



# Back Bar Chiller

## Instruction manual



**Model:**  
**GJ447-A/GJ448-A/GJ449-A/CK477-A/CK478-A/  
CK479-A**

## Safety Instructions

- 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.
  - **In Queensland the service agent/qualified technician MUST hold a Gas Work Authorisation or License for hydrocarbon refrigerants if the appliance gas system is being opened or charged.**
- Consult Local and National Standards to comply with the following:
  - Health and Safety at Work Legislation
  - Fire Precautions
  - 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.
- DO NOT store food in the appliance.
- DO NOT use electrical appliances inside the appliance.
- Always carry, store and handle the appliance in a vertical position.
- Never tilt the appliance more than 45° from the vertical.
- Not suitable for outdoor use.
- Keep all packaging away from children. Dispose of the packaging in accordance with the regulations of local authorities.
- 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.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety.

- Children should be supervised to ensure that they do not play with the appliance.
- POLAR recommend 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.



### Caution: Risk of Fire

- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.

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

- **To comply with AS/NZS 60079.10.1:2009: Ensure there are not sources of ignition in any area where refrigerant could gather in the event of a leak.**
- **Electrical equipment should not be placed under the vent or where refrigerant could gather in the event of a leak.**
- **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.

### Product Description

- **GJ447-A** - Single Door Upright Back Bar Chiller
- **GJ448-A** - Double Door (Sliding) Upright Back Bar Chiller
- **GJ449-A** - Double Door (Hinged) Upright Back Bar Chiller
- **CK479-A** - Single Door Upright Back Bar Chiller
- **CK478-A** - Double Door (Sliding) Upright Back Bar Chiller
- **CK477-A** - Double Door (Hinged) Upright Back Bar Chiller

### Pack Contents

The following is included:

- POLAR Back Bar Chiller
- Key
- Adjustable shelves
- 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.

## 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.**

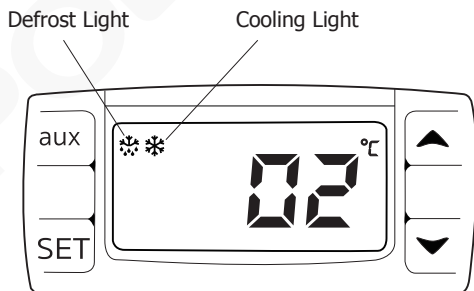
1. Remove the appliance from the packaging and the protective film from all surfaces.
2. Avoid positioning the appliance in direct sunlight or damp areas.
3. To optimize performance and longevity, ensure a minimum clearance of 2.5cm is maintained between the unit and walls and other objects, with a minimum 20cm clearance on the top.  
**NEVER LOCATE NEXT TO A HEAT SOURCE.**
4. Insert the slide-out shelf/shelves at the desired levels.
5. If necessary, adjust the screw feet of the appliance to make it level.

**Note: Before using the appliance for the first time, clean the shelves and interior with soapy water then dry well.**

## Operation

### Control Panel

The control panel is located below the doors on the front of the appliance.



### Turn On

1. Close the door(s) of the appliance.
2. Connect the appliance to a mains power supply.

**Note: The Cooling Light is illuminated when the appliance is chilling the interior cabinet.**

## To Change the Operating Temperature

The default operating temperature is 2 °C. To display the operating temperature (set point), press and immediately release the button.

To change the operating temperature:

1. Press and Hold the **SET** button for 2 seconds. the "°C" will start to flash.
2. Press the ▲ or ▼ buttons to change the temperature.
3. Press the **SET** button to store the temperature.

## Manual Defrost

- POLAR Back Bar Chillers feature an automatic defrost. However, should the appliance require an additional defrost period press and hold the ❄️ button for 2 seconds.
- Automatic defrost cycles are every 6 hours and last 20 minutes (factory defaults).

**Note: If a manual defrost is started this resets the automatic defrost timer. During defrost periods the Defrost light is illuminated.**

## Cleaning, Care & Maintenance

- Switch off and disconnect from the power supply before cleaning.
- Clean the interior of the appliance as often as possible.
- Do not use abrasive cleaning agents. These can leave harmful residues.
- Always wipe dry after cleaning.

