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Use and Maintenance

Gebrauchsanweisung

Mode D'emploi

Uso a manutenzione

Guía del usuario

ИНСТРУКЦИЯ ПО ЭКСПЛУАТАЦИИ И УХОДУ

دليل المستخدم

Kullanım Kılavuzu

CE

ENGLISH

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INDUSTRIAL TYPE REFRIGERATORS

PRESENTATION AND USER'S GUIDE IN ENGLISH MODELS

- *.VN8-.VERTICAL TYPE REFRIGERATOR
- *.VL8-.VERTICAL TYPE FREEZER
- *.VN8-G-.VERTICAL TYPE GLASS DOOR REFRIGERATOR
- *.VL8-G-.VERTICAL TYPE GLASS DOOR FREEZER
- *.VN7-M-.VERTICAL TYPE REFRIGERATOR.....
- *.VL7-M-.VERTICAL TYPE FREEZER
- *.VN7-MG-.VERTICAL TYPE GLASS DOOR REFRIGERATOR
- *.VL7-MG-.VERTICAL TYPE GLASS DOOR FREEZER
- *.VN7-M-.VERTICAL TYPE REFRIGERATOR.
- *.VL7-M-.VERTICAL TYPE FREEZER
- *.VN7-MG-.VERTICAL TYPE GLASS DOOR REFRIGERATOR
- *.VL7-MG-.VERTICAL TYPE GLASS DOOR FREEZER..
- *.VN7-G-.VERTICAL TYPE GLASS DOOR REFRIGERATOR.....
- *.VL7-G-.VERTICAL TYPE GLASS DOOR FREEZER.....
- *.VN15-.DOUBLE DOOR VERTICAL TYPE REFRIGERATOR.....
- *.VL15-.DOUBLE DOOR VERTICAL TYPE FREEZER.....
- *.VN15-G-.DOUBLE DOOR VERTICAL TYPE REFRIGERATOR.....
- *.VL15-G-.DOUBLE DOOR VERTICAL TYPE FREEZER.
- *.VN14-M-G-.DOUBLE DOOR VERTICAL TYPE REFRIGERATOR
- *.VL14-M-G-.DOUBLE DOOR VERTICAL TYPE FREEZER
- *.VN14-G-.DOUBLE DOOR VERTICAL TYPE REFRIGERATOR.....
- *.VL14-G-.DOUBLE DOOR VERTICAL TYPE FREEZER..
- *.VN7-P-.VERTICAL TYPE 40*60. TRAY REFRIGERATOR.....
- *.VL7-P-.VERTICAL TYPE 40*60. TRAY REFRIGERATOR.....
- *.VN14-P-.VERTICAL TYPE 40*60. TRAY REFRIGERATOR.....
- *.VL14-P-.VERTICAL TYPE 40*60. TRAY REFRIGERATOR.....
- *.VN7-PG-.VERTICAL TYPE 40*60. TRAY REFRIGERATOR.....
- *.VL7-PG-.VERTICAL TYPE 40*60. TRAY REFRIGERATOR.....
- *.VN14-PG-.VERTICAL TYPE 40*60. TRAY REFRIGERATOR.....
- *.VL14-PG-.VERTICAL TYPE 40-60. TRAY REFRIGERATOR.....
- *.VN7-RO-.VERTICAL TYPE ROLL IN REFRIGERATOR...
- *.VL7-RO-.VERTICAL TYPE ROLL IN FREEZER.....
- *.VN7-RO/2-.VERTICAL TYPE ROLL IN REFRIGERATOR
- *.VL7-RO/2-.VERTICAL TYPE ROLL IN FREEZER.....
- *.VN7-ST-.VERTICAL TYPE REFRIGERATOR STATIC.....
- *.VN14-ST-.TWO DOORS VERTICAