpose other than its intended use.

> ⚠ **WARNING – Flammable Refrigerant**
>
> The refrigerant circuit contains propane (R290), a natural gas with high environmental compatibility, which is flammable. During transportation and installation, ensure that none of the components of the refrigerant circuit become damaged.

2.4 Disassembling and Disposal of the Appliance

(See section 8 "Environmental Tips" for best practice on disposing of this appliance.)

- The appliance must only be disassembled by trained specialists who are familiar with and comply with national standards and the supplementary regulations of local utility companies.
- Work on electrical components must only be carried out by a licensed electrician.
- Work on the refrigerant circuit must only be carried out by a licensed refrigeration technician, as the refrigerant (R290) is flammable.

2.5 Accessories and Spare Parts

- Incorrect components can lead to personal injury or damage to the appliance. Only use genuine LeCavist spare parts for repairs.
- Modifications, additions or alterations to the appliance can lead to safety risks. If spare parts or accessories from other manufacturers are used, the warranty will be invalidated and LeCavist cannot accept liability.
- Please visit **www.lecavist.com** for more information.

SAVE THESE INSTRUCTIONS

3. INSTALLATION INSTRUCTIONS

> ⚠ **WARNING – Excessive Weight Hazard**
>
> Use two or more people to move and install the ice maker. Failure to do so can result in back or other injury.

Before Using Your Appliance

- Remove all exterior and interior packaging, including tape and any transit protection.
- Inspect the appliance for any transit damage. Report any damage or marks within **7 days** (see section 1.1). Do not use a damaged appliance.
- **Do not remove any permanent instruction labels or the rating plate** from the ice maker.
- To remove any remaining tape or glue, rub the area briskly with your thumb, or rub a small amount of liquid dishwashing detergent over the adhesive with your fingers. Wipe with warm water and dry. Do not use sharp instruments, methylated spirits, flammable fluids or abrasive cleaners, as these can damage the surfaces.
- Before connecting the ice maker to the power supply, let it stand upright for approximately **2 hours**. This reduces the possibility of a malfunction in the refrigeration system caused by handling during transport.
- Clean the interior of the ice maker before first use – see "Interior Cleaning" in section 6.1.

Positioning & Levelling

Your LeCavist ice maker is designed for **built-in (under-bench)** or **freestanding** installation.

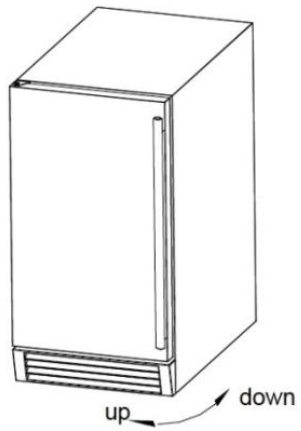
- This ice maker should be installed by qualified personnel.
- The appliance draws in and expels air through the front grille. The front of the unit must be kept completely unobstructed to ensure proper ventilation.
- Choose a well-ventilated location where the ambient temperature remains between **7 °C and 38 °C** all year round.
- Do not install the appliance next to ovens, grills, heaters or other sources of high heat, in direct sunlight, outdoors or in damp areas.
- Install the appliance on a firm, level floor that is strong enough to support it when it is full of ice.
- When installed freestanding, allow a minimum clearance of **102 mm at the rear** and **25 mm at the top and sides** for air circulation.
- Position the ice maker so that the water supply, drain and power outlet are within easy reach. A power outlet and water tap located directly behind or beside the ice maker makes installation easier.

Levelling the Ice Maker

The ice maker must be level to work properly. Otherwise, water will not flow evenly across the evaporator (ice mould), ice production will be lower than normal and the appliance may be noisy.

IMPORTANT: Before you begin, unplug the ice maker or switch off the power.

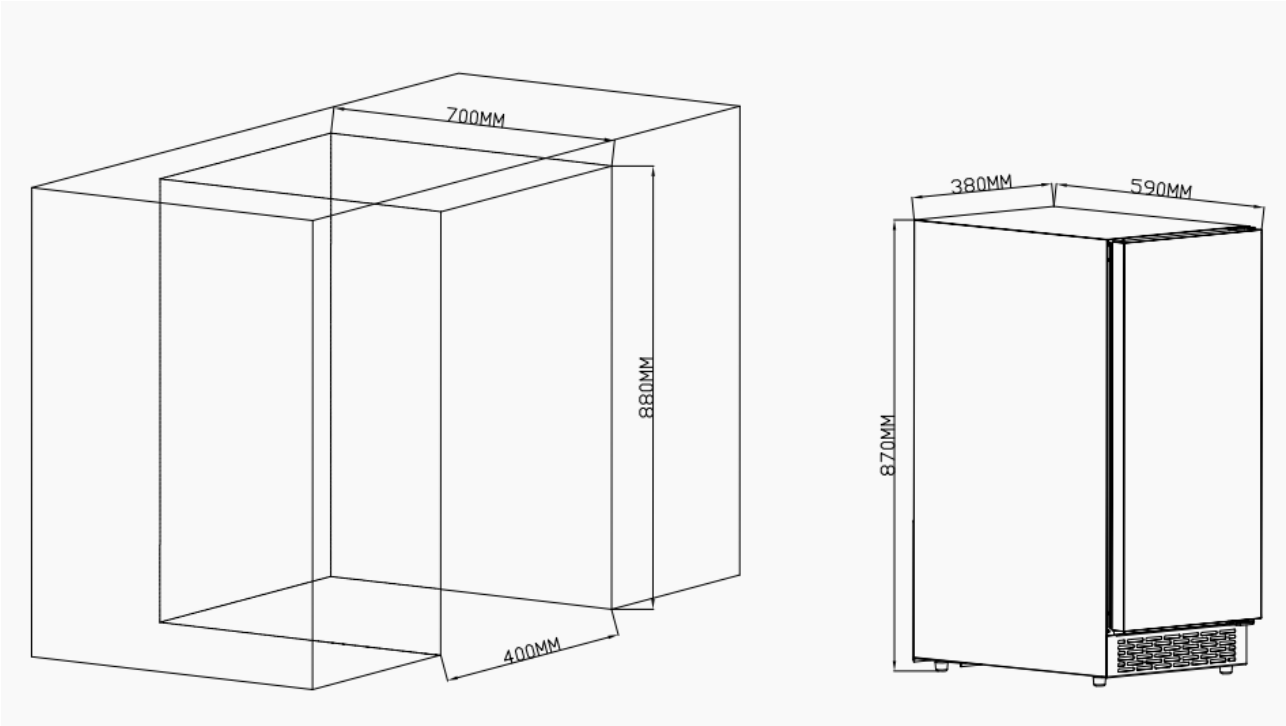
1. Place a spirit level on top of the ice maker and check that it is level from front to back and from side to side.
2. Raise or lower the appliance by turning the adjustable feet: turn clockwise to lower and anticlockwise to raise (see illustration).
3. Repeat the check and adjust as required. Several adjustments may be needed.



