

Open Display

OPERATION INSTRUCTIONS





BZ-GRAB100

BZ-GRAB60

Thank you for choosing and purchasing our product. Please carefully read the operation instructions beforeuse for a correct application and satisfactory effect.

This appliance compliance with the requirement of directive 2006/42/EC.

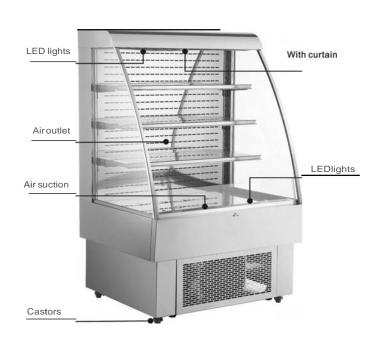
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General

This product is a type of chilling cabinet, which is our new development of refrigeration combining the advanced technologies from both and abroad on the basis of food cabinet standards and corporate criteria. Its main kits and key components are all good brands, either and streamlined design, the product integrates the actual market demand in structural design, which better cater to the ergonomics requirements of consumers. This series applies mainly to displaying and selling of drinks, dairy products, vegetables and fruits.

Structure and Parts



Handle with care Unplug the wall socket first. Never tilt it over 45 degree duringhandling.



Dry place Always locate the refrigerator ata dry place.



Sufficient space

Handle and Erection

The distance from both sides and back of refrigerator to wall or othersubstance must be More than 10cm. The refrigeration capability might be decreased if its surround space is too small to circulate air.



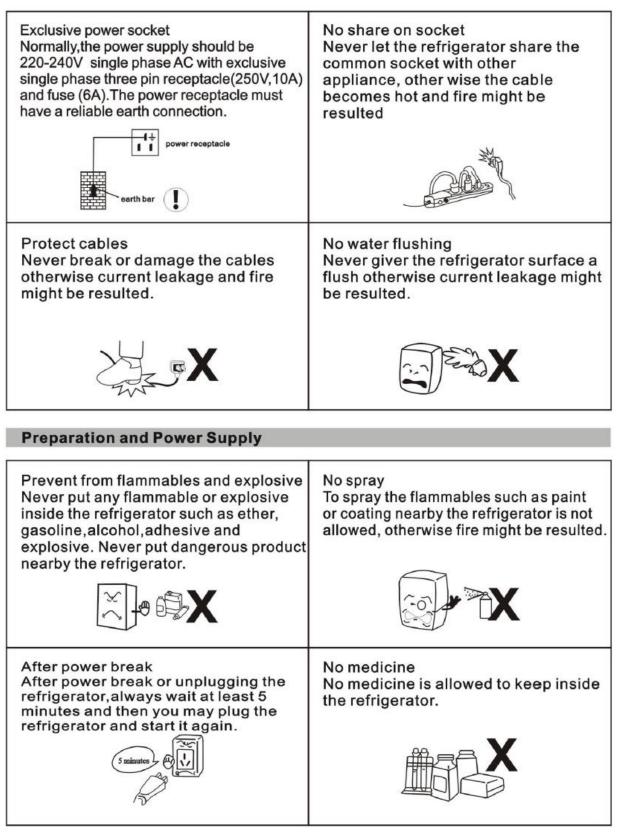
Well ventilation

Always locate the refrigerator at aplace with fine ventilation. For the first time use, wait for 2 hours afterhandling and then plug the wall socket and start it.



Far from heat source No heavy load Never place the refrigerator directly Never put any heavy load on thetop of the under the sunshine. Never locate it nearby any heat source or heater to refrigerator. prevent it from reducing refrigeration capability. No hole making Stable location Never make hole on the refrigerator. To avoid the unexpected noiseand Never install othermatter on the vibration, Unpacking and locate the refrigerator. refrigerator on a fl id place.

Preparation and Power Supply



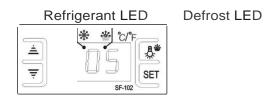
Use and Caution

1. Before use:

Plug the refrigerator on 220-240V- exclusive socket.

After the refrigerator running, put hand on the air suction to confirm it is sufficient cold. Then you may put food inside the cold box.

2. Digital temperature controller



It is a mini-sized and integrated intelligent controller and applicable to the compressor of one Hp. The main functions are: Temperature Display/Temperature Control/ Manual. automatic defrost by turning off/illumination Control/Value Storing /Self Testing /Parameter Locking

Front panel operation

1, Set temperature

Press is button, the set temperature is displayed. Press is or is button to modify and store the displayed value. Press is button to exit the adjustment and display the cold-room temperature.

- 2, If no more button is pressed within 10 seconds , the cold-room temperature will be displayed.
- Illumination: Press
 ^{III} button, it lights; Press
 ^{III} again, it stops.
 Manual start/stop defrost: Press button and hold for 6 seconds to defrost or stop
 defrost.
- 4, Refrigerant LED: During refrigeration, the LED is on; When the cold room temp. is constant, the LED is off; During the delay start, the LED flashes.
- 5, Defrost LED: during defrosting, the LED is on; When is stops defrosting , the LED isoff, During the delay display of defrost, the LED flashes.
- ,6 Digital controller reset

3, Cautions

If the supply cord is damaged , it must be replaced by the manufacturer , its service agent or similarly qualified persons in order to avoid a hazard.

Never block the air suction and outlet. Keep air circulation and refrigeration capability.

Do not make food congested as it will influence the cooling effect. Adjust the rack height for proper food storage.

Cool the hot food down to room temperature before you put it into the refrigerator.

Try to pull down the curtain and keep refrigerator inside cold in case the power is cut off. Never touch compressor to avoid from scald.

Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance. During normal operation, the emission noise level does not exceed 70dB(A).

