

# **POLAR Ice Maker with UVC Feature**



## **POLAR Ice Maker with UVC Feature Instruction Manual**

[Home](#) » [Polar](#) » POLAR Ice Maker with UVC Feature Instruction Manual 

### **Contents**

- [1 POLAR Ice Maker with UVC Feature](#)
- [2 Product Usage Instructions](#)
- [3 AQ](#)
- [4 Safety Instructions](#)
- [5 Introduction](#)
- [6 Pack Contents](#)
- [7 Installation](#)
- [8 Operation](#)
- [9 Cleaning, Care & Maintenance](#)
- [10 Troubleshooting](#)
- [11 Technical Specifications](#)
- [12 Electrical Wiring](#)
- [13 CONTACT](#)
- [14 Documents / Resources](#)
  - [14.1 References](#)



**POLAR Ice Maker with UVC Feature**



## Product Usage Instructions

1. Remove the appliance from the packaging and protective film.
2. Connect one end of the corrugated outlet hose to the water outlet on the rear of the ice maker.
3. Attach the other end of the hose to a plumbed-in stand waste pipe or container for wastewater.
4. Place sealing washers on the water inlet at the back of the ice maker.
5. Attach one end of the inlet hose to the water inlet.
6. Connect the other end of the inlet hose to the water supply.

## AQ

- **Q:** Can this ice maker be used in a food truck?
- **A:** No, this ice maker is not suitable for use in vans, trailers, food trucks, or similar vehicles.
- **Q:** What should I do if I detect leaking refrigerant?
- **A:** If leaking is detected, to avoid any danger, please contact a professional technician immediately.

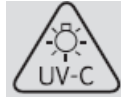
## Safety Instructions

When using electrical appliances, basic safety precautions should be followed to reduce the risk of fire, electric shock, and injury to persons or property. Read all instructions before using the appliance.

- Position on a flat, stable surface.
- A service agent/qualified technician should carry out installation and any repairs if required. Do not remove any components or service panels on this product.

- Consult Local and National Standards to comply with the following:
  - Health and Safety at Work Legislation
  - BS EN Codes of Practice
  - Fire Precautions
  - IEE Wiring Regulations
  - Building Regulations
- DO NOT immerse in water, or use steam/jet washers to clean the unit.
- DO NOT cover the appliance when it is operating.
- Always carry, store, and handle the appliance in a vertical position.
- Never tilt the appliance more than 45° from the vertical.
- ONLY use drinking or potable water when making ice cubes.
- Ensure the water pressure of the connected water supply is between 100kPa – 400kPa (14.5-58psi).
- For indoor use only.
- Replace any unused water in the tank at least once every 24 hours.
- Keep all packaging away from children. Dispose of the packaging in accordance with the regulations of local authorities.
- This appliance can be used by children aged 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children shall not play with the appliance.
- Cleaning and user maintenance shall not be done by children without supervision.
- If the power cord is damaged, it must be replaced by a POLAR agent or a recommended qualified technician in order to avoid a hazard.
- POLAR recommends that this appliance should be periodically tested (at least annually) by a Competent Person. Testing should include, but not be limited to: Visual Inspection, Polarity Test, Earth Continuity, Insulation Continuity and Functional Testing.
- This appliance is intended to be used in household and similar applications such as:
  - staff kitchen areas in shops, offices, and other working environments;
  - farm houses;
  - by clients in hotels, motels and other residential-type environments;
  - bed and breakfast type environments;
  - catering and similar non-retail applications.
- Children aged from 3 to 8 years are allowed to load and unload refrigerating appliances.
- When positioning the appliance, ensure the supply cord is not trapped or damaged.
- **WARNING:** Do not locate multiple portable socket outlets or portable power supplies at the rear of the appliance.
- Do not run the power cord carpeting or other heat insulators. Do not cover the cord. Keep the cord away from traffic areas, and do not submerge in water.
- Do not clean your ice maker with flammable fluids. The fumes can create a fire hazard or explosion.
- We do not recommend the use of an extension cord, as it may overheat and lead to a risk of fire. Unplug the ice maker before cleaning, making any repairs or servicing.
- POLAR recommends that this product is connected to a circuit protected by an appropriate RCD (Residual Current Device).

**Warning:** UV-C emitted from this product. Avoid eye and skin exposure to unshielded products.



**Warning:** Risk of Fire flammable materials

- Refrigerant R600a / R290, is natural gas with high environmental compatibility, but also combustible. When transporting and installing, ensure that no parts of the refrigerating circuit are damaged. Refrigerant leaked from the refrigerating pipes could ignite. If leaking is detected, to avoid any potential source of ignition (spark, naked flames, etc.), please open the window or door, and keep good ventilation.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.

**Warning:** Keep all ventilation openings clear of obstruction. The unit should not be boxed in without adequate ventilation.

- **Warning:** Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- **Warning:** Do not damage the refrigerant circuit.
- **Warning:** Do not use electrical appliances inside the food storage compartments of the appliance.

## Introduction

- Please take a few moments to carefully read through this manual. Correct maintenance and operation of this machine will provide the best possible performance from your POLAR product.
- The ice maker is designed to make ice cubes and should not be used as storage to preserve foods, drinks, etc.

## Pack Contents

The following is included:

- Ice Maker
- Ice scoop
- Inlet/Outlet hoses
- Sealing washers
- Instruction manual

POLAR prides itself on quality and service, ensuring that at the time of unpacking the contents are supplied fully functional and free of damage.

Should you find any damage as a result of transit, please contact your POLAR dealer immediately.

**Note:** Only use the hoses supplied with the appliance. Other hoses are not suitable and should not be used.

## Installation

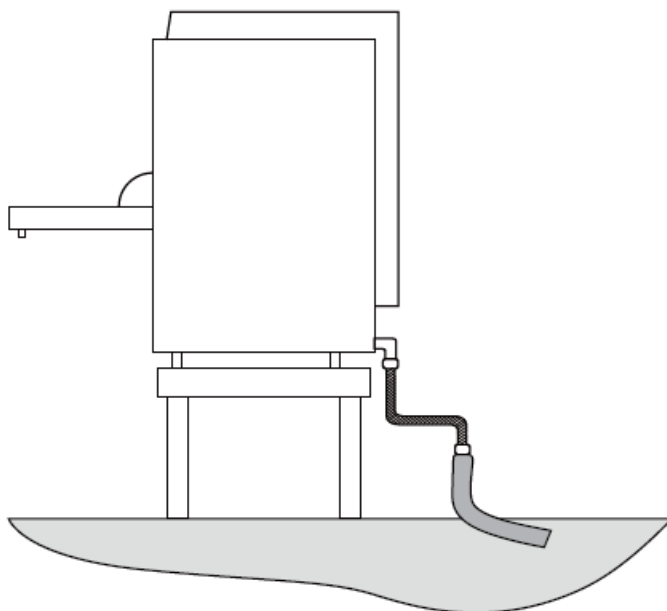
**Note:** Not for use in vans or trailers, food trucks or similar vehicles.

**Note:** If the unit has not been stored or moved in an upright position, let it stand upright for approximately 12 hours before operation. If in doubt allow to stand.

1. Remove the appliance from the packaging and remove the protective film from all surfaces.
2. Remove the Scoop, Inlet/Outlet hoses and Sealing Washers from the ice bin.
3. To optimize performance and longevity, ensure a minimum clearance of 2.5cm is maintained between the unit and walls and other objects, with a minimum 20cm clearance on the top. NEVER LOCATE NEXT TO A HEAT SOURCE.
4. If necessary, adjust the screw legs of the ice maker to make it level. The efficiency of the ice maker can be reduced if the appliance is unevenly located.

### Installing the Drain

- Please note: this model drains via gravity – no drain pump supplied. An optional drain pump is required if installing this unit lower than the drain standpipe.
- Ensure the end of the drainage pipe is situated lower than the Water Outlet valve for efficient drainage.