Ventilation & Cutout Dimensions

For built-in installation, the recess (cutout) must meet the minimum dimensions below. Always keep the front ventilation grille unobstructed.

	Width	Height	Depth
Appliance dimensions	380 mm	870 mm	590 mm
Minimum recess (cutout) dimensions	386 mm	876 mm	622 mm



Built-in installation – recess dimensions (W × H × D): 386 × 876 × 622 mm

Electrical Connection

⚠ **WARNING – Electrical Shock Hazard**

- Plug into an earthed 3-pin outlet.
- Never remove the earth pin from the plug.
- Never use an adaptor, power board or extension lead.

Failure to follow these instructions can result in fire, electric shock or death.

- A standard Australian electrical supply of **220–240 V AC, 50 Hz**, protected by a **10 A** circuit breaker and correctly earthed in accordance with AS/NZS 3000 and local regulations, is required.
- The ice maker should always be plugged into its own individual power outlet with a voltage rating matching the rating plate on the appliance. This provides the best performance and prevents overloading household circuits, which could cause a fire hazard from overheated wiring.
- A dedicated circuit serving only the ice maker is recommended. Use an outlet that cannot be switched off accidentally. Protection by a residual current device (RCD) is recommended.
- For your personal safety, this appliance must be earthed. It is fitted with a power cord with an Australian 3-pin earthed plug. If a suitable earthed outlet is not available, it is your responsibility to have one installed by a licensed electrician.
- Repair or replace immediately any power cord that has become frayed or otherwise damaged. Do not use a cord that shows cracks or abrasion damage. Take care not to damage the power cord when moving the ice maker.
- Because of potential safety hazards, **do not use an extension lead** with this ice maker.

Plumbing Connections – Water Supply

The water supply must be ready at the installation point before the ice maker is installed.

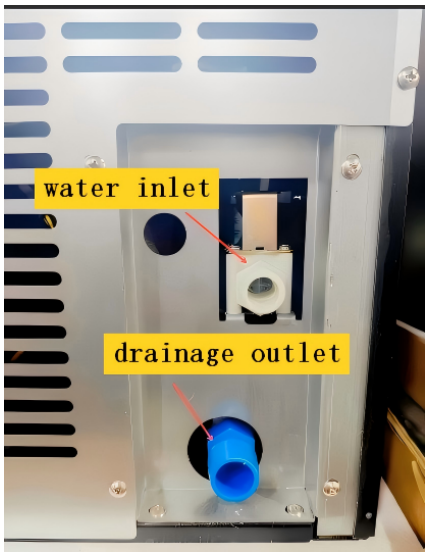
Requirement	Specification
Water type	Cold, potable (drinking) mains water
Water supply pressure	100–550 kPa (1.0–5.5 bar / 15–80 psi), continuous supply
Water supply temperature	5 °C to 32 °C
Supply connection	Shut-off valve (isolating tap) on the cold water supply

- A water filter is strongly recommended. A suitable filter removes particles as well as tastes and odours.
- Some water is very hard. Water that has been softened may produce white, soft cubes that stick together. Deionised water is not recommended.

! IMPORTANT

1. All installations must comply with AS/NZS 3500 and local plumbing regulations. Installation by a licensed plumber is recommended.
2. Make sure hoses are not pinched, kinked or damaged during installation.
3. Check for leaks after connection.

Rear Connection Points



Water inlet (top) and drainage outlet (bottom) at the rear of the ice maker

IMPORTANT: When connecting the water supply hose and drain hose, pay attention to the "Water inlet" and "Drain outlet" markings on the appliance.

Water Supply Options

Your ice maker can be connected either to a mains water tap or to a water purifier/filter system using the accessories supplied (see "Included Accessories" in section 4).

Water source	Accessories used	Connection
Mains water tap	① Water inlet hose (mains) ② Adaptor	Connect one end of hose ① to the cold water tap. Use adaptor ② to connect the other end of hose ① to the water inlet at the rear of the ice maker.
Water purifier / filter	③ Water inlet hose (purifier) ④ Quick connector	Connect one end of hose ③ to the water purifier. Insert the other end of hose ③ into quick connector ④, then fasten ④ to the water inlet at the rear of the ice maker.

i NOTE

A sealing washer is pre-installed inside quick connector ④. Ensure the washer is correctly seated before fastening ④ to the water inlet. Water may leak from the inlet if the washer is missing.

