

07/2018

Mod: TAVX/2-R2

Production code: FGB 251/145 APO



Diamond
catering equipment



FGB'S

Gás R290



Operating and Maintenance Instructions

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INSTRUCTIONS

IMPORTANT

After having acquired this refrigerator, read the recommendations carefully and always keep them within easy reach. Suitable installation and a rational use in accordance with these recommendations will make it possible to obtain more profitable use of the refrigerator. This refrigerator is intended for intended for keeping fresh food and drinks cool and for preservative purposes.

1. Recycling instructions



1.1- Recycling of packaging

The packaging, protect the cabinet during the carriage. The material used are reused.

Help us to protect the environment and recycling the packaging, contact the municipal services to obtain information's how to proceed.

Be careful with the place storage of packaging material, it must be away from the children, trying to put them in places of recycling.

1.2- Recycling of used equipments

 This appliance is labeled in accordance with European Directive 2012/19/CE concerning used electrical and electronic appliances (waste electrical and electronic equipment – WEEE). The guideline determines the framework for the return and recycling of used appliances as applicable throughout the EU. The appliance is not without value and must not be treated as an ordinary domestic waste. Remove them in an environmentally responsible way to recover valuable raw materials.	 ADVICE! In equipments out of service must: - Disconnect the cabinet. - Cut the electric cable and move them away from the equipment like the power plug. - The cooling equipments have refrigerant fluid, it must be correctly eliminate. <u>Be careful for don't damage the tube where circulate the cooling fluid, until your recycling.</u>
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2. Safety instructions and warning

After having acquired this cabinet, read the recommendations carefully and always keep them within easy reach.

Must keep the instructions in a safe place and accessible to the user, the instructions manual have important information's like the installation, utilization and maintenance of the equipment. Save all the documentation for utilization or for other person who will acquire the equipment.

2.1- Technical Safety

This cabinet has a little quantity of refrigerant fluid (R290) not pollutant, but inflammable.

Must be careful for don't damage the tube where circulate the refrigerant fluid during the carriage or installation. The refrigerant fluid can escape and cause damage on the eyes.

In case of damage:

- Must keep the cabinet away from the flames
- Ventilate the cabinet for a few minutes
- Disconnect the cabinet
- Contact the technical services.

The room where the equipment should be installed must be bigger than the quantity of refrigerant fluid the equipment. In small places and in occurrence of a leak, can form a mixture of gas inflammable.

For each 8g the refrigerant fluid, the room must be at least 1m³. The quantity of fluid refrigerant is in the characteristic plate of the equipment, inside the cabinet.

The maintenance operations must be done by the manufacturer, its service agent or similarly qualified persons in order to avoid hazard.

2.2- Recomendattions for use

- Before connecting the cabinet, check whether there as been any damage to the cable and plug during transport.
- This device belongs to climatic class 4 (indicated in the plate of characteristics) for what the allowable room temperature in which the device should function will have to be between +16 °C and +32° C.
- Do not touch the cabinet with wet or damp hands or feet.
- This device is not foreseen to be used by people (including children) whose physical capacities, sensorial or mental are reduced, or people with lack of experience or knowledge, except if they will be able to benefit, through a responsible person for its security, of a monitoring or previous instructions relative to the use of the device.
- Never disconnect the cabinet from the power point by pulling the power cable. Use the ribbed area to grip the plug.
- Never use electronic device inside this device (warmer...) **Danger of explosion.**
- Never use mechanical devices for accelerate de defrosting, different than recommended by the manufacturer. (e.g. Defrosting or cleaning the equipment with a steam cleaner! The steam could reach the electric elements and cause short circuit. **Danger of electric shock.**
- For defrosting and cleaning, must disconnect the cabinet.
- Don't use sharps objects for eliminate ice, this action could damage the tube where circulates the cooling fluid. The cooling fluid could be in fire and cause injuries on the eyes.
- Don't save inside the equipment products with propeller gas (e.g spays tin) and explosive products. **Danger of explosion.**
- Don't use drawers, doors like support zone.
- Alcohol of high percentage just must be save inside the equipment if him was save in container hermetically close and in upright position.
- Don't leave the packing and our components near the children. **Danger of suffocation!**
- Não deixar a embalagem e todos os seus componentes ao alcance das crianças. **Perigo de asfixia!**
- Never try to repair the cabinet.
- In the case the equipments have lock. Save the key far away from the children.

