



# INTEGRAL ICE CUBERS

MANUAL OF INSTRUCTIONS FOR USE AND  
INSTALLATION





Integral Icemakers

**ICY20**

**ICY33**

## **Instructions for Installation & Use**

Congratulations and Thank You for purchasing this Blizzard Icemaker. The experience of our engineers and design teams have meant that we are able to bring this high specification product to you, and by following these instructions we hope and expect it to bring you problem free and efficient usage in the future.

Please read this manual thoroughly and acquaint yourself with the correct installation and operation methods. Adhering to these instructions will minimise the risk of damage or injury to the user or the machine.

All repairs should be carried out by a suitably qualified person. if you are in any doubt, please contact the retailer in the first instance to report any problems, and use ONLY genuine Blizzard parts.

## **Upon Receipt of Your Icemaker –**

- Ensure that the packaging shows no sign of damage incurred during transit
- Ensure that the machine supplied matches the item requested on the purchase order
- Check that the machine is not damaged externally, and no parts are missing
- Check that no internal damage has occurred during transit.

In the case of severe damage noted or parts missing, please report immediately to the delivery driver and retailer from which you have purchased.

The illustrations in this manual are generic and may differ slightly from the machine supplied.

Any illustration, schematic or document supplied with the machine, remain the property of the manufacturer who retain copyright and distribution rights.

The manufacturer has a commitment to continuous improvement and so reserves the right to change the specification at any time without notice.

## **Description**

The units described in this manual are self contained icemakers, namely with an integral storage bin. One half of their daily ice production capacity can be stored in the self contained bin in which a thermostat controls the ice level. This thermostat ceases ice production when stored ice come into contact and resumes when ice is removed.

The system is hermetically sealed.

## **SAFETY INSTRUCTIONS**

- To correctly operate this machine, the instructions **MUST** be followed strictly. The manufacturer accepts no responsibility for injury or damage caused by non observance of these instructions.
- In the instance of the power cable being damaged, it must be replaced **ONLY** by a suitably qualified engineer.
- Disconnect the electrical power before commencing any maintenance or cleaning of the unit and ensure that hands are dry.
- The mains supply control switch must be within arms reach of the installed machine.
- Do **NOT** remove any service panel secured with screws.
- The water shut off valve must also be within arms length of the installed machine.
- If the unit is to be moved, it is recommended that it be lifted and **NEVER** dragged or pushed, as this may cause damage to the legs.
- The icemaker should be connected to a sanitary, drinkable water supply.
- The icemaker bin is solely for the purpose of storing ice, under no circumstances should it be used to store/chill cans or bottles.

The manufacturer cannot be held responsible for improper use of the machine as specified in this user manual

## **UNPACKING**

As protection during transit, the icemaker is packed on a pallet surrounded by a heavy cardboard crate.

For moving the packed unit to site, use a fork lift truck with forks no thicker than 40mm

When unpacking, carefully cut the retaining straps and lift the cardboard crate up and away from the unit

Ensure the ice scoop is located inside the ice storage bin.

## **LOCATING**

Position the icemaker in it's final location and make sure everything need for installation is present, such as:

- Power supply and disconnect switch
- Water supply and disconnect switch
- Waste water drain connection.

To prevent any intestinal infection to consumers of ice, please ensure that the water available is drinkable. If in doubt, consult your supplier about the possible installation of a water filter or conditioner.

## **TO ENSURE OPTIMAL PERFORMANCE FROM YOUR ICEMAKER, THE FOLLOWING IS RECOMMENDED –**

- Ensure that the minimum water temperature is not lower than **+5°C** or higher than **+40°C**
- Minimum water pressure is not below 0.1MPa and maximum does not exceed 0.5MPa
- The electrical supply available corresponds to the voltage and ampacity of the machine specifications as indicated on the rating plate
- The electrical cut off switch with fuse protection must be a 2 pole type with minimum clearance of 3mm between open contacts
- The minimum ambient temperature should not be lower than **+10°C** or the maximum higher than **+40°C**
- Ensure there is a minimum space around the cabinet vents of 150mm to allow air circulation.
- Ensure there are no heat sources (kitchen stoves, cookers, radiators etc) near the machine and the environment isn't too humid.