Tools Required

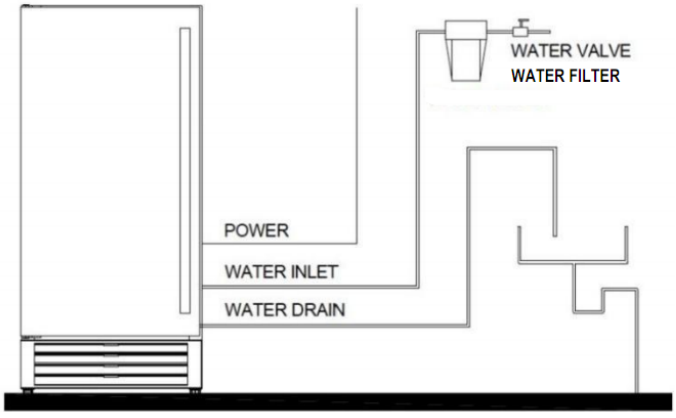
Open-ended spanner (approx. 13 mm) and Phillips-head screwdriver.

Connecting the Water Line

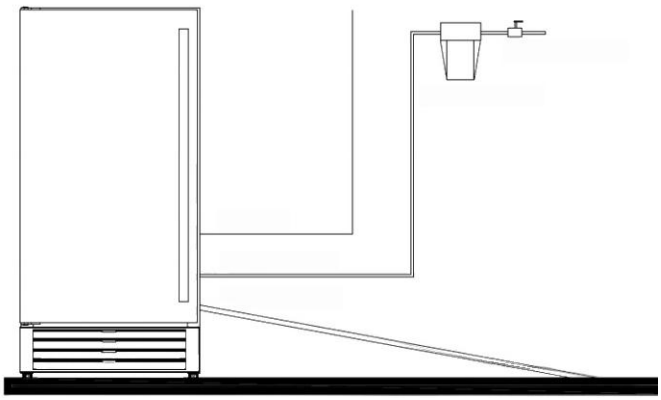
1. Turn off the main water supply. Turn on the nearest tap long enough to clear the line of water.
2. Locate a vertical cold water pipe (DN15–DN20 / ½"–¾") near the installation location. The distance should be less than 1.8 m, as the water supply hose provided is approximately 1.8 m long.
3. A shut-off valve must be installed on the water supply. If the pipe is plain copper tubing, fit a suitable compression fitting for 6.35 mm (¼") outside-diameter tubing.
4. Connect the nut of the water supply hose to the tap and connect the other end to the water inlet of the ice maker. Tighten firmly by hand, then a further half turn with a spanner. Do not over-tighten.
5. Turn on the main water supply and the tap. Check all connections (including the connection at the water inlet) for leaks and tighten if necessary.

Plumbing Connections – Drainage

You must connect the drain line before using the ice maker. This ice maker is fitted with an **internal drain pump**, which can pump water to a height of up to **1.5 m** or over a horizontal distance of up to **4 m**.



Installation with a standpipe and trap



Installation with a floor drain

Drainage Accessories

- ⑤ **Drain hose** – connects the drain outlet at the rear of the ice maker to the drain.
- ⑥ **Hose connector** – joins hose ⑤ to an additional hose if you need to extend the drain line.

- ⑦ **Hose clamps** – secure hose ⑤ to the drain outlet. When extending the drain line, also use a clamp ⑦ to fasten hose ⑤ onto connector ⑥.

Connecting the Drain Line

NOTE: If there is a drain line near the ice maker, the best option is to drain the water into it using the drain hose provided.

1. Locate a floor drain or standpipe near the ice maker. The distance should be less than 1.5 m, unless the drain line is extended (see pump limits above).
2. Connect drain hose ⑤ to the drain outlet on the back of the ice maker and secure it with clamp ⑦. Insert the other end of the hose into the drain.
3. Any horizontal run of drain line should have a fall of at least 20 mm per metre (2%). An air gap is required between the end of the drain hose and the drain/waste receptacle. A standpipe with a trap below it, or a floor drain, is an acceptable drain/waste receptacle.
4. Pour approximately 4 L of water into the ice storage bin to check the drainage system for leaks. Tighten any connections that leak.

! IMPORTANT

This ice maker is **not a freezer**. Ice in the storage bin melts gradually; the meltwater is recycled or pumped away and fresh ice is produced automatically. Infrequent removal of ice will result in a higher rate of melting in the bin.

Final Checklist Before Operation

1. Have all packaging materials and tape been removed from the interior and exterior of the ice maker?
2. Has the ice storage bin been cleaned?
3. Have the installation instructions been followed, including connecting the appliance to water, drainage and electricity?
4. Has the appliance been levelled?
5. Is the ice maker located where the ambient temperature is between 7 °C and 38 °C and the water temperature is between 5 °C and 32 °C all year round?
6. Has the water supply pressure been checked to ensure it is between 100 kPa and 550 kPa?
7. Is the front ventilation grille unobstructed? If freestanding, is there a clearance of at least 102 mm at the rear and 25 mm at the top and sides?
8. Has the power supply been checked against the rating plate, and is the outlet correctly earthed?
9. Has the appliance stood upright for at least 2 hours, and is it now plugged in?
10. Have you turned on the main water supply and the tap?
11. Have you checked for leaks at all water supply and drain connections?

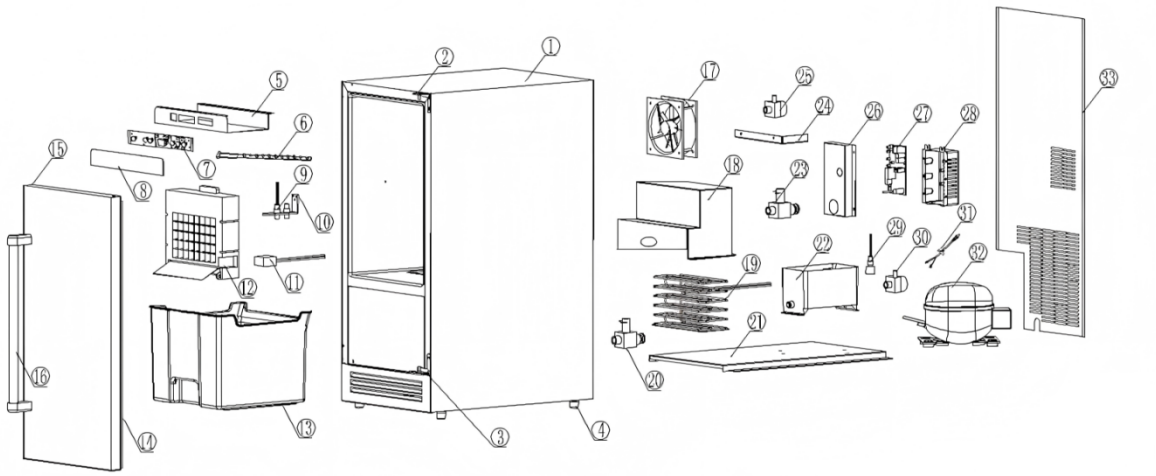
4. TECHNICAL DATA SHEET & PRODUCT OVERVIEW

Product Specifications

Specification	LCIMOD80X
Product	Built-in ice maker
Model	LCIMOD80X
EAN	0698147433265
Voltage / frequency	220–240 V AC, 50 Hz
Rated power (ice making / harvest)	320 W
Energy consumption	2.5 kWh / 12 h
Refrigerant	R290 (32g)
High / low side pressure	2.28 / 0.83 MPa (330 / 120 psig)
Ice-making capacity	Up to 34 kg per 24 hours
Maximum ice storage	12 kg
Ice shape / size	Cube, approx. 22 × 22 × 22 mm
Ice thickness settings	3 levels (L-1 thin / L-2 medium / L-3 thick)
Drainage	Built-in drain pump (max. 1.5 m lift / 4 m horizontal)
Installation type	Built-in (under-bench) or freestanding
Appliance dimensions (W × D × H)	380 × 590 × 870 mm
Minimum recess dimensions (W × D × H)	386 × 622 × 876 mm
Operating ambient temperature	7 °C to 38 °C
Water supply	5 °C to 32 °C; 100–550 kPa
Plug	Australian 3-pin earthed plug (AS/NZS 3112)
Net/Gross weight	34.5/37kgs
Packing dimensions (W × D × H)	430x645x920mm

The technical data and performance figures above are for reference only and are subject to change without notice. The actual quantity of ice produced per day varies with ambient temperature, water temperature and water conditions. Always refer to the rating plate on the appliance.

Component / Exploded Diagram & Parts List



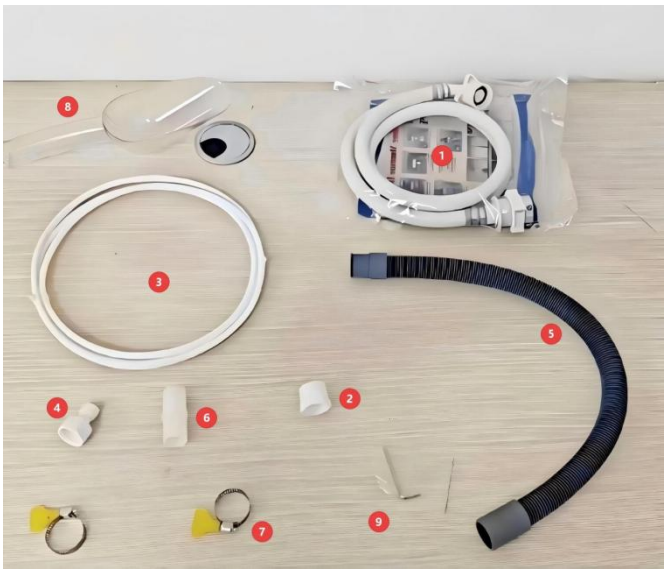
Exploded diagram of components (numbers refer to the parts list below)

No.	Part name	Qty	No.	Part name	Qty
1	Main cabinet	1 set	18	Condenser fan shroud	1
2	Upper door hinge assembly (right)	1	19	Condenser	1
3	Lower door hinge (right)	1	20	Solenoid valve (direct-acting, normally closed)	1
4	Adjustable foot	4	21	Base support plate	1
5	Control box assembly	1	22	Water tank (reservoir)	1
6	LED light strip assembly	1	23	Water inlet solenoid valve (pressure type, normally closed)	1
7	Display board	1	24	Water pump bracket	1
8	Control panel overlay	1	25	Water circulation pump	1
9	Water level sensor switch	1	26	Water pipe bracket	1
10	Water level switch bracket	1	27	Power supply board	1
11	Ice-full sensor switch	1	28	Power supply enclosure	1
12	Ice-making tray assembly	1	29	Water level sensor switch	1
13	Ice collection drawer	1	30	Drain pump	1
14	Door seal	1	31	Power cord	1
15	Foamed door assembly	1	32	Compressor with fittings & accessories	1

No.	Part name	Qty	No.	Part name	Qty
16	Door handle	1	33	Rear panel	1
17	DC fan	1			

Only use genuine LeCavist spare parts. When ordering, please quote the model (LCIMOD80X), serial number and part number/name.

