Esta®

Bedienungsanleitung

ESTA-Wandkühlregal

OFC390B

EUREKA®

seit 1967

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Operation instructions

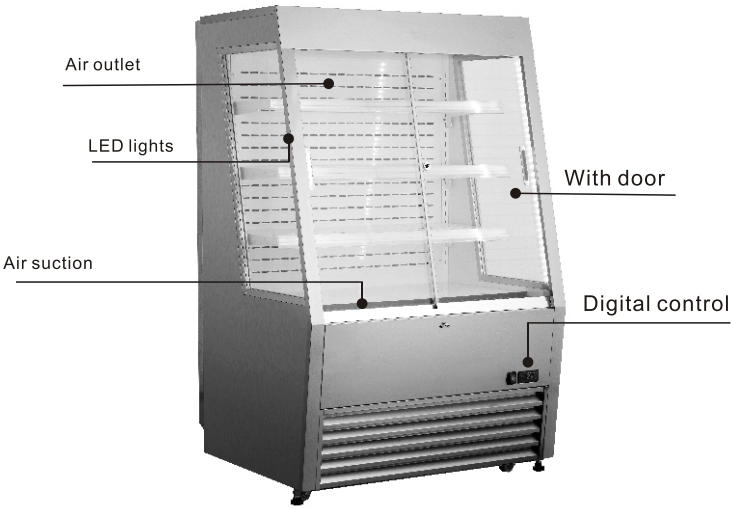
Thank you for choosing and purchasing our product. Please carefully read the operation instructions before use for a correct application and satisfactory effect.

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

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 and placement

Handle with care

Unplug the wall socket first.

Never tilt it over 45 degree during handling

Dry place

Always locate the refrigerator at a dry place.

Sufficient space

The distance from both sides and back of refrigerator to wall or other substance must not less 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 a place with fine ventilation. For the first time use, wait for 2 hours after handling and then plug the wall socket and start it.

Far from heat source

Never place the refrigerator directly under the sunshine. Never locate it nearby any heat source or heater to prevent it from reducing refrigeration capability.

No heavy load

Never put any heavy load on the top of the refrigerator.

No hole making

Never make hole on the refrigerator. Never install other matter on the refrigerator.

Stable location

To avoid the unexpected noise and vibration, Unpacking and locate the refrigerator on a flat and solid place.

Preparation and Power Supply

Power socket

Normally, the power supply should be 220-240V, single phase AC with exclusive single phase three pin receptacle (250V 10A) and fuse (6A). The power receptacle must have a reliable earth connection.

No share on socket
Never let the refrigerator share the common socket with other appliance, otherwise the cable becomes hot and fire might be resulted.

Protect cables
Never break or damage the cables otherwise current leakage and fire might be resulted.

No water flushing
Never give the refrigerator surface a flush otherwise current leakage might be resulted.

Prevent from flammables and explosive
Never put any flammable or explosive inside the refrigerator such as ether, gasoline, alcohol, adhesive and explosive. Never put dangerous product nearby the refrigerator.

No spray
To spray the flammables such as paint or coating nearby the refrigerator is not allowed, otherwise fire might be resulted

After power break
After power break or unplugging the refrigerator, always wail at least 5 minutes and then you may plug the refrigerator and start it again.

No medicine
No medicine is allowed to keep inside the refrigerator.

Use and Caution

Before use:
Plug the refrigerator on 220-240V~ exclusive socket.

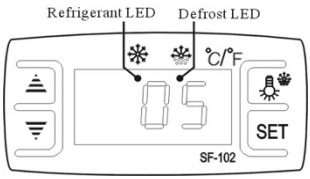
After the refrigerator running, put hand on the air suction to confirm it is sufficient cold. Then you may put food inside the cold box.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Children should be supervised to ensure that they do not play with the appliance.

This operation manual is not suitable for the persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge.

Digital temperature controller



Control

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 burning off
- Illumination Control
- Value Storing
- Self Testing
- Parameter Locking

Front Panel Operation

Set temperature

Press **“SET“** button, the set temperature is displayed.

Press **“UP“** or **“DOWN”** button to modify and store the displayed value.

Press **“SET“** button to exit the adjustment and display the cold-room temperature.

If no more button is pressed within 10 seconds, the cold-room temperature will be displayed.

Illumination: press **“LIGHT”** button, it light; Press again, it stop.

Manual start/stop defrost: press the **“LIGHT”** button and hold for 6 seconds to defrost or stop defrost.

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.

Defrost LED: during defrosting, the LED is on; When is stops defrosting, the LED is off, During the delay display of defrost, the LED flashes.

Digital controller reset

When display shows "**Disorder",** press **"DOWN"** button for 2s until buzzer rings, quickly press **"UP"** button for 6s until buzzer rings again, the display will flash for 3s and it restores factory setting.

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.

During normal operation, the emission noise level does not exceed 70 dB(A).

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

The climatic class of the appliance is 6, the units are suggested to be used at 16°C - 27°C ambient temperature.

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

Maintenance

Cabinet cleaning.

