

## Danger!

Risk of fire or explosion. Flammable refrigerant used. To be repaired only by trained service personnel. Do not use mechanical devices to defrost refrigerator. Do not puncture refrigerant tubing.

## Disposal



EU regulations require refrigeration product 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.

All packaging materials should be disposed of in an environmentally friendly way.

The cardboard may be used as scrap paper. The protective foil and the foam cushions are CFC-free.

Do not allow children to play with the packaging and destroy plastic bags safely.

## Environmental protection



Discarded electric appliances are recyclable and should not be discarded in the domestic waste! Please actively support us in conserving resources and protecting the environment by returning this appliance to the collection centres (if available).

## Compliance

Parts have undergone strict product testing in order to comply with regulatory standards and specification set by international, independent, and federal authorities.

Products have been approved to carry the following symbol:



## Blizzard MED140 pharmacy refrigerator

User Manual



To ensure safe operation, please read this instruction manual thoroughly before use.

Welcome to your new chiller

Thank you for buying this commercial chiller. It has been designed and manufactured for many years of trouble-free service.

Operation is very simple, but please take a few minutes to read this booklet. It contains safety information, and tips to ensure you receive from your chiller.



**WARNING: RISK OF ELECTRICAL SHOCK HAZARD**  
This unit must be earthed.  
If the power cable is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid hazard. Ensure that the appliance is properly earthed. Stop using the appliance immediately if electric shock is felt when touching the chiller.

- WARNING: Keep clear of obstruction all ventilation openings in the appliance enclosure or in the structure for building-in.
  - 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.
- NOTE 101 This warning is only applicable for appliances with refrigerating circuits which are accessible by the user.
- WARNING: Do not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer.



R600A refrigerant is used for this equipment

#### DISPOSAL OF OLD APPLIANCES

BE SURE TO MAKE ANY LOCKS UNUSABLE, REMOVE ANY DOOR(S) AND DISCARD SEPARATELY.

**WARNING-CHEMICAL HAZARD: DO NOT ALLOW CHILDREN TO PLAY WITH THE OLD APPLIANCE. CONTACT YOUR LOCAL AUTHORITY DISPOSAL PROCEDURES.**

Before disposing of an old appliance, please make sure it is switched off and safe. Unplug the appliance and break any locks in order to avoid children becoming trapped.

Please note: the refrigeration system contains gases and refrigerants which require specialist waste disposal. The valuable materials in a refrigerator can be recycled. Contact your local waste disposal depot for proper disposal of an old appliance and contact your local authority or dealer if you have any questions.

Please ensure the pipe work of your refrigerator is not damaged prior to disposal. You can contribute to environmental awareness by insisting on an appropriate non-polluting method of disposal.

#### Caution!

Consult repair manual/owner's guide before attempting to install or service this product. All safety precautions must be followed. Dispose of properly in accordance with federal or local regulations. Risk of fire or explosion due to puncture of refrigerant tubing. Follow handling instructions carefully.

## **CLEANING**

1. UNPLUG your chiller and remove any stock to a suitable back-up chiller.
2. Wash the inner compartment with warm water and neutral detergent. DO NOT allow the control panel, cables or plug to get wet.  
NEVER use corrosive detergents, wire brushes, or abrasive scourers to clean your chiller.  
NEVER use metal or sharp implements to remove debris.
3. Dry all surface thoroughly.
4. To ensure trouble-free operation the condenser should be cleaned every three months where appropriate using a vacuum hose. The condenser is located at the rear of the cabinet. In exceptionally dusty locations the condenser should be cleaned more often.
5. Use mild soapy water to clean the gasket and seals.

## **CORRECT USAGE**

1. Never over load the cabinet, allow space free air movement around the products being stored inside, avoid loading products directly in front of the upper fan.
2. Manually record temperature logs once a day, record max and min temperature logs, reset max and min temp log after recording the values taken.
3. Avoid prolonged door openings, ensure door open time is kept to a minimum ensure door is closed properly
4. If the cabinet has been recently fully loaded, observe max temperature log, a brief high temperature alarm may be due to the excessive door open period.
5. If alarms have been triggered, escalate the readings to a responsible person as the medicine/vaccine may have been damaged.
6. The CR2450 battery in the thermometer has an estimated 3000-hour life expectancy, the battery should be replaced in the thermometer approximately every 4 months.
7. The Blizzard MED140 has been validated for use as a pharmacy refrigerator however It is recommended that you have independent validation of the cabinet on site to suit your individual requirements.

## **Warranty**

Should you encounter any problems during the warranty period, please check the power supply and fuses, installation and use before placing a service call request to your supplier.

The warranty supplied with the unit will cover the repair of faults due to component failure during the stated warranty period. The warranty excludes consumable items like bulbs, gaskets, batteries etc. and any faults relating to incorrect installation, maintenance or use.

## **DISPOSAL OF PACKAGING**

Do not allow children to play the packaging, and destroy plastic bags safely. The cardboard may be broken or cut into smaller pieces and given to a waste paper disposal service. The wrapping foil is made of polyethylene. The polyethylene pads and stuffing contain no fluorochloric hydrocarbons.

All these valuable materials may be taken to a waste collecting depot and used again after adequate recycling. Consult your local authority for the name and address of the waste paper disposal services nearest to you.

## **IMPORTANT SAFETY INSTRUCTIONS**

Before switching on your chiller for the first time, read the information in this user manual carefully. The manual contains important observations relating to the assembly, operation and maintenance of the appliance.