## **INSTALLATION**

- Check the machine is level, and connect the plug to the electrical cord in compliance with local regulations
- Replace any old/used water hoses with new ones and connect to the water supply
- Ensure the drain is connected and set up properly using a spiralled hose. It should have a minimum fall of 3cm per metre
- Open water shut off valve
- Insert plug into mains socket and set the main switch to the ON position.

## STARTUP

- Before starting the machine, check the interior of the bin and ensure it is clean and ready to receive ice using an appropriate mild cleaning solution.
- Ensure the main switch is set to **ON**
- The first batch of ice should drop into the storage bin approximately 30 minutes from startup
- **ATTENTION** – If the temperature of the room in which the machine is placed is below **15°C** the freezing cycle length will be shorter (17 – 20mins). Alternatively, if the ambient temperature is **30°C** or above the cycle length will be longer (25 – 30mins)
- To stop the icemaker, always use the specific hand disconnect switch or the main unit **ON-OFF** switch.

## DAILY PRECAUTIONS

To prevent the build up of bacteria or other contaminants, please observe the following advice:

- Do not store anything in the ice bin
- Do not store explosive substances such as aerosol cans with flammable propellant in this appliance
- Keep ice scoop clean and disinfected
- Keep the bin door closed when not in use
- Whilst cleaning floors around the machine, ensure that dust does not get sucked in by the fan motor.

## TO AVOID DAMAGE TO THE UNIT

- Never shut off the water supply whilst in operation
- Take care when opening and closing the door, never slam or kick it closed
- Do not place on or around the icemaker, any objects that may limit proper ventilation and jeopardize hygienic conditions

## **CLEANING AND MAINTENANCE**

Ensure the ice machine is well cleaned at least once a month or when the ice cubes are improperly shaped

- Remove the spray platen from the interior of the evaporator case
- Thoroughly clean the spray platform by immersing in a solution of lukewarm water and a descaling solution, then rinse thoroughly with clean water
- Wipe clean the ice storage area using a mild detergent solution
- Rinse them thoroughly disinfect it's surfaces with a neural antibacterial cleanser
- Do not use any harsh abrasive cleaners or materials and always clean the unit with a soft cloth.

## **CLEANING OF THE WATER CIRCUIT**

Special attention must be observed to the importance of cleaning the water system. To perform this cleaning, contact an appropriately qualified person at least twice a year, if you are unsure, contact your supplier in the first instance who should be able to recommend one.

It is recommended that a propriety brand of ice machine cleaner is used to remove any mineral sediment and scale build up.

## **DISPOSAL**

To protect the environment, observe all current local regulations. When the machine has reached the end of it's life, the following procedure must be followed

- 1.** All refrigerant and coils from the cooling circuit must be removed by an authorised refrigeration contractor
- 2.** Dismantle the machine and dispose of individual components in appropriate recycling banks.



## **TROUBLE SHOOTING**

In the unlikely event of a fault with your machine, please observe the following faults and their solutions. If they fail to solve the problem, do not carry out any repairs yourself and contact a suitably qualified engineer.

### ***THE MACHINE DOES NOT WORK***

- Is the machine switched on and connected to the mains?
- Check blown fuses at the fusebox
- Ensure the plug is fully inserted into the power socket

### ***ICE MAKING CAPACITY REDUCED OR INEFFICIENT***

- Is the water shut off valve open?
- Is water and ambient temperature too high?
- Are there heating sources close to machine or any obstruction to the ventilation?

### ***THE ICE CUBES ARE NOT FORMING NORMALLY***

- Is there a sufficient water supply?
- Is the water inlet strainer clogged up?
- Are the water spray nozzle or the spray platform partially clogged up?

This user manual has been compiled by Blizzard Refrigeration, exclusive to Pentland Wholesale Ltd.

For further information, images or specifications please visit our website

**[www.pentlandwholesale.co.uk](http://www.pentlandwholesale.co.uk)**



For spares or parts breakdowns, please contact our spares department on

**0845 2410322**

Or visit the website

**[www.pentlandparts.co.uk](http://www.pentlandparts.co.uk)**



Blizzard Spares