



THERMOTECHNIKA
C R O W N C O O L
EUROPEAN ECONOMIC INTEREST GROUP

INSTRUCTIONS MANUAL

J-400 GD típusú hűtővitrinhez



Distributed by: Thermotechnika Kereskedelmi Kft.
www.tchungary.com



IMPORTANT INFORMATION

To ensure safe operation and long life please carefully read the following instructions to make sure that the equipment is used properly and is warranty conditions are fulfilled.

The coolers are used for storing and demonstration of packaged and unpackaged food, beverages, aesthetic display of food. The units fulfill the most current electrical safety standards and all have CE qualification.

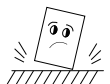
The distributor and the manufacturer has no liability against damages arising from misuse of the contents of this instruction manual.



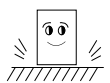
DELIVERY AND UNPACKING



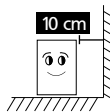
Make sure that unit is transported properly, placed only at a standstill position! Upon arrival please check that the unit is not damaged.



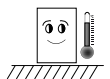
Do not tilt the unit to the ground when removing the packaging! Have special attention to the glass surfaces.



After removing the packaging of the unit place it on a firm, dry and level surface in each case. Make sure to remove all the extraneous things (eg. adhesive foil) and ventilate the machine. A place to set up the unit should be where the floor is suitably firm.



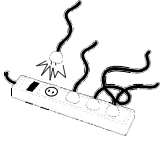
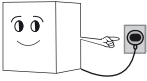
The distance between the wall and the sides of the device must be minimum 10 cm. If you do not have a proper air gap, the cooling performance may be degraded.



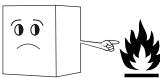
If the unit is cold-stored / transported, wait and turn it on later.



SECURITY INSTRUCTIONS



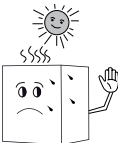
- The unit coming from a disassembled state can be assembled only by a qualified technician.
- The unit can be connected only to a rated voltage of 230 V AC. The sockets should be grounded and equipped with 6A fuse, power switch and protection against short circuits and overcharge. Please contact a qualified electrician for conditions. The power supply cord must not be lengthened!
- Make sure that the power supply elements are adequate, the machine can be connected only to a grounded electrical socket.
- Before connecting check if the voltage specifications fit with your equipment.
- Use only the installed power cord and socket, never use T plug to avoid overheating. The socket should be at an easily available location.
- In all cases grab the plug not the cord when unplugging to avoid line break and electric shock.
- When unplugging, wait at least 5 minutes until you reconnect.
- Please do not touch electrical components with wet hands! That can cause fault circuit and fire.
- If you use the unit in damp rooms, install an electronic circuit breaker.



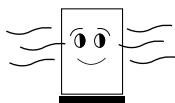
- Do not store flammable or volatile substances in and around the unit.



- Use it only indoors. If exposed to rain or flooding the unit can cause a short circuit.



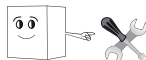
- The cooling power is reduced if the unit is placed to a place where heat reaches the condenser (stove, direct sunlight).



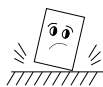
- The cooling power is reduced if the unit is placed to a place where there is no adequate ventilation.



- Never pour water directly on the unit as it may cause a short circuit.
- Never put object with water or a heavy objects to the top of the unit. If it falls it can cause a damage, and the flowing water can cause closed circuit!



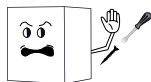
- The unit should be assembled and disassembled by service professional only.



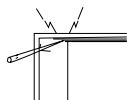
- Make sure that the unit does not fall over when moving. The unit can cause serious injury if falls over.



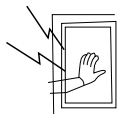
- Make sure to keep this unit inaccessible to children.



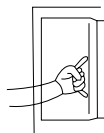
- Do not drill holes into the unit, do not attach anything to the unit.



- Never point your finger or any tool to the refrigeration area as a high-speed rotation of the fan can cause injuries



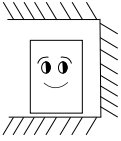
- Do not rely on the doors as the unit may fall.
- Avoid strong shocks either manually or by any other means to the unit, as the breaking of glass could result in a risk of injury.
- The door can be levelled by a qualified technician only because this can be achieved only by disassembling the cover of the unit



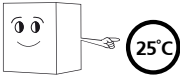
- Open and close the doors by the door handle to avoid damage of the insulation rubber.
- Keep the door of the unit closed open only for a short time.
- Store the goods in the unit in a way that it does not impede air circulation.