Included Accessories

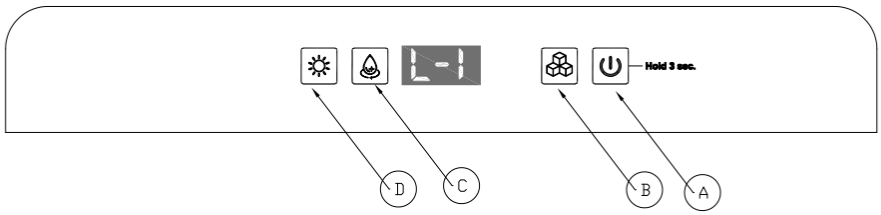


Accessories supplied inside the ice maker

No.	Accessory	Use
①	Water inlet hose (mains)	Connects the mains cold water tap to the ice maker
②	Adaptor	Connects hose ① to the water inlet at the rear of the ice maker
③	Water inlet hose (purifier)	Connects a water purifier/filter to the ice maker
④	Quick connector (with washer)	Connects hose ③ to the water inlet at the rear of the ice maker
⑤	Drain hose	Connects the drain outlet to the drain
⑥	Hose connector	Joins two drain hoses to extend the drain line
⑦	Hose clamps	Secure the drain hose to the drain outlet and connector
⑧	Ice scoop	For removing ice from the storage bin
⑨	Allen key	For fixing the door handle to the door

5. OPERATING YOUR APPLIANCE

Control Panel Layout & Button Functions



Control panel: A – Power | B – Ice thickness | C – Clean | D – Light

Button	Short press	Long press
A – Power On/Off	From standby ("– – –"), press for 1 second to start ice making. The display shows the current ice thickness (default "L-3").	While operating, press and hold: the display counts down 3 seconds and the ice maker stops. The display returns to "– – –" (standby).
B – Ice Thickness	Cycles through the ice thickness settings: "L-3" (thick, default), "L-2" (medium), "L-1" (thin).	–
C – Clean	Starts the cleaning cycle: the pump circulates water for 20 minutes, then the appliance drains for a further 2 minutes.	Hold for **5 seconds** to force an ice harvest. Use only if a malfunction occurs and the ice is too thick to release normally.
D – Light	Turns the interior LED light on or off.	Hold for **3 seconds** to enter drain mode. The compressor switches off and the water is pumped out.

Display Indications

Display	Meaning
– – –	Standby – the appliance is powered but not making ice.
L-3 / L-2 / L-1	Ice making in progress at the selected thickness.
□□□ (flashing)	The ice storage bin is full. Ice making resumes automatically once ice is removed; the display then shows the current thickness setting again.
Buzzer alarm	Drainage fault – see section 7 "Troubleshooting Guide".

Ice Thickness Settings

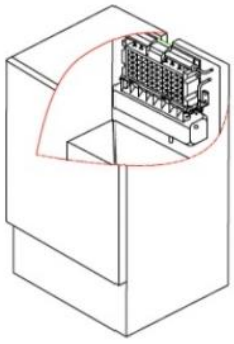
Setting	Ice thickness	Maximum ice-making time per cycle
L-3 (default)	Thick	Approx. 20 minutes
L-2	Medium	Approx. 15 minutes
L-1	Thin	Approx. 10 minutes

The thicker the ice, the longer each cycle takes. Actual cycle times vary with ambient and water temperature.

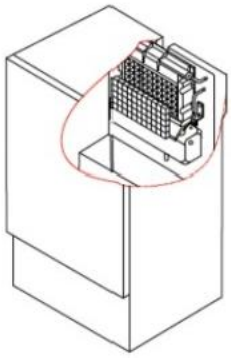
Operating Steps

1. Open the water supply tap.
2. Connect the ice maker to the power supply. The display shows "– – –" (standby).
3. Press the **Power** button **(A)** for 1 second. The display shows "L-3" (or the last selected thickness).
4. The compressor starts, the water inlet valve opens and the water trough begins to fill. To prevent the pump running dry, it waits 30 seconds before pumping water to the evaporator.
5. After approximately 3 minutes, the appliance enters the ice-making stage and you will hear water flowing.
6. If required, press the **Ice Thickness** button **(B)** to select L-1, L-2 or L-3.
7. **Discard the first batch of ice.**

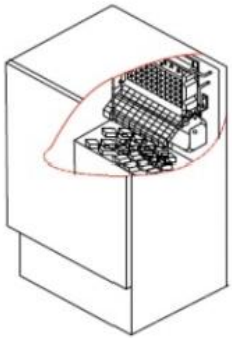
The Ice-Making Cycle



Ice-making stage



Ice harvest stage



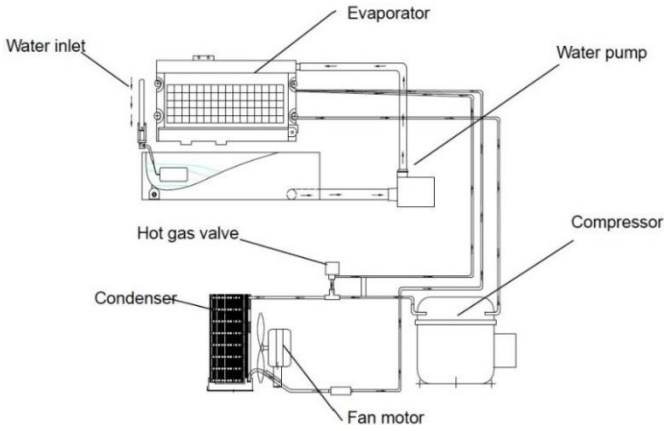
Bin-full stage

1. **Ice making:** water is circulated over the cold evaporator and gradually freezes into cubes.
2. **Ice harvest:** when the batch of ice is fully formed, it is automatically released into the ice storage bin.
3. **Bin full:** when the bin is full, the sheet of cubes cannot drop completely and holds the ice-full sensor open. The appliance stops making ice automatically and the display flashes "□□□".
4. When ice is removed and the bin is no longer full, the ice-full sensor swings back to its working position and the ice maker resumes production.
5. If ice is not removed and melts in the bin, the meltwater flows back to the reservoir and is reused for ice making. As the ice melts, the bin changes from full to not full and the appliance automatically starts making ice again.