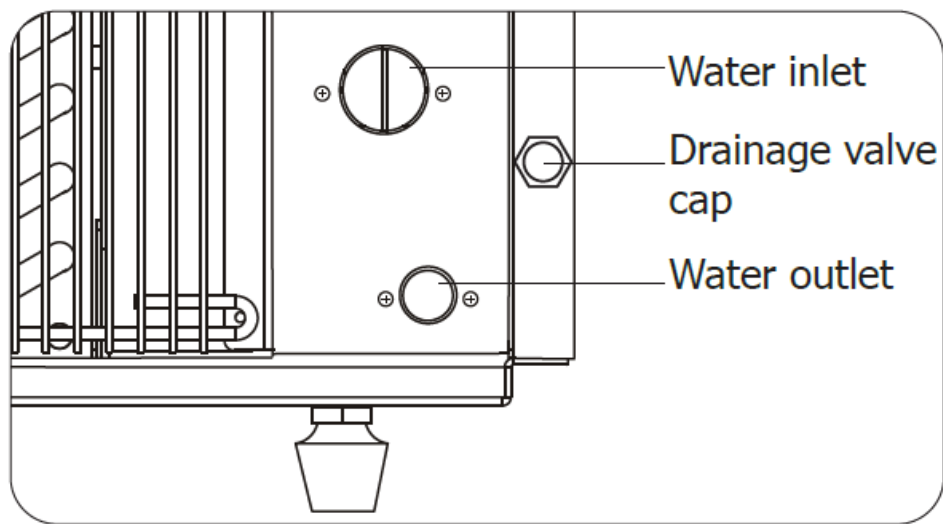


- Connect one end of the corrugated outlet hose to the water outlet on the rear of the ice maker.
- Attach the other end of the hose to a plumbed-in stand waste pipe or container suitable for collecting wastewater.

### Installing the Cold Water Feed

**Note:** The highest temperature for the water to be used: 38°C

- Place the sealing washers on the water inlet at the back of the ice maker and attach one end of the inlet hose.
- Connect the other end of the inlet hose to the water supply.



## Operation

### Making Ice

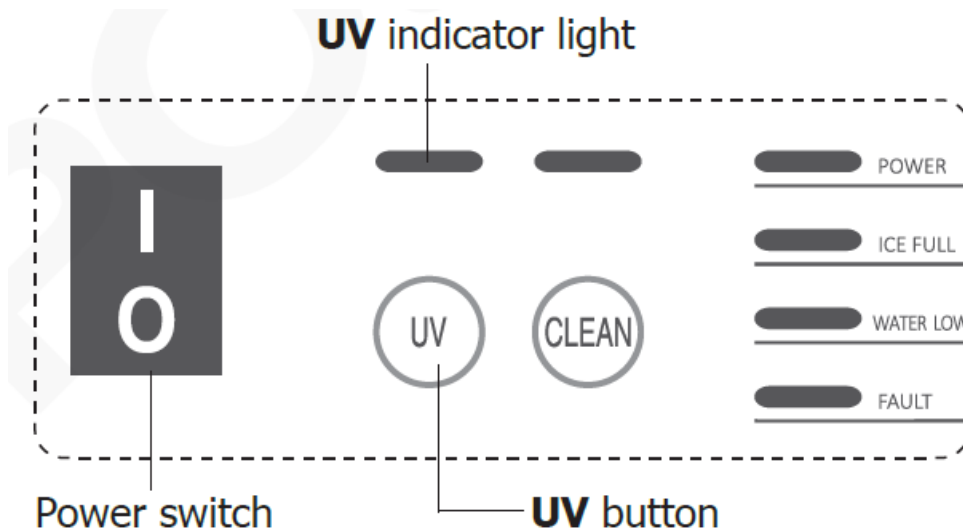
**Note:** Before using for the first time (or after a period of inactivity), clean the water tank, ice basket and ice basket shelf. Use the first ice-making cycle to flush out the system. Discard the water and ice created from the first cycle.

1. Ensure the door is closed fully before use.
2. Press the Power switch to the On position  
[I]. The POWER light illuminates and the appliance begins the ice-making process. Each ice-making cycle takes approximately 25 minutes.
3. When the cubes reach the ice sensor ice production stops. Production resumes once ice has been removed from the bin.
4. Press the Power switch to the Off position [O] at any time to halt the ice-making process.

**Note:** Ensure the metal rack is pushed as far forward as possible against the plastic ice curtain to allow ice to fall.

### UV sterilization Function

Featured with the optional UV-C function, the appliance provides sterilization for the water and ice cubes.



1. To activate, press the “UV” button once after the unit is powered on. The UV indicator light is on and UV

sterilization starts.

2. To deactivate, press the "UV" button again. The UV indicator light is off.

**Note:**

Each time the unit restarts, UV sterilization function stops by default.

Each time the door is opened, the UV indicator light will turn off and the sterilization in the box will be disabled.

After the door is closed, the UV indicator will light up and the sterilization in the box will resume.

**To avoid contamination of ice, please respect the following instructions:**

- Opening the door for long periods can cause a significant increase of the temperature in the compartments of the appliance.
- Clean regular surfaces that can come in contact with ice and accessible drainage systems.
- Clean water tanks if they have not been used for 48h; flush the water system connected to a water supply if water has not been drawn for 5 days.
- If the refrigerating appliance is left empty for long periods, switch off, defrost, clean, dry, and leave the door open to prevent mold from developing within the appliance.

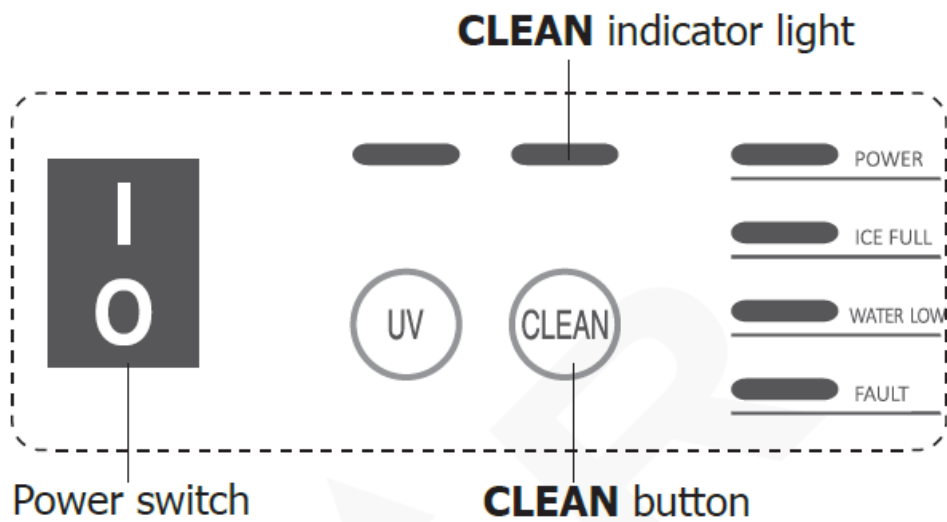
**Cleaning, Care & Maintenance**

- Always switch off and disconnect the power supply before cleaning.
- Warm, soapy water is recommended for cleaning. Cleaning agents may leave harmful residues. DO NOT wash the base unit, instead wipe the exterior with a damp cloth.
- Clean the water filter regularly with a small brush, particularly in hard water areas. The water filter is located just inside the water inlet at the back of the appliance.
- If the Ice Maker is to be left unused for longer than 24 hours, loosen the drain valve cap and drain the water from the tank.
- The inner removable parts and water tank should be cleaned regularly.