**Condensation and ice will form with frequent and prolonged opening of the doors. Operating outside of the recommend temperature range and placing next to a heat source will also increase the amount of ice and internal/external condensation. If external condensation occurs wipe the surface down with a cloth. Excessive ice will result in longer running times that will increase energy consumption and increase the deterioration of components.**

**Do not obstruct fans and do not exceed max load lines, as doing so will impact air distribution and increase energy usage.**

## Cleaning the Condenser Filter

- The condenser is part of the refrigeration system. The condenser filter requires monthly cleaning.
- Always disconnect power supply before carrying out Routine Maintenance.
- Failure to clean the condenser will increase energy consumption, reduce the performance and life of your Polar unit, and thus may invalidate your warranty.
- These models have a removable filter which can be cleaned with a vacuum cleaner.

**Note for GJ447-A/CK479-A:** The filter can be easily taken out for cleaning after opening the door.



## Troubleshooting

A qualified technician must 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
	Mains power supply fault	Check mains power supply
The appliance turns on, but the temperature is too high/low	Condenser blocked with dust	Clean Condenser
	Doors are not shut properly	Check doors are shut and seals are not damaged
	Appliance is located near a heat source or air flow to the condenser is being interrupted	Move the appliance to a more suitable location
	Ambient temperature is too high	Increase ventilation or move appliance to a cooler position
	Insufficient airflow to the fans	Remove any blockages to the fans
	Appliance is overloaded	Reduce the amount stored in the appliance
	Factory default parameters adjusted	Consult a qualified Technician
The appliance is unusually loud	The appliance is touching a neighbouring object	Check installation position and change if necessary
	The appliance has not been installed in a level or stable position	Check installation position and change if necessary

## 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	Temp. Range	Net usable capacity (L)	Refrigerant	Dimensions H x W x D mm	Weight (kg)
<b>GJ447-A</b>	230V 50Hz	300W	1.2A	2°C - 8°C	193	R600a 100g	1872 x 600 x 514	98
<b>GJ448-A</b>	230V 50Hz	400W	1.5A	2°C - 8°C	315	R600a 120g	1880 x 920 x 514	125
<b>GJ449-A</b>	230V 50Hz	400W	1.5A	2°C - 8°C	314	R600a 120	1880 x 920 x 514	125
<b>CK479-A</b>	230V 50Hz	300W	1.2A	2°C - 8°C	193	R600a 100g	1872 x 600 x 514	98
<b>CK478-A</b>	230V 50Hz	400W	2.2A	2°C - 8°C	314	R600a 120g	1872 x 920 x 520	120
<b>CK477-A</b>	230V 50Hz	400W	2.2A	2°C - 8°C	315	R600a 120	1872 x 920 x 520	120

Note: For optimal product performance and efficiency, please ensure to mind the net usable capacity (load limit) when filling.

## Electrical Wiring

The plug is to be connected to a suitable mains socket.

POLAR appliances are wired as follows:

- Live wire (coloured brown) to terminal marked L
- Neutral wire (coloured blue) to terminal marked N
- Earth wire (coloured green/yellow) to 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.

## Compliance

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 in order to comply with regulatory standards and specifications set by international, independent, and federal authorities.

POLAR products have been approved to carry the following symbol:



**All rights reserved. No part of these instructions may be produced or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior written permission of POLAR.**

**Every effort is made to ensure all details are correct at the time of going to press, however, POLAR reserve the right to change specifications without notice.**

DECLARATION OF CONFORMITY

• Conformiteitsverklaring • Déclaration de conformité • Konformitätserklärung • Dichiarazione di conformità • Declaración de conformidad