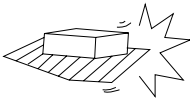
INSTALLATION



- In any case place the unit to a horizontally even position by setting the adjustable legs accordingly, in order to achieve quiet operations and proper flow of the evaporation water.
- Make sure to place the unit away from the walls! The unit should not be in air conditioning airflow. Do not place the unit in close proximity to objects that prevent the free ventilation.
- The unit operates efficiently if it is affected by the least heat from the outside. In this case the cooling efficiency decreases and energy consumption increases, therefore do not place the unit to a sunny place or next to any heat source such as stoves or radiators.
- The unit operates at 25 ° C. and 60% humidity optimally.
- Set the internal temperatures as necessary, but overcooling involves higher energy use.



- Fill in unit with products only after the it has reached its desired internal temperature. Do not place hot products into the unit



- Ensure that the shelves are placed into the unit properly. Do not overload the shelves. Allowed weight is 30 kg / shelf
- Make sure the shelf holder sticks are in proper position, if it falls down it can cause injuries and damages.
- The products should not be extended over the shelves, do not load products on the bottom of the unit, place products only on the shelves.



GENERAL CLEANING

- In any case, unplug the unit before cleaning!
- Do not use flammable spray for cleaning. Do not pour water on the unit because it can cause short circuit.
- The internal and external surfaces of the unit can be cleaned with a soft cloth or sponge and tap water or soapy water.
- It is important to clean regularly the evaporator (metal grille on the back), the drained water must be frequently removed.

- Avoid to clean the glass door with abrasive cleaning materials!
- The condenser unit must be cleaned 4-6 times a year. Turn off the unit and use vacuum cleaner or a strong brush. The uncleaned condenser may result capacity loss or the condenser may burn down. The resulting damage can not guarantee error.
- In order to remove the evaporated water open the lower perforated sheet. In the vessel below the evaporated water is gathered, which should be emptied from time to time.
- Various types of stainless steel plates (201/202/430/304) react differently to different detergents. Do not clean the 201 and the 430 sheet steel units with acidic or alkaline agent, because it may result staining on the metal surface.
- As to what type of equipment is made of stainless steel, please contact your dealer!



When maintaining repairing please unplug the unit.

- **Repairs to the unit must be carried out by qualified personnel. For all repairs please call the service! The distributor and the manufacturer has no liability or damages arising from misuse of the contents of this instruction manual.**
- in case of malfunction in all cases turn off the unit until service arrives. During repair the safe cooled storage of products might be necessary by a spare cooler, which must be provided by the customer.
- Please note that the unit is operating fractionally, so the stopping of compressor does not mean the unit beeing plugged off the mains. **Therefore, accessing the electrical parts of the device before unplugging is strictly forbidden!**

Internal lights: replacement of light tube

- First, unplug the device!
- Remove the cover, turn the light tube by 90° and lift out the tube. Insert the new tube, turn it by 90° to the opposite direction. Put back the plastic cover.

Decoration lights: replacement of light tube

- First, unplug the device! Facing the unit, remove the left side plastic cover and remove the front cover. Lift out the tube and replace it. Put the covers back the same way.
- In case of door lock replacement call the service center.
- We recommend that you maintain the unit 4-6 times a year! The cleaning process is carried out by qualified service-holes.

Mechanical temperature control

The operating temperature is regulated by a mechanical thermostat. The temperature can be changed by turning the control button to the desired setting.

Digital temperature control

The operating temperature of the machine is controlled by the electronic thermostat which is pre-adjusted at the factory. If you want to change the pre-adjusted value of the thermostat and set a different temperature just follow the instructions:

- ① Keep the „SET“ button pressed on the thermostat for 4 seconds (Depending on the type the button can be marked as P or ☼) Then the LED - depending on the type- will light up and the main value will appear on the screen in centigrade.
- ② Increase or decrease the main value using the ▲ and ▼ keys until you achieve the desired value. (Depending on the type keys can be marked as ▲☼ and ▼☼ ... too.)
- ③ After setting the desired value press the „SET“ button in order to confirm the new set point value. (Depending on the type the button can be marked as P or ☼) The LED light will turn off and the machine will operate at the new temperature value.

Attention! If you skip step 3. the machine will not record the desired value and it will automatically return to the original temperature.

Attention! The buttons on the thermostat have different functions and they can allow to access a hidden menu. However the hidden menu allows you to set values that only a skilled specialist can control. **Please note if you set a parameter in the hidden menu you may lose the guarantee on the machine.**

The use of continuous low (close to 2 ° C) temperature results a constant, non-stop operation of the machine and may cause a frost on the surface of the glass and the showcase. The frost may be caused by different use (other than the required), higher than 25 ° C ambient temperature or if the humidity is above 60%.

Defrosting

In case of digital thermostats defrosting is automatic, but environmental conditons eg. high temperature, humidity, overfilling or possible icing may need manual defrosting. Take out the products of the fridge and protect them from higher temperatures.

- Press and hold (approx. 3 seconds) ** button (depending on the model, this key can be „def“ or ▼☼ marked) and the defrost starts. The display - lights up and „dF“ appears on the display, which indicates that the defrost cycle is in progress - depending on the model. The defrost is finished, the machine will automatically restart.

The manufacturer and distributor are not responsible for failures resulting in the following situations:

- Inappropriate installation (not as described in the instructions manual)
- Inappropriate use (not as described in the instructions manual)
- Errors derived from inappropriate maintenance

- External electrical interference
- Failure resulting from the use of non-original parts
- Damages broken glass nor other errors caused by the owner of the device



BEFORE CALLING FOR THE MAINTENANCE

Before calling for maintenance, please make sure of the following.

If the unit does not start:

- Make sure the connection to the mains is OK.
- Check that the fuse is not blown away or out the circuit breaker is not melted down.
- Make sure the thermostat is not in position „0“, set it to position „4“.

If the compressor runs continuously:

- Make sure that the air flow does not prevented by any of the goods.

If the refrigerator is noisy:

- Make sure that the unit is not in contact with the wall or other furniture.
- Make sure that the unit is levelled.

If the products have not the suitable temperature:

- Check the adjusted temperature.
- Make sure that the ambient temperature is not too high, and accordingly adjust the temperature regulation. Please note that products placed in the unit with higher temperatures need more time to cool down

If there is defrost water on the bottom of the unit's storage area:

- Make sure that the unit is levelled.

Evaporator freezes (this is only possible with block evaporators)

- Do not be alarmed, the digital temperature control will automatically defrost and the compressor will turn on with delay. The compressor will restart after the defrost cycle. Turn to maintenance only if the icing will not stop.

If smoke comes out of the unit:

Unplug the unit and call maintenance

TECHNICAL DATA

J-400 GD DT üvegajtós hűtővitrin

A hűtővitrin 5 db polccal, fehér vagy antracit műanyag bevonatú acéllemez külsővel és világoszürke belsővel, állítható lábakkal, digitális hőfokszabályozással, digitális hőfokkijelzéssel, belső, kétsoros LED világítással és ventilációs hűtéssel rendelkezik.

DIMENSIONS / WEIGHT	
Net Capacity (liter)	375
Gross Capacity (liter)	400
External Size W*D*H (mm)	595x625x1846
External Size with canopy W*D*H (mm)	595x625x2240
Internal Size W*D*H (mm)	505x480x1555
Packing Size W*D*H (mm)	670x665x2070
Packing Size with canopy W*D*H (mm)	670x665x2350
Net Weight (kg)	88
Gross Weight (kg)	103
Door size W*H (mm)	595x1633
Number of shelves (standard) pcs	5
Shelf size (a) W*D (mm)	480x440
Shelf payload, max (kg)	30

TECHNICAL SPECIFICATIONS	
Climate type (SN, N, ST,T)	N
Temperature Range (°C)	1-10
Temperature Control (Brand , Model)	digitális
Refrigerant (Type / gram)	R600a
Rated Voltage / Frequency (V / Hz)	230/50
Current (A)	1,1
Input power (Cooling capacity) (Watt)	180
Energy consumption	1,75
Door Material	glass, plastic frame glass door
Internal Material / Color	plastic covered steel
External Material / Color	plastic covered steel
Type of cabinet lighting: vert. / hor.	vertical, on one side, LED

Type of cooling (static / dynamic)	dynamic
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LOADING

330 ml glass bottle (pcs)	231
500 ml glass bottle (pcs)	189
330 ml can (pcs)	399
500 ml can (pcs)	273

330 ml glass bottle (pcs)	7
500 ml glass bottle (pcs)	7
330 ml can (pcs)	7
500 ml can (pcs)	7

ACCESSORIES

Light for glass door models(Yes / No)	yes
Canopy	optional
Lock & Key	yes



WASTE MANAGEMENT

After the withdrawal from service, unit must be delivered to official recycling yard to be arranged for dismantling

Thermotechnika Kereskedelmi Kft.

1103-Budapest, Kőér u. 3/F

1475 Budapest, Pf.: 139

Tel: (06-1) 260-7126, (06-1) 260-7704, Fax: (06-1) 433-3850

e-mail: thermotechnika@tchungary.com

www.tchungary.com