



Congratulations on your new Minus40 Refrigerator!

This premium product incorporates the latest innovations in refrigeration technology with a highly durable design. Properly maintained, the unit(s) will provide many years of reliable service.

*Please read the following instructions carefully as it contains important information concerning the safety, installation, operation and maintenance of your Refrigerator.*

## SAFETY INSTRUCTION

- Always disconnect the unit from the mains supply before attempting to do maintenance or before removing the bottom grille.
- In case of unit failure, disconnect it from the power supply and contact your service technician or supplier for advice.
- If the supply cord is damaged it must be replaced by the manufacturer or its service agent or a similarly qualified person to avoid a hazard.

## INSTALLATION GUIDE

Follow these easy steps to Install your new Minus40 unit.

- Remove all wrapping and packing material.
- Be careful not to damage any of the delicate wiring or pipe-work in the compressor compartment.
- Position the unit out of direct sunlight and away from any other sources of heat.
- The maximum ambient temperature in which the unit will function is 32°C.
- The unit may not be built into a furnishing fixture, or have its back to the wall.
- The unit "breathes" through the grill, and if blocked, the unit will not operate properly, damaging the compressor.
- Ensure the unit is perfectly level for the door(s) to function properly.
- Supplied with a built-in voltage Protector

Note: The Voltage Protector has a 3 to 5-minute time delay once switched on

### BUILT-IN VOLTAGE PROTECTOR

This premium product incorporates a built-in voltage protector that regulates the power supply and ensures a stable voltage supply to the refrigerator to maximise equipment efficiency and reduce damage and downtime caused by a power surge.

## MAINTENANCE INSTRUCTIONS

Repairs:

- Before carrying out any maintenance or repair work, please ensure that the unit has been disconnected from the mains supply.
- Any service performed on these refrigerators within the 1-year warranty period MUST be cleared and reported to the manufacturer. Failure to do this will void the standard warranty.

## POWER SUPPLY

DO NOT CONNECT THE UNIT TO THE MAINS SUPPLY UNTIL YOU HAVE READ THE FOLLOWING INFORMATION.

- A qualified person by all local standards and regulations should carry out any electrical alterations to the unit.
- The power supply should be per the electrical specifications listed on the rating plate. The rating plate can be located inside the unit on the top right-hand side.
- Always ensure that the electrical connection is suitably earthed.
- An inadequate electrical installation can result in voltage reduction at the compressor or cause damage to the motor.
- If in doubt about any of the electrical matters mentioned above, a suitably qualified electrician should be consulted.
- When all of the electrical requirements have been satisfied, the unit may be plugged into the mains socket.

ALWAYS USE A DIRECT CONNECTION TO THE PLUG OUTLET EXTENSION CORDS SHOULD NEVER BE USED.

## CLEANING INSTRUCTIONS

Interior and Exterior Cleaning

- Please ensure that the unit has been disconnected from the electricity supply.
- The unit should be cleaned periodically with a non-abrasive cleaner and soft cloth.
- Do not use any detergents or abrasive
- A damp cloth may be used provided that all surfaces are polished dry afterwards.

In the event of the unit not being used for extended periods;

- Disconnect from the power supply.
- Remove all the medicines & vaccines to another fridge or suitable storage.
- Thoroughly clean the unit inside and out.
- Leave the door(s) slightly open so that air can circulate freely.
- Switch the unit back on & wait until temperature has stabilized before loading medicine / vaccines



## TROUBLE SHOOTING CHECKLIST

SYMPTOM	CHECK
<ul style="list-style-type: none"> <li>❖ The unit does not run &amp; the controller or fans do not work or the lights are off</li> </ul>	<ul style="list-style-type: none"> <li>❖ Make sure the unit is plugged in</li> <li>❖ Check for a tripped circuit breaker</li> </ul>
<ul style="list-style-type: none"> <li>❖ Unit does not run, but the controller is on</li> </ul>	<ul style="list-style-type: none"> <li>❖ Check the temperature setting on the controller</li> <li>❖ Unplug the unit, wait two hours and plug it in. If you hear it running, a problem is causing the compressor to overheat</li> <li>❖ Check if the evaporator fan is running</li> <li>❖ Listen if the compressor ever runs. If not the compressor might be faulty</li> </ul>
<ul style="list-style-type: none"> <li>❖ Unit is not cold enough</li> </ul>	<ul style="list-style-type: none"> <li>❖ Check the temperature setting</li> <li>❖ Assure that there is enough room for airflow in the fridge.</li> <li>❖ Check for airflow restrictions in front and at the back of the grille.</li> <li>❖ Clean the condenser coils</li> <li>❖ Check the door seal</li> </ul>
<ul style="list-style-type: none"> <li>❖ Unit is too cold</li> </ul>	<ul style="list-style-type: none"> <li>❖ Check the temperature setting</li> </ul>
<ul style="list-style-type: none"> <li>❖ Unit is noisy</li> </ul>	<ul style="list-style-type: none"> <li>❖ Hissing and popping sounds are normal.</li> <li>❖ Check that the fridge is level</li> </ul>
<ul style="list-style-type: none"> <li>❖ Unit runs continuously</li> </ul>	<ul style="list-style-type: none"> <li>❖ Check the door seals</li> <li>❖ Clean Condensor</li> </ul>
<ul style="list-style-type: none"> <li>❖ In the event of a breakdown</li> </ul>	<ul style="list-style-type: none"> <li>❖ Disconnect the fridge from the power supply. Contact your supplier for advice.</li> </ul>

## CONDENSER CLEANING

Always follow these steps when cleaning the unit condenser.

### 1 Power off

Unplug the unit from the mains electricity supply.



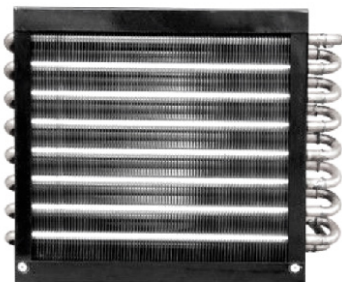
### 2 Remove the Grille

Remove the bottom grille with a screwdriver or Allen key.  
CAUTION: Some pipework & components might be hot



### 3 Locate Condenser

Locate the condenser next to, and attached to, the fan.  
\*It looks similar to a car radiator



### 4 Soft Brush

Take a soft brush and clean the fins.

CAUTION: The condenser is very delicate

- Do not to bend the fins.
- Never poke anything through the fins
- Never use water
- Never use a hard brush



### 5 Vacuum

If possible, use a vacuum to clean away the debris. Check the rest of the compartment for any foreign objects and remove.



### 6 Remove Tools

Ensure that all tools have been removed.



### 7 Log the Data

Log the date of the cleaning and make a dairy note to clean it again in 2 to 3 months

CONDENSER CLEANING SCHEDULE  
Please indicate the DAYS that the condenser is cleaned on the chart

Date cleaned marked with an 'X'	Date										
	1	2	3	4	5	6	7	8	9	10	11
Jan											
Feb											
Mar											
Apr											
May											
Jun											
Jul											
Aug											

### 8 Interior and Exterior Cleaning Instructions

Interior and Exterior Cleaning

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- The unit should be cleaned periodically with a non-abrasive cleaner and soft cloth.
- Do not use any detergents or abrasive
- A damp cloth may be used provided that all surfaces are polished dry afterwards.



In the event of the unit not being used for extended periods

- Disconnect from the power supply.
- Remove all the medicines & vaccines to another fridge or suitable storage.
- Thoroughly clean the unit inside and out.

### Why Clean the Condenser?

The function of the condenser is to dissipate the heat from within the fridge/freezer. By keeping the fins clear of dust, the unit will run more effectively with lower energy consumption and a longer product life.

### CONDENSER CLEANING SCHEDULE

Please indicate the DAYS that the condenser is cleaned on the chart

Date cleaned marked with an 'X'																															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Jan																															
Feb																															
Mar																															
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May																															
Jun																															
Jul																															
Aug																															
Sep																															
Oct																															
Nov																															
Dec																															

- Clean the condenser with a soft brush
- Check the condenser monthly
- If there is dirt or fluff on the condenser clean as above
- Mark the chart above with a cross on the DAYS that the condenser is cleaned