Equipment Type • Uitrustingstype • Type d'équipement • Gerätetyp • Tipo di apparecchiatura • Tipo de equipo	Model • Modèle • Modell • Modello • Modelo
Single Door Upright Back Bar Cooler Double Door Upright Back Bar Cooler Sliding Double Door Upright Back Bar Cooler Hinged Double Door Upright Back Bar Cooler Sliding S/S Double Door Upright Back Bar Cooler Sliding S/S Single Door Upright Back Bar Cooler S/S	GJ447 (-E & -A) GJ448 (-E & -A) GJ449 (-E & -A) CK477-A CK478-A CK479-A
Application of Territory Legislation & Council Directives(s) Toepassing van Europese Richtlijn(en) • Application de la/des directive(s) du Conseil • Anwendbare EU-Richtlinie(n) • Applicazione delle Direttive • Aplicación de la(s) directiva(s) del consejo	Machinery Directive 2006/42/EC Supply of Machinery (Safety) Regulations 2008 EN 60335-1:2012 +A11:2014 +A13:2017 +A1:2019 +A14:2019 +A2:2019 EN 60335-2-89:2010 +A1:2016 +A2:2017 EN62233:2008  Electro-Magnetic Compatibility (EMC) Directive 2014/30/EU - recast of 2004/108/EC Electromagnetic Compatibility Regulations 2016 (S.I. 2016/1091) EN IEC 55014-1: 2021 EN IEC 55014-2: 2021 EN IEC 61000-3-2: 2019+A1:2021 EN 61000-3-3: 2013+A1:2019+A2: 2021  Restriction of Hazardous Substances Directive (RoHS) 2015/863 amending Annex II to Directive 2011/65/EU Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (S.I. 2012/3032)
Manufacturer Name • Naam fabrikant • Nom du fabricant • Name des Herstellers • Nome del fabbricante • Nombre del fabricante	Electrical Safety AS/NZS 60335.1:2011 +A1:2012 +A2:2014 +A3:2015 +A4:2017 AS/NZS 60335.2.89:2010 +A1:2013 +A2:2016  Electromagnetic Compatibility EN IEC 55014-1:2021 EN IEC 55014-2: 2021 EN IEC 61000-3-2:2019+A1:2021 EN 61000-3-3:2013+A1:2019+A2: 2021  Polar

I, the undersigned, hereby declare that the equipment specified above conforms to the above Territory Legislation, Directive(s) and Standard(s).  
Ik, de ondergetekende, verklaar hierbij dat de hierboven gespecificeerde uitrusting goedgekeurd is volgens de bovenstaande Richtlijn(en) en Standaard(en).  
Je soussigné, confirme la conformité de l'équipement cité dans la présente à la / aux Directive(s) et Norme(s) ci-dessus  
Ich, der/die Unterzeichnende, erkläre hiermit, dass das oben angegebene Gerät der/den oben angeführten Richtlinie(n) und Norm(en) entspricht.  
Il sottoscritto dichiara che l'apparecchiatura di sopra specificata è conforme alle Direttive e agli Standard sopra riportati.  
El abajo firmante declara por la presente que el equipo arriba especificado está en conformidad con la(s) directiva(s) y estándar(es) arriba mencionadas.

Date • Data • Date • Datum • Data • Fecha	24 <sup>th</sup> Apr 2024		
Signature • Handtekening • Signature • Unterschrift Firma • Firma	<div>DocuSigned by:  B39382C9FD9C478</div>	<div>DocuSigned by:  D352874F7FAB460</div>	<div>DocuSigned by:  386FAD00DFE8483</div>
Full Name • Volledige naam • Nom et prénom • Vollständiger Name • Nome completo • Nombre completo	Ashley Hooper	Eoghan Donnellan	Brendan Denmeade
Position • Functie • Fonction • Position • Qualifica • Posición	Group Head of Product Quality & Compliance	Commercial Manager/Importer	Commercial Manager/Responsible Supplier
Manufacturer Address • Adres fabrikant • Adresse du fabricant • Adresse des Herstellers • Indirizzo del fabbricante • Dirección del fabricante	Fourth Way, Avonmouth, Bristol, BS11 8TB United Kingdom	Unit 9003, Blarney Business Park, Blarney, Co. Cork Ireland	15 Badgally Road, Campbelltown NSW 2560



# POLAR



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

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