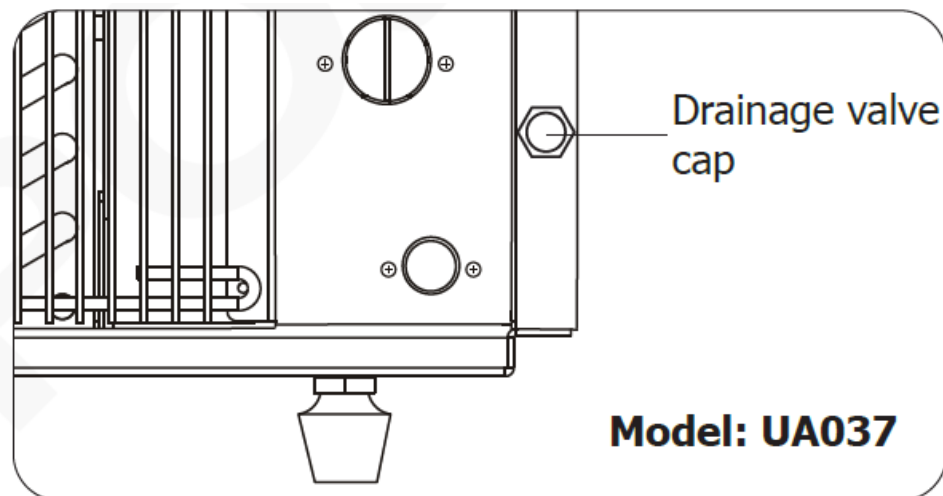
**Automatic Cleaning Function**

This Ice Maker is featured with an automatic cleaning function. When the appliance has completed up to 1500 ice-making cycles (roughly after 3 months of routine use), the "CLEAN" indicator light will flash with an audible alarm, indicating the unit needs to be cleaned. It will keep flashing and alarming until auto-cleaning is started, during which ice can still be made.

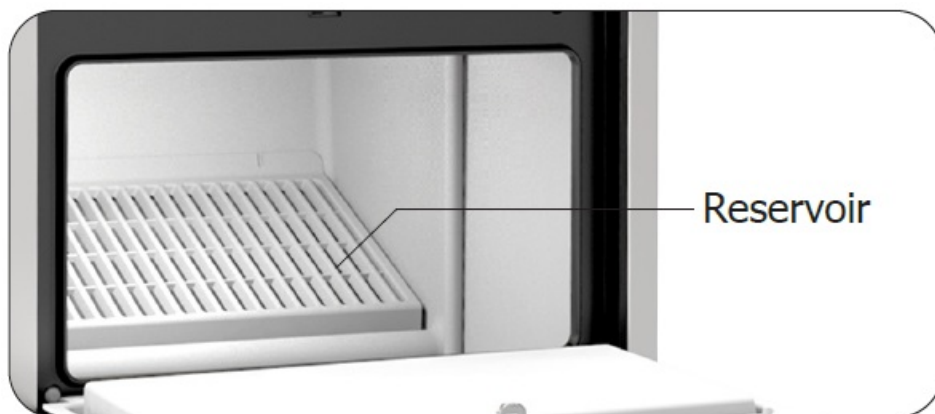
1. Press and hold the "CLEAN" button for 3 seconds. The "CLEAN" indicator light will stop flashing and illuminate. The water box at the top will turn down and up. When it returns to the vertical position, press the power switch to O (OFF position) and unplug the machine. Make sure no water remains in the water box.



2. Unscrew the drainage valve cap at the right lower part at the rear. Let the water drain from the water reservoir thoroughly. Afterwards, relocate the drainage cap and screw tight.



3. Add dilute cleaner into the reservoir (about 3L). Note: Choose ice maker-specific cleaner and follow the manufacturer's instructions.



4. Plug the unit and press the power switch to I (ON position). The "CLEAN" indicator light will flash again.
5. Press and hold the "CLEAN" button for 3 seconds. The "CLEAN" indicator light will stop flashing and illuminate. The cleaner in the water reservoir will be pumped into the water box to start cleaning. After about 10 minutes, the water box turns to vertical to drop the cleaner. The appliance will repeat the above procedure two further times.
6. Turn the unit off and unplug. Remove the drainage valve cap to empty the water reservoir. When the unit is turned on again, the "CLEAN" indicator light will not light up or flash, indicating the whole auto-cleaning is completed. Note: A cycle takes about 30 minutes.