The maximum loading of the Shelf does not exceed 18kg.

The climatic class of the appliance is 6, the Units are suggested to be used at $1.6^{\circ}C$ -27°C ambient temperature.

To avoid damages or other problems, this product cannot be put or stored with any corrosive food.

Maintenance

1. Cabinet cleaning. The product should be cleaned once a week with power supply disconnected. In cleaning, please use mild rinsing water or non-corrosive cleanser essence. Do not wash it directly with water faucet.

2. Cleaning for filter

• Message "EE4" appearing on the display, please clean the filter immediately. After cleaning, if message "EE4" appearing again, please contact your after service.

Instructions for Cleaning

- Before cleaning, please make sure the device has been disconnected from the power socket. Pull out the handle of the front bottom base panel
- Open the front bottom base panel, take out the filter and clean it.



- **3.** Leaking check. Observe all connectors and welding joints for oil stain, which indicates a must for patching measures or call for professionals.
- **4.** Frequently observe the operation of the product. In case of any abnormal noise, smell, or smog, cut off the power supply immediately and call for professionals for help. Do not restart the product before trouble is cleared.
- **5.** We will not be responsible for any accident incurred by failures of following the notices.

Trouble Shooting

Number	Troubles	Causes	Solutions
1	Strange noise under the bottom shelf	Fan blade broken.	Power off and fix the blade.
2	Non-refrigerating in spite of normal operation	 Unit off. Melting process Refrigerant leaking Unit failure. 	 Power on. Stop melting. Patch the leak and refill refrigerant Call for professionals.
3	Weak air from air curtain, and higher cabinet temperature	 Evaporator blocked by frost. Inside fan damaged. Too low set point of temperature controller. Vent blocked by storage 	 I.haeae melting frequency. Replace the fan. Adjust the set point. Remove the storage.
4	Normal air curtain, but higher cabinet temperature	 Insufficient refrigerant. Too high set point of temperature controllers. The wind curtain disturbed by strong air flow. Ambient temperature or humidity beyond standards. 	 Refill the refrigerant. Adjust the set point for the temperature controller. Removing the disturbing factors. Improve the conditions.
5	Melting water overflown	I. Heating pipe for melting water damaged2.Water-level controller failure.3.Ambient temperature or humidity beyond standards.	I. Replace the heating pipe.2.Replace the water-level controller.3.Improve the conditions.
6	Normal air curtain, but Periodical fluctuation of cabinet temperature	 Condenser contaminated. Poor venting of the unit. Heat protection of compressor failure Capillary is blocked by ice Temperature controller failure. 	I. Clean the condenser.2.1mprove the venting conditions.3.Replace the heat protection.4.Replace the drying filter.5.Replace the temperature controller

Note

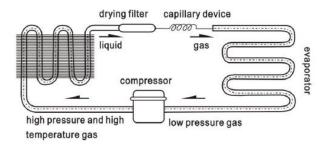
Following phenomena are not troubles:

The murmur of water is heard when the refrigerator is working. It is a normal phenomenon as the coolant is circulating in the system.

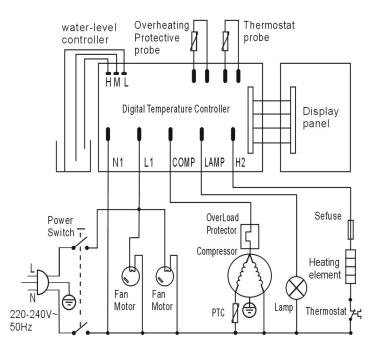
In wet season, condensation might be found on the outside of the refrigerator. It is not a trouble, which is caused by high humidity. Simply use cloth to wipe it.

Principle of Refrigeration System and Electric Circuit Diagram

The principle of compression refrigeration consists of "compression", "condensation", "throttling" and "vaporization". The compression is undertaken by compressor, the condensation is completed by condenser, the throttling valve is executed by capillary and the vaporization is implemented by evaporator. When the coolant is circulating in the closed refrigeration system, the compressor sucks coolant, which has absorbs heat in evaporator, the coolant becomes a high pressure and high temperature gas. In condenser, it dissipates heat in air, while the coolant is re-liquefied and throttled in capillary and then enters into evaporator with low pressure. The liquefied coolant quickly boils and vaporizes into gas when the pressure suddenly drops. Meanwhile, it absorbs heat inside the refrigerator. And the compressor sucks the low pressure and low temperature gaseous coolant,...It is circulating in this way up to realization of intended refrigeration.



Circuit Diagram



Major Parameters

	BZ-GRAB100	BZ-GRAB60
Coolant and injection quantity(g)	R290&148	R290&143
General Rated input power(W)	1300	1300
Power running of electrical heating element(W)	490	490
Max.ambienttemp./RH	<27'C/70%	<27'C/70%
Refrigeration temperature(°C)	2-10	2-10
Rated voltage(V)	220-240-	220-240-
Rated Frequency(Hz)	50	50
Rated Current(A)	6.7	6.7
Type of Climate	6	6
Net weight(kg)	107	82
Lamp power(W)	2.5*2(LED)	2.5*2(LED)
Total effective volume(L)	380	230
Overall dimension (mm) (LxWxH)	1000x890x1520	600x890x1520

Note

1. The electric circuit diagram and parameters on the product name plate are final ones if they have been changed.

2. The design might be improved without notice.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons

ADDITIONAL WARNING:

Caution: risk of in order to avoid a hazard fire. The height of the triangle in the symbol shall be at least 15mm.



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.

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 gags 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 centers (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 symbols:

CE

UK CA

Pentland Wholesale Ltd, Blizzard House, Unit17 Walker Ind Est, Walker Road, Blackburn, BB1 2QE Tel: 01254 614444 Website: www.pentlandwholesale.co.uk