How Your Ice Maker Makes Ice

There are two distinct cycles: **freeze** and **harvest**. A complete cycle takes approximately 10–20 minutes, depending on the thickness setting and operating conditions.

- **Freeze:** the compressor pumps refrigerant, the fan motor blows air across the condenser and the water pump circulates water over the evaporator. When the batch of ice is fully formed, the freeze cycle ends and the harvest cycle begins.
- **Harvest:** the compressor continues to run, but the water pump stops. The hot gas valve opens, diverting hot refrigerant gas into the evaporator. This warms the evaporator so that the cubes slide off as a sheet into the storage bin. The freeze cycle restarts once all cubes have been harvested and fresh water has entered the appliance.



Main components of the refrigeration and water system

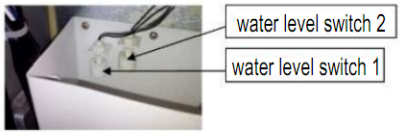
How Your Ice Maker Uses Water

The ice maker starts with a fixed charge of water in the water trough. As water flows over the freezing evaporator, the portion of water free of mineral impurities freezes onto the ice moulds, while water containing impurities falls back into the trough. During ice making, fresh water continuously enters the trough to replace the water being frozen – this is what produces clear ice cubes.

Drain Pump System

The drain pump system consists of the water reservoir, the control board, water level switches 1 and 2 and the drain pump.

- All overflow water and meltwater from the ice bin is collected in the water reservoir.
- When the water in the reservoir reaches its maximum level, water level switch 1 closes and signals the control board.
- The control board then runs the drain pump for approximately 20 seconds, pumping out most of the water in the reservoir.
- If the water cannot be pumped out, a buzzer alarm sounds (see section 7).



Water level switches 1 and 2

Interior Light

The interior LED light is controlled by a magnetic reed switch in the door and turns on and off automatically as the door is opened and closed. Press the **Light** button **(D)** to switch the light on or off.

! IMPORTANT

- Although the appliance has been tested and cleaned at the factory, **discard the first batch of ice**.
- Never turn off the water supply tap while the ice maker is operating.
- Never touch the evaporator while the appliance is running.
- Except when removing ice, keep the door closed to reduce melting and ensure proper ice formation.

6. CARE AND MAINTENANCE

Periodic cleaning and proper maintenance ensure efficiency, top performance and long life. The maintenance intervals below are based on normal conditions. You may need to clean more often if you have pets, hard water or other special conditions.

> ⚠ **WARNING**
>
> Before carrying out any cleaning or maintenance, make sure the appliance is disconnected from the power supply and the water supply is shut off.

What Should Not Be Done

Never keep anything in the ice storage bin other than ice. Objects such as wine and beer bottles are unhygienic, and their labels can come loose and block the drain.

Parts to keep clean: the exterior, the interior and ice storage bin, the condenser, the water distribution tube and the ice-making system.

6.1 Cleaning

Exterior Cleaning

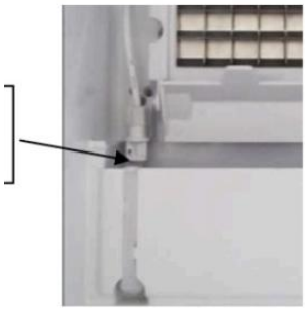
Clean the door and cabinet with a mild detergent and warm water solution (approx. 30 mL of dishwashing liquid in 7.5 L of warm water). Use a soft sponge, rinse with clean water and wipe dry with a soft, clean towel to prevent water spots. Do not use solvent-based or abrasive cleaners.

Stainless steel can discolour when exposed to chlorine gas and moisture. Clean stainless steel surfaces with a mild detergent and warm water solution and a damp cloth. Never use abrasive cleaning agents.

Interior Cleaning

Sanitise the ice storage bin occasionally. Clean the water trough before first use and before re-use after an extended period out of service. It is usually convenient to sanitise the bin after the ice-making system has been cleaned (see 6.2), when the storage bin is empty.

1. Disconnect the power and remove all ice from the storage bin.
2. Wash the interior and the bin with the sanitising solution described in 6.2 (step 8), then rinse with clean water.
3. Pull the drain hose of the water trough out of its holder and drain all water into a suitable container (not into the cabinet).
4. After all water has drained, refit the drain hose to its original position (see illustration).
5. Replace the ice storage bin in the appliance.
6. Reconnect the power.



Correct location of the water trough drain hose

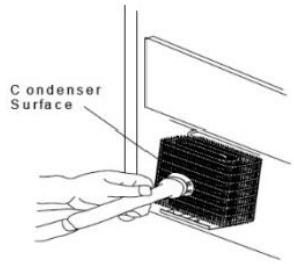
Wash the ice scoop regularly, just like any other food container.

> ⚠ **CAUTION**
>
> Do NOT use solvent-based cleaning agents or abrasives on the interior. These cleaners can taint the ice and damage or discolour the interior.