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

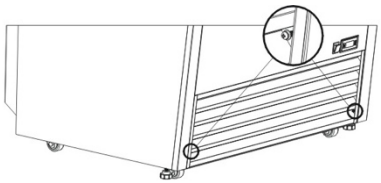
Cleaning for filter

To keep the device in good working condition, the condenser should be cleaned every 1 months.

Message **“EE4”** appearing on the display, please clean the condenser immediately. After cleaning, if message **“EE4”** appearing again, please contact your after service.

Instructions for Cleaning

A



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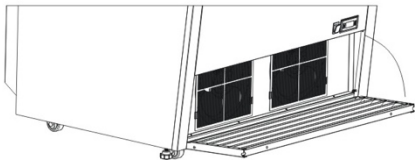


Before beginning with cleaning filter, please make sure the device has been disconnected from power socket. Remove 2 screws from the top of the front grill, see drawing

A. After the screws are loose, please take off the bottom front panel, see drawing

B. Remove the dust with wire brushes or high pressure cleaner.

Leaking check.

Observe all connectors and welding joints for oil stain, which indicates a must for patching measures or call for professionals.

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.

We will not be responsible for any accident incurred by failures of following the notices.

Trouble Shooting

No	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	Increase melting frequency Replace the fan Adjust the set point Remove the storage
4	Normal air curtain, but higher cabinet temperture	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	Heating pipe for melting water damaged Water-level controller failure Ambient temperature or humidity beyond standards	Replace the heating pipe Replace the water-level controller 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	Clean the condenser Improve the venting conditions Replace the heat protection Replace the drying filter Replace the temperature controller

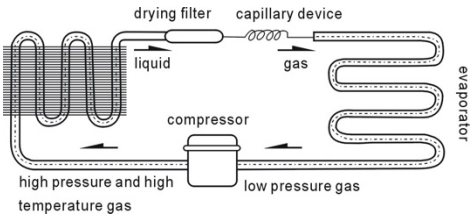
Note

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.

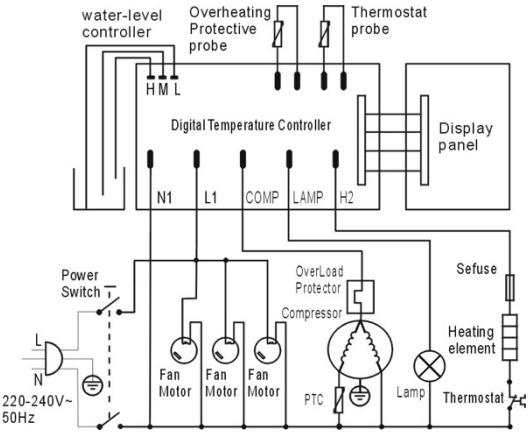
In wet season, condensation might be found on the outside of the refrigerator. It is not a trouble, which is caused by high humidity. Simply use cloth to wipe it.

Principle of Refrigeration System



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 absorbed the 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

Coolant and injection quantity (g)	R290 (148)
General Rated input power (W)	1300
Power running of electrical heating element (W)	490
Max. ambient temp. /RH	<27°C / 70%
Refrigeration Temperature (°C)	2-10
Rated voltage (V)	220-240
Rated frequency (Hz)	50
Rated current (A)	6.7
Type of Climate	6
Foaming agent	Cyclopentane
Net weight (kg)	130.5
Lamp power (W)	2.5 x 2 (LED)
Total effective volume (L)	320
Overall dimension (mm) (LxWxH)	918 x 792 x 1459

Betriebsstörung
Ist die Temperatur in dem Wandkühlregals unzulässig hoch, prüfen Sie bitte zuerst:

1. Ist der Netzstecker richtig in die Steckdose eingesetzt?
2. Ist der Thermostat richtig eingestellt?
3. Liegt Spannung im Stromnetz an? Hat der FI Schalter ausgelöst?
4. Sind die Deckel oder Türen richtig geschlossen?
5. Haben Sie ungewöhnliche Umgebungsbedingungen? (Temperatur > 32°C? Luftfeuchte > 55%?). Sorgen Sie ggf. für Abluft und Klimatisierung des Raumes.
6. Sind Lüftungsschlitze verschmutzt oder verdeckt, so dass die Abwärme nicht wegströmen kann?
7. Hören Sie ungewöhnlich laute Geräusche aus dem Maschinenraum?

Bitte stellen Sie sicher, dass die o. g. Punkte 1. bis 7. als Fehlerursache ausscheiden. Schalten Sie erst dann einen Kältefachmann ein. Bei Reklamationen und Anforderung eines Kundendienstes geben Sie bitte die Typbezeichnung des Kühl-/Tiefkühlgeräts und die Seriennummer an. Sie finden die Daten auf dem Typschild, in der Regel im Innenraum auf der linken Seite.

Entsorgung
Wenn Sie das Gerät endgültig außer Betrieb nehmen, dann entsorgen Sie das Gerät bitte über öffentliche Sammelstellen.
Geben Sie das Gerät nicht in den Hausmüll. Achten Sie darauf, dass Sie den Kältekreislauf nicht beschädigen! Machen Sie das Gerät unbrauchbar, Netzstecker ziehen und Netzkabel durchtrennen.

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