3.Environmental information

3.1- Unpacking the refrigerator

- Take off the plastic packing and remove the protections and pallet.
- Care should be taken when storing refrigerator packing materials. Take care to see that the refrigerator packing is placed out of the reach of children. If possible, try to put the packing in a place where it could be recycled.
- Check whether the refrigerator has been damaged during transport.
- Place the leveling feet after removing the pallet
- Pull the electrical cable through the opening in the rear grille.

- Place the shelves after applying, in first place, the supports in the gutters (two supports in excess are always supplied, that will serve as spare accessories, case if it comes to astray some).
- The weight limit for each shelf should be 40 kg/m²

3.2- Locating the refrigerator

- The refrigerator should be located in a dry place, on a horizontal surface which can support its weight when fully loaded.
- The refrigerator must be placed in such a way that the plug is accessible.
- Avoid moving the cabinet when it is fully loaded.
- The refrigerator should be placed away from any heat source and direct sunlight so as to reduce power consumption. Do not obstruct the ventilation and maintenance grilles. The refrigerator has an internal drain that should be connected to the regular sewers system whenever it's possible.
- Leave a free space around the refrigerator in order to improve its efficiency.

3.3- Connecting the refrigerator

- Before connecting the refrigerator, check whether the voltage indicated on the refrigerator corresponds to the voltage of your domestic wiring. It is essential that you should connect the refrigerator to an earthen power point. Make sure that the cable does not stay coiled. If the cable is not long enough, it should be replaced by a skilled person (see 7.4). Do not use an extension or adapter cable.

4- Control

4.1- Starting

- If the refrigerator has been transported vertically, it should be left to rest for at least an hour before being connected.
- Put the refrigerator in place in a spot where the surrounding temperature is between +16 °C and + 32°C and leave a space of 3 to 5 cm between the refrigerator and any other furniture or wall, allowing to create a natural air flow.
- Connect to a power point, turn the switch on, place the temperature selector (inside the refrigerator on the evaporator) in the medium position and leave the refrigerator working for 2 to 3 hours, so as to make sure that it is operating normally.

N.B.: Before being connected, the cabinet must be cleaned with a non-alkaline washing-up detergent (do not use corrosive products or soap). Then dry carefully. To carry out this operation is obligatory to switch off the equipment by removing the plug from the outlet.

4.2- Operation

Refrigerator operations are totally controlled by the thermostat and switch 0/1, for selecting the temperature inside the cabinet and control the work of lamp with white switch.

- Refrigerator operations are controlled by a thermostat for selecting the temperature inside the refrigerator.
- Plug the refrigerator to the current.
- Connect the switch 0/1.
- If the information in the display shows "OFF", press the **ON/OFF** switch for 3 seconds.
- Wait about 3 minutes before the compressor starts after connecting the cabinet.
- To disconnect, push off the main switch 0/1 or simply unplug the cabinet.
- Wait 10 minutes before reconnecting the cabinet.
- Load the cabinet in such a way that the products are carefully stocked.
- The digital thermostat allows adjusting the temperature from + 1°C to + 10°C.
- The thermostat is factory locked, only permits to adjust the desired temperature (set point).
- To program the desired temperature, press ON/OFF + ▲ or ▼ buttons.
- To lock the keyboard again proceed as stated above and select "YES" in the "LOC" function.
- The display will indicate the temperature of the cabinet.
- N.B.:** The differential has been regulated at 4°C in the plant.
- When loading the refrigerator in its totality it is possible that the alarm begins to ring after 2 hours if the refrigerator has not reached yet the programmed temperature. Push any button to turn off the buzzer and await 12 hours for stabilization of the temperature. In case the programmed temperature has not been reached in this space of time, contact our technical services.

4.3- Defrosting

- Defrosting is automatic, (only occur if it's necessary because is controlled by evaporator temperature and finish by temperature, isn't necessary the 30 minutes) and controlled by a digital thermostat. The cycle is pre-programmed in the plant to act every 6 hours during 20 minutes. The condensation water is automatically re-evaporated. Make sure that the draining outlet isn't blocked. (Models without group connecting the branch tube in drainage sewer.)

Operating messages

Message	Description
E0	Faulty ambient sensor
E1	Faulty defrosting sensor
LO	Low temperature alarm
HI	High temperature alarm
DF	Defrost
OFF	Standby

The manufacturer isn't responsible for damage caused by installation or connection errors
An installation error could cause serious harm to persons, animals or others for which the manufacturer accepts no liability.