Condenser Cleaning

A dirty or clogged condenser restricts airflow, reduces ice production and causes higher operating temperatures that may lead to component failure. Have the condenser cleaned **at least once every 6 months**.

1. Unplug the ice maker or switch off the power.
2. Gently pull off the lower front grille.
3. Remove dirt and lint from the condenser and the machine compartment using the brush attachment of a vacuum cleaner.
4. Refit the lower front grille.
5. Plug in the ice maker or switch the power back on.



Cleaning the condenser surface

Water Distribution Tube Cleaning

If the ice cubes are incompletely formed or ice production is low, the water distribution tube may be blocked. Switch the appliance off, gently remove the distribution tube, locate the holes in the tube and clear them with a pointed object such as a toothpick. Then refit the tube in its original position. If the tube is badly blocked, clean it as follows:

1. Shut off the water supply.
2. Disconnect the water hose from the distribution tube.
3. Gently remove the distribution tube.
4. Using a brush, clean the tube with a dilute solution of warm water and mild detergent such as dishwashing liquid. After removing all dirt and lint, rinse the tube with clean water.
5. Refit the distribution tube.
6. Reconnect the water supply.

6.2 Descaling / System Cleaning

Minerals removed from the water during the freeze cycle eventually form a hard, scaly deposit in the water system. Regular cleaning removes this scale build-up. How often you need to clean depends on the hardness of your water and the effectiveness of any filtration. With hard water (approx. 250–350 mg/L), cleaning may be required as often as **every 6 months**.

> ⚠ **CAUTION**
>
> Ice machine cleaner contains acids. Wear rubber gloves, read the safety instructions on the container and never mix the cleaner with other cleaning products. Use only a nickel-safe ice machine cleaner.

1. Make sure all ice is off the evaporator. If ice is forming, wait until the cycle is complete, then press the **Power** button **(A)** to stop the appliance.
2. Remove all ice from the storage bin.
3. Keep the ice maker connected to the water supply. Pour **240 mL** of nickel-safe ice machine cleaner into the water trough.
4. Press the **Power** button **(A)**, then press the **Clean** button **(C)** to start the automatic cleaning cycle. The pump circulates the solution for 20 minutes, then the appliance drains for 2 minutes.
5. When the cycle has finished (allow approx. 30 minutes in total), press the **Power** button **(A)** again. Use the water trough drain hose to drain any remaining waste water into a suitable container. **Do not drain waste water into the cabinet.**
6. Repeat steps 4 and 5 **three times** with clean water only (no cleaner) to rinse the ice-making system thoroughly.
7. Prepare a sanitising solution of approx. **30 mL household bleach** in **7.5 L of hot water** (35–46 °C).
8. Wipe the entire inside and outside of the storage bin with the sanitising solution, covering all wall surfaces.
9. Fill a spray bottle with the sanitising solution and spray all corners and edges, ensuring every surface is covered. Allow the solution to remain in contact for at least 3 minutes, then dry.
10. Repeat the rinse (step 6) one more time.

11. Press the **Power** button **(A)** to return to normal ice making. **Discard the first batch of ice.**

6.3 Power Failure & Vacation / Long Storage

Power Failure

Most power failures are corrected within a few hours. Ice in the bin will gradually melt and drain away. Keep the door closed to minimise melting. When power is restored, if the display shows "– – –", press the **Power** button **(A)** to restart ice making.

Vacation / Long Storage

If the ice maker will not be used for a long time, or is to be moved to another location, the water system must be drained.

1. Press and hold the **Light** button **(D)** for 3 seconds to activate drain mode and pump out the reservoir. Then switch off the appliance.
2. Shut off the water supply at the main water source and disconnect the water supply line from the water inlet.
3. Switch off the electricity supply at the power outlet or circuit breaker and unplug the appliance.
4. Remove the ice storage bin, remove any remaining ice and water, and dry the bin.
5. Pull off the drain hose of the water trough to drain off all remaining water, then refit it.
6. Leave the door open to allow air circulation and prevent mould and mildew.
7. Leave the water supply line and power cord disconnected until you are ready to use the appliance again. Clean the appliance thoroughly before re-use (see 6.1 and 6.2).

! IMPORTANT

- Do not touch the power plug with wet hands.
- Never unplug the appliance by pulling on the cord. Grip the plug and pull it out firmly.

6.4 Transporting Your Appliance

- Drain the appliance completely and disconnect the power, water supply and drain hose (see 6.3).
- Remove the ice scoop and any loose items, tape the door shut and turn the adjustable feet up towards the base to avoid damage.
- Use two or more people to move the appliance. Keep it upright and secure during transport, and protect the exterior with a blanket or similar.
- After transport, let the appliance stand upright for at least 2 hours before switching it on.

7. TROUBLESHOOTING GUIDE

If the appliance appears to be malfunctioning, first read section 5 "Operating Your Appliance". If the problem persists, check the table below – many problems can be solved easily without a service call.