Please keep this booklet in a safe place for future reference. If you ever sell your chiller, hand this user manual to the new owner.

The manufacture does not accept responsibility for any damages that may arise due to non-observation of these instructions. The user is liable for any material damage or bodily injury (product liability) cause by using the refrigerator carelessly or failing to follow instructions.

The manufacturer does not know what purpose you the end user, will use the product for or what items you will store in or monitor with it, therefore we cannot be responsible for the stored content. We strongly recommend that you insure the stored materials for any consequential loss which may arise from a fault in the product.

**CAUTION:**

- Do not use damaged appliances. If you are in any doubt, consult an engineer. □
- Connection and installation of your chiller are to be carried out in strict compliance with the relative instructions in this manual. □
- For safety, the appliance must be properly earthed in accordance with specifications □
- Do not damage any parts of the appliance which carry refrigerant by piercing, perforating, crushing, twisting or scraping. If the refrigerant comes into contact with the eyes, it may cause serious eye injury. □
- Always remember to unplug the appliance before cleaning. Never unplug your appliance by pulling on the power cable. Always grip plug firmly and pull straight out from the socket. Always check that the plug and cable are undamaged. □
- All repairs must be carried out by qualified engineers. Inadequate repairs may be dangerous. Never try to repair the refrigerator yourself. □
- Should the cover of the interior light or fan fall off or break, switch the refrigerator off immediately and replace the cover. □
- Ensure your chosen location has a flat and stable surface. The unit may be levelled by turning either or both of the adjustable feet in the front corners. Check the unit is level using a spirit level. □
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid hazard. □
- Be sure to leave at least 60mm of distance between the rear of the chiller and walls for ventilation, 30mm distance to be allowed above and to the sides for ventilation.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- This appliance is intended for use indoor, such as shopping centre, bar room, restaurant and so on, but not for household use.
- This appliance noise is less than 65dB.
- The Maximum load for a shelf is 30Kg.
- Do not obstruct or cover the ventilation aperture.
- Do not allow children to play with the appliance, or to sit on it or to hang onto the door.
- Make sure there is a suitable power Outlet (220-240V/50Hz, 13 amps outlet) with proper grounding to power the refrigerator.
- This appliance can be used by children aged from 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. Cleaning and user maintenance shall not be made by children without supervision.
- Do not position this appliance with its rear panel directly against a wall. For good circulation and operating efficiency, the ventilation grilles must never be blocked. Ventilation should be provided above and to each side of the unit and must never be built into a cupboard.

How to Set Alarm Thermometer Video



**BEFORE USING FOR THE FIRST TIME**

Remove all packaging and place the chiller on a stable, secure flat surface. Position the chiller away from heat sources, where the unit is well-ventilated and protected from moisture, or extremes of heat or cold. The refrigerator may not function properly if the temperature rises above +30 °C (standard models). The refrigerator meets the operating conditions according to climate class 4.

A 13A fuse is fitted. Never replace with a fuse rated higher than this.

NEVER USE AN EXTENSION LEAD. If the mains cable will not reach the nearest socket, either rearrange your store layout or ask a qualified electrician to fit a new socket. If power is cut off, wait for at least 5 minutes before plugging the unit in again to avoid damaging the compressor.

Remove thermometer from packaging and position on the front panel and insert the sensor jack plug. Do not place combustible, explosive or volatile articles, corrosive acid or alkali, or liquid in glass containers into the chiller. Always exercise caution if adjusting the temperature.

**PLUG IN**

Once plugged in the display will show the temperature inside the chiller and the compressor will after a short delay (the indicator light of cooling will on at the same time). This temperature is the actual temperature recorded by the probes inside the chiller and as the chiller cools to the set point so the number on the display will descend accordingly.

**OPERATING FRONT PANEL CONTROLLER**

Set point temperature press the SET button for one second the current set point will flash display, then press the arrow buttons to change the set point, select the desired target and then press the button to confirm the new value.

**NOTE!** The MED140 controller is locked at a set point of 5°C, the display will fluctuate between 5° and 6°C through normal use. At these settings your product will be safely stored between the recommended temperatures between +2°C and +8°C

**SETTING UP AND OPERATING THE ALARM THERMOMETER (accuracy +/-0.5°C, sampling period 10Secs, resolution 0.1°C)** (this is supplied in a box inside the cabinet and needs locating on the top panel)

**NOTE!** From NEW, the battery needs inserting into the thermometer by opening the door on the rear of the alarm thermometer and the alarm settings need adjusting to suit. The battery can be found in the lower partition of the thermometer box. If the thermometer appears low battery, do not continue to use, replace the battery immediately. The battery is a CR2450 coin cell type battery.

**Max/Min button**, short press and release, displays Max (flashing) = Max temp recorded, Min (flashing) = Min temp recorded, press and hold resets the MAX/MIN temperature logging.

**Int/Ext button**, switches display to show **IN** (when the display is fitted outside the storage area relates to the ambient temperature) **OUT** (relates to the cold storage temperature) **NOTE!** ensure **OUT** is always displayed. The probe jack plug (fitted on the cabinet) will need inserting into the LH side of the thermometer.

**Alarm button**, short press and release, switches on and off the audible alarm, **ensure AL (alarm on) is always shown on the display screen once the unit is at the desired temperature**. Press and hold adjusts the HI and LO alarm set points(flashing), use the °C/°F button on the rear of the thermometer to adjust the alarm set points.

**NOTE!** The Alarm thermometer requires setting to alarm at **LO = +2°C HI = +8°C**

**Light button**, press to momentarily illuminate the back of the thermometer display