5. Maintenance

Keep the equipment clean and avoid dust or other materials accumulating in the ventilation grilles.

The maintenance operations must be done by the manufacturer, its service agent or similarly qualified persons in order to avoid hazard.

6. Replacing the lighting

Led strip. The power of the illumination is 12 W/m. Power 12 V DC.

The replacing operations should be done by the manufacturer, its service agent or similarly qualified persons in order to avoid hazard.

7. Breakdowns

7.1 – The appliance is not working

- Check whether there has not been a power cut.
- Check whether the plug is energized.
- Check whether the plug is properly connected.
- Check the switch position.

7.2- The appliance is working but only becomes slightly cold

- Check the thermostat programming.
- Check the ice accumulation on the evaporator.
- Check whether the door is properly closed.

7.3- Water appears at the bottom of the refrigerator

- Check whether the emptying outlet is blocked or whether the emptying tube is not pointing towards the evaporation tank in the compressor department.
- Check the refrigerator level.

7.4 – The supplier cable is damaged

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

If, after making these checks, the anomaly remains, you should ask your retailer for assistance or contact our technical department directly.

In the latter case, you should indicate:

The nature of the failure, the number and type of the appliance and the purchase date (certificate of warranty).

The number and type of appliance is to be found on a plate situated inside the appliance, in the right-hand side part.

8. Dimensions:

MODEL	WIDTH (mm)		Depth (mm)	Height (mm)
	With motor	Without motor		
FGB 240 / 118	1255	1005	565	890 / 905
FGB 251 / 138	1455	1205	565	890 / 905
FGB 340 / 170	1755	1505	565	890 / 905
FGB 351 / 199	2065	1815	565	890 / 905
FGB 440 / 222	2295	2045	565	890 / 905
FGB 451 / 260	2675	2425	565	890 / 905

9. Opcional Accessories (On request)

MODULES OD DRAWERS 444: TFGB 33: 1/3-444 (CÓD. 110008_100)
TFGB 22: 1/2-444 (CÓD. 110009_100)
TFGB 11: 2/3-444 (CÓD. 110010_100)

NOTE: The modelss of drawers 444, are to apply only in the following models: FGB 240- 340- 440

MODULES OD DRAWERS 544: TFGB 3: 1/3-544 (CÓD. 110011_100)
TFGB 2: 1/2-544 (CÓD. 110012_100)
TFGB 1: 2/3-544 (CÓD. 110013_100)

NOTE: The models of drawers 544, are to apply only in the following models: FGB 251-351-451

TFGB 33 / 1/3-444
TFGB I 1/3 - 544



TFGB 22 / ½ - 444
TFGB I ½ - 544



TFGB 11 I 2/3 -444
TFGB I 2/3 -544



8. Product Data Sheet

FGB 251

Supplier or Comercial Brand	Diamond	
Adress		
Authorized representative		
Model	TAVT/2-R2// TAVX/2-R2	
Category of Equipment	Counter Chilled	
Intended use	Storage	
Operating temperature	Refrigeration	
Climatic Class (Temperature/ Humidity)	4 (30°C – 55%)	
Energy Efficiency class	C	
Energy efficiency index (IEE)	36.5 (35<=IEE<50)	
Anual energetic consumption	919	
Energetic consumption in 24 hours	2.52	
Net volum of the compatment (s)	283 L	
Refrigerant fluid of the equipment	Type of fluid	R290
	Designation	Inflammable
	GWP (Global Warming Potential)	4
	Fluid Charge	0,110 Kg
Specific precautions to optimize their energy efficiency	Regular preventive maintenaince ; Don't leave the door open for a long time Reduce the opening door Install the equipment on a dry enviroment and keep away from hot spots ; The sorage of foodstufs, shall be done keeping the air circulation inside the cabinet ; Don't obstruct the internal fan with foodstufs.	

FGB 351

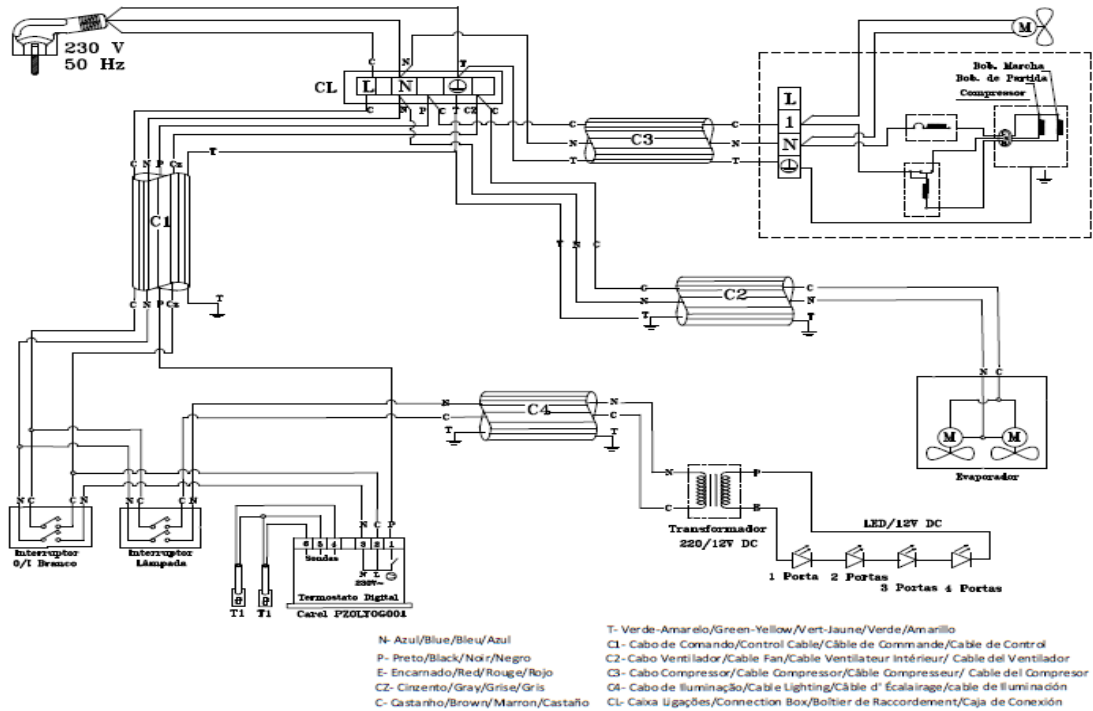
Supplier or Comercial Brand	Diamond	
Adress		
Authorized representative		
Model	TAVT/3-R2// TAVX/3-R2	
Category of Equipment	Counter Chilled	
Intended use	Storage	
Operating temperature	Refrigeration	
Climatic Class (Temperature/ Humidity)	4 (30°C – 55%)	
Energy Efficiency class	C	
Energy efficiency index (IEE)	36.3 (35<=IEE<50)	
Anual energetic consumption	983	
Energetic consumption in 24 hours	2.69	
Net volum of the compatment (s)	466 L	
Refrigerant fluid of the equipment	Type of fluid	R290
	Designation	Inflammable
	GWP (Global Warming Potential)	4
	Fluid Charge	0,110 Kg
Specific precautions to optimize their energy efficiency	Regular preventive maintenaince ; Don't leave the door open for a long time Reduce the opening door Installe the equipment on a dry enviroment and keep away from hot spots ; The sorage of foodstufs, shall be done keeping the air circulation inside the cabinet ; Don't obstruct the internal fan with foodstufs.	

FGB 451

Supplier or Comercial Brand	Diamond	
Adress		
Authorized representative		
Model	TAVT/4-R2// TAVX/4-R2	
Category of Equipment	Counter Chilled	
Intended use	Storage	
Operating temperature	Refrigeration	
Climatic Class (Temperature/ Humidity)	4 (30°C – 55%)	
Energy Efficiency class	C	
Energy efficiency index (IEE)	35.2 (35<=IEE<50)	
Anual energetic consumption	1189.6	
Energetic consumption in 24 hours	3.259	
Net volum of the compatment (s)	622 L	
Refrigerant fluid of the equipment	Type of fluid	R290
	Designation	Inflammable
	GWP (Global Warming Potential)	4
	Fluid Charge	0,110 Kg
Specific precautions to optimize their energy efficiency	Regular preventive maintenaince ; Don't leave the door open for a long time Reduce the opening door Installe the equipment on a dry enviroment and keep away from hot spots ; The sorage of foodstufs, shall be done keeping the air circulation inside the cabinet ; Don't obstruct the internal fan with foodstufs.	

Com grupo // With group // Avec groupe// Con grupo

PO/ PV



Sem grupo // Without group// Aucun groupe// Ningún grupo

PO/ PV