Problem	Possible cause	Solution
The appliance does not operate.	The ice maker is unplugged.	Plug in the ice maker and switch on at the outlet.
	The circuit breaker has tripped or a fuse has blown.	Reset the circuit breaker or replace the fuse. If it happens again, contact LeCavist for service to check for a short circuit.
	The ice maker is switched off (display shows "– – –").	Press the Power button (A).
	The ice storage bin is full (display flashes "□□□").	Remove some ice. Make sure the ice-full sensor is free of ice.
No water enters after the appliance starts.	The water supply tap is turned off.	Turn on the water supply tap.
	The water supply hose is not connected correctly.	Reconnect the water supply hose.
The appliance makes ice, but the bin does not fill.	The condenser is dirty.	Clean the condenser (see 6.1).
	Airflow to the ice maker is obstructed.	Check the installation; keep the front grille clear.
	The ambient or water temperature is too high, or the unit is near a heat source.	Check the installation and operating temperature ranges.
Cubes are partially formed or white at the bottom.	Not enough water in the water trough.	Check that the water supply pressure is at least 100 kPa.
	The water supply or filter is restricted.	Check the water supply and replace the filter if required.
	Water is leaking from the water trough.	Check the water trough and its drain hose for leaks.
	The water distribution tube is blocked.	Clean the distribution tube (see 6.1).
Ice is too thick and does not release.	Ice thickness setting too high for conditions, or a malfunction.	Press and hold the Clean button (C) for 5 seconds to force a harvest. Select a thinner setting. Contact LeCavist if it
Water leaks from the appliance.	Some water drips when the door is opened to remove ice.	Normal – condensation on the door or water carried with the ice. Take care when removing ice.
	The water supply connection is leaking.	Tighten the fitting (see "Connecting the Water Line").
	The drain hose is kinked or incorrectly positioned.	Check the drain hose so water can drain freely.
Water leaks from the ice storage bin.	The drain hole below the ice storage bin is blocked.	Remove the ice storage bin and clean the drain hole.
	The drain hose is kinked or placed higher than the floor of the ice storage bin.	Check that water can drain freely and the hose is within the pump limits (1.5 m lift / 4 m horizontal).
Noise during operation.	The appliance is not level.	Level the appliance (see "Levelling the Ice Maker").
	Certain sounds are normal.	See "Normal Operating Sounds" below.

Problem	Possible cause	Solution
The ice maker stops suddenly while making ice.	The power is off.	Restore the power supply.
	The ambient temperature is outside the stated range.	Switch off and leave disconnected until the temperature returns to 7–38 °C.
	The ice storage bin is full of ice.	Remove some ice; make sure the ice-full sensor is free of ice.
The body of the ice maker feels "live" (electrified).	The appliance is not earthed.	Switch off immediately at the circuit breaker. Have a licensed electrician check the outlet and earthing.
Scale builds up frequently inside the appliance.	The water is very hard.	Install a water-softening/filtering device before the water inlet and descale regularly (see 6.2).
Buzzer alarm sounds.	Water is not being pumped out.	Check the drain hose for kinks or blockages and that the drain height/ length is within pump limits. If the alarm continues, contact LeCavist (drain pump or water level switch fault).

Normal Operating Sounds

- Water flowing over the evaporator during the freeze cycle.
- A humming sound from the compressor and the fan.
- A click as the water inlet or hot gas valve opens and closes.
- Ice falling into the storage bin during harvest.
- The drain pump running for short periods.

If the problem persists after checking the above, contact LeCavist After-Sales Service (see section 9).

8. ENVIRONMENTAL TIPS

Observe all safety and warning information during operation (see section 2 "General Safety Instructions").

8.1 Disposal Considerations

The transport and protective packaging has been selected from materials that are environmentally friendly for disposal and can normally be recycled.

Recycling the packaging reduces the use of raw materials in manufacturing and the amount of waste in landfill. Ensure that any plastic wrapping, bags etc. are disposed of safely and kept out of the reach of babies and young children – danger of suffocation.

8.2 Disposing of Your Old Appliance

Electrical appliances marked with the crossed-out wheelie bin symbol must not be disposed of with household waste at the end of their service life.

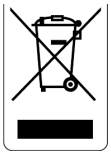
Electrical and electronic appliances often contain valuable materials. They also contain specific materials, compounds and components that were essential for their correct function and safety. These could be hazardous to human health and the environment if disposed of with household waste or handled incorrectly. Please do not dispose of your old appliance with your household waste.

This appliance contains a flammable refrigerant (R290). Contact your local council for the correct method of disposal, and ensure the refrigerant circuit is not damaged before collection. Please make sure your old appliance poses no risk to children while it is stored prior to disposal – remove or secure the door.

By disposing of this product in accordance with regulations, you protect the environment and the health of those around you.







9. WARRANTY & AFTER SALES SERVICE

Observe all safety and warning information during operation (see section 2 "General Safety Instructions").

In the event of a fault that you cannot remedy yourself, please contact LeCavist.

9.1 Warranty

The manufacturer's warranty for this appliance is **2 years**.

This warranty is in addition to, and does not affect, your rights under the Australian Consumer Law.

9.2 After-Sales Service & Contact Details

The contact details for LeCavist are given at the beginning and end of this manual.

Email	hello@lecavist.com
Website	www.lecavist.com
Distributor	Osass Australia Pty Ltd | ACN 644 539 668 | ABN 28 644 539 668

When contacting LeCavist, please quote the model and serial number of your appliance. These can be found on the rating plate on the appliance.

Record Model & Serial Number

Model: _____

Serial Number: _____

Register your product at **www.lecavist.com**

9.3 Replacement of Spare Parts

Incorrect components can lead to personal injury or damage to the appliance. Use only genuine LeCavist spare parts.

Modifications, additions or alterations to the appliance can lead to safety risks. If spare parts or accessories from other manufacturers are used, the warranty will be invalidated and LeCavist cannot accept liability.

Please visit **www.lecavist.com** for more information.

LIKE TO KNOW MORE?

For further information on all LeCavist products, or to obtain detailed dimension and installation information, email our Customer Care team or visit our website: **www.lecavist.com**

Operating and installation instructions:

Osass Australia Pty Ltd
ACN 644 539 668 | ABN 28 644 539 668

LeCavist Contact: hello@lecavist.com | www.lecavist.com

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LCIMOD80X – Built-in Ice Maker

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