**Note:** If the “WATER LOW” indicator light illuminates during cleaning, it means the water box lacks of water and cleaning fails. In this case, turn the unit off. After the “WATER LOW” indicator light goes out, turn the unit on again. Then fill the reservoir with cleaner and repeat step 5.



**Note:** After auto-cleaning, use the first 3 ice-making cycles to flush out the system. Discard the water and ice created from these initial cycles.







## Notes for Descaling

- In hard water areas, lime scale can build up within the appliance after prolonged use. We suggest installing a water softener before the inlet of water in case the supplied water is hard.
- The softener could be a mechanical filter.
- To descale, always choose a suitable descaler and follow the manufacturer’s instructions.
- POLAR recommends that this appliance is descaled every 3 months or more frequently in hard water areas.

## Troubleshooting

- A qualified technician should carry out repairs if required.

Fault		Probable Cause	Solution
The appliance is not working		The unit is not switched on	Check the unit is plugged in correctly and switched on
		Plug or lead is damaged	Replace plug or lead
		The fuse in the plug has blown	Replace the fuse
		The mains power supply fault	Check the mains power supply
		Ambient temperature below 10°C	Move the appliance to a warmer position
		Water supply fault	Check water supply is on and supply hoses are not blocked
The appliance is noisy or works intermittently		Power fluctuations	Turn off the ice maker and restart after 3 minutes
The compressor runs but no ice is made		A refrigerant leak or block in the refrigerant system	Call a POLAR agent or qualified technician
 WATER LOW	Water low light is On	Water not connected	Connect ice maker to water supply
		The water filter is blocked	Clean the water filter and restart the ice maker
		Water pressure too low	Water pressure should be between 100kPa – 400kPa (14.5-58psi). Call the plumber to check the water supply
 ICE FULL	Ice Full light is On	Ice bin full	Empty the ice bin

		The room temperature is too low	Move the appliance to a warmer position
 <b>FAULT</b>	Fault light is On	The water box is blocked and cannot tilt  Or, Motor system fault	Disconnect from the power supply. Remove some of the ice cubes and gently tilt the water box. Restart the ice maker after 3 minutes  If the problem persists, Call a POLAR agent or qualified Technician
 <b>FAULT</b>	When the unit is on, the fault light flashes once every 6s	Ice sensor fault, cannot make ice	Check if the ice sensor is connected properly. If normal, call a POLAR agent or qualified technician
	When the unit is on, the fault light is On but the <b>"RUN"</b> light Off		
 <b>FAULT</b>	When the unit is on, the fault light flashes twice every 6s	Ambient temperature sensor fault, cannot make ice	Check if the ambient temperature sensor is connected properly. If normal, call a POLAR agent or qualified technician
 <b>ICE FULL</b>	When the unit is on, the ice full light is On but the <b>"RUN"</b> light Off		
 <b>FAULT</b>	When the unit is on, the fault light flashes thrice every 6s	Water temperature sensor fault, cannot make ice	Check if the water temperature sensor is connected properly. If normal, call a POLAR agent or qualified technician
 <b>WATER LOW</b>	When the unit is on, the water low light is On but the <b>"RUN"</b> light Off		

Fault	Probable Cause	Solution
The UV indicator light is off after the UV button is pressed	Door is open	Close the door and power off for 5 minutes, then restart the unit. If the problem persists, call a POLAR agent or a qualified technician
UV indicator light flashes once every second	Water Sterilization failure + Box Sterilization failure	
The UV indicator light flashes once every 3 seconds	Water Sterilization failure	
The UV indicator light flashes twice every 3 seconds	Box Sterilization failure	
The UV indicator light keeps illuminating for 2 seconds then goes out for 1 second	When the UV lamp has been working up to 10,000 hours, the UV lamp needs to be replaced	Call a POLAR agent or qualified technician

## Technical Specifications

**Note:** Due to our continuing program of research and development, the specifications herein may be subject to change without notice.

Model	Voltage	Power	Current	Bin storage	Max Ice-Making Capacity	Refrigerant
UA037	220-240V~ 50 Hz	185W	1.3A	3.5kg	20kg/24 hours	R600a 38g

Dimensions H x W x D mm	Net Weight
590 x 380 x 477	25.4kg

## Electrical Wiring

POLAR appliances are supplied with a 3-pin BS1363 plug and lead.  
The plug is to be connected to a suitable main socket.  
POLAR appliances are wired as follows:

- Live wire (colored brown) to the terminal marked L
- Neutral wire (colored blue) to the terminal marked N
- Earth wire (colored green/yellow) to the terminal marked E



This appliance must be earthed.

If in doubt consult a qualified electrician.

Electrical isolation points must be kept clear of any obstructions. In the event of any emergency disconnection being required, they must be readily accessible.

## Disposal

EU regulations require refrigeration products to be disposed of by specialist companies who remove or recycle all gasses, metal, and plastic components.

Consult your local waste collection authority regarding disposal of your appliance. Local authorities are not obliged to dispose of commercial refrigeration equipment but may be able to offer advice on how to dispose of the equipment locally.

Alternatively, call the POLAR helpline for details of national disposal companies within the EU.

## Compliance

- The WEEE logo on this product or its documentation indicates that the product must not be disposed of as household waste. To help prevent possible harm to human health and/or the environment, the product must be disposed of in an approved and environmentally safe recycling process. For further information on how to dispose of this product correctly, contact the product supplier, or the local authority responsible for waste disposal in your area.



- POLAR parts have undergone strict product testing to comply with regulatory standards and specifications set by international, independent, and federal authorities.
- POLAR products have been approved to carry the following symbol:



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#### DECLARATION OF CONFORMITY

Equipment Type		Model
U-Series Countertop Ice Machine with UVC 20kg Output		UA037 (&-E)
<b>Application of Territory Legislation &amp; Council Directives(s)</b>  Toepassing van Europese Richtlijn(en)	<b>Low Voltage Directive (LVD) – 2014/35/EU Electrical Equipment (Safety) Regulations 2016</b> IEC 60335-1:2010 +A1:2013 +A2:2016  IEC 60335-2-89:2019  <b>Electro-Magnetic Compatibility (EMC) Directive 2014/30/EU – recast of 2004/108/EC Electromagnetic Compatibility Regulations 2016 (S.I. 2016/1091)</b>  (BS) EN IEC 61000-6-3: 2021  (BS) EN IEC 61000-6-1: 2019  <b>Restriction of Hazardous Substances Directive (RoHS) 2015/863 amending Annex II to Directive 2011/65/EU</b>  <b>Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (S.I. 2012/3032)</b>	
Producer Name		Polar

I, the undersigned, hereby declare that the equipment specified above conforms to the above Territory Legislation, Directive(s) and Standard(s).

- Date
- Signature

- Full Name
- Producer Address

12 <sup>th</sup> Dec 2023	
DocuSigned by:  B39382C9FD9C478... <b>Ashley Hooper</b>	DocuSigned by:  D352874F7FAB460... <b>Eoghan Donnellan</b>
<b>Group Head of Product Quality &amp; Compliance</b>	<b>Commercial Manager/ Importer</b>
<b>Fourth Way, Avonmouth, Bristol, BS11 8TB United Kingdom</b>	<b>Unit 9003, Blarney Business Park, Blarney, Co. Cork Ireland</b>


## CONTACT

UK	
Eire	
	+44 (0)845 146 2887
NL	040 – 2628080
FR	01 60 34 28 80
BE-NL	0800-29129
BE-FR	0800-29229
DE	0800 – 1860806
IT	N/A
ES	901-100 133

- <http://www.polar-refrigerator.com/>



Documents / Resources



**[POLAR Ice Maker with UVC Feature](#)** [pdf] Instruction Manual  
Ice Maker with UVC Feature, with UVC Feature, UVC Feature, Feature

References

- [P Polar Refrigeration - Commercial Refrigeration](#)
- [User Manual](#)

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