B200/40/220H

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 in order to avoid a hazard.

INSTALLATION GUIDE

Follow these easy steps to Install your new Minus40 unit.

- Remove all wrapping and packing material.
- 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 43°C.
- The unit may not be built into a furnishing fixture or have its back to the wall.
- The unit "breaths" 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.
- 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.

POWER SUPPLY

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

- The power supply should be in accordance with 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.

LOADING GUIDE

When loading the unit

- Always ensure that you do not block the internal air vents and always allow space for the cold air to circulate around contents and the inside of the unit.
- The Minus40 is designed to automatically evaporate the condensate water in the compressor compartment.

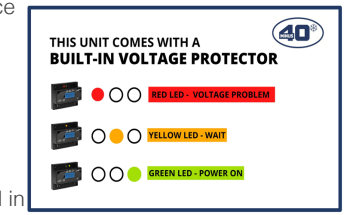
MAINTENANCE INSTRUCTIONS

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.

BUILT-IN VOLTAGE PROTECTOR INSTRUCTIONS

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.



Operation principles LED light:

The voltage protector is located in the refrigerator base, the bottom grille/service door needs to be open.

RED: Under/ Over voltage
Amber/Yellow: Delay
Green: Good power supply

TROUBLE SHOOTING CHECKLIST

SYMPTOM	CHECK
※ The unit does not run & the controller or fans do not work or the lights are off	※ Make sure the unit is plugged in ※ Check for a tripped circuit breaker
※ Unit does not run, but the controller is on	※ Check the temperature setting on the controller ※ Unplug the unit, wait two hours and plug it in. If you hear it running, a problem is causing the compressor to overheat ※ Check if the evaporator fan is running ※ Listen if the compressor ever runs. If not, the compressor might be faulty
※ Unit is not cold enough	※ Check the temperature setting ※ Assure that there is enough room for airflow in the fridge. ※ Check for airflow restrictions in front and at the back of the grille. ※ Clean the condenser coils ※ Check the door seal
※ Unit is too cold	※ Check the temperature setting
※ Unit is noisy	※ Hissing and popping sounds are normal. ※ Check that the fridge is level
※ Unit runs continuously	※ Check the door seals ※ Clean Condenser
※ In the event of a breakdown	※ Disconnect the fridge from the power supply. Contact your supplier for advice.

Alarms

- The control has an alarm buzzer which will sound if the vaccine fridge temperature exceeds the set range (2°C to 8°C degrees)
- To silence the buzzer, press the down arrow button
- Monitor the unit to check that it returns to operating temperature.
- If the fridge does not return to normal operating temperature the vaccines must be removed from the fridge and stored in a suitable replacement.

Key Components

CONDENSER CLEANING

Always follow these steps when cleaing the unit condenser.

1 Power off

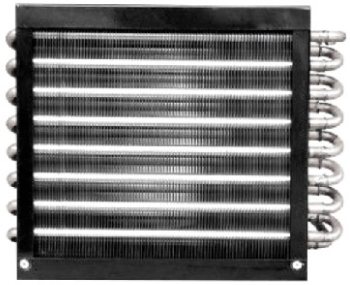
Unplug the unit from the mains electricity supply.

2 Open the Service Door

The access door to the condenser is located at the base of the unit. Lightly pull to release from the magnet.

3 Locate Condenser

Locate the condenser
*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 Close the Service Door

Remove any cleaning items and close the service door

7 Log the Data

Log the date of the cleaning and make a dairy note to clean it again in a month.

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
Jan											
Feb											
Mar											
Apr											
May											
Jun											
Jul											
Aug											

8 Interior and Exterior 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.
- The unit can now be put into storage.

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																															
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Jun																															
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Aug																															
Sep																															
Oct																															
Nov																															
Dec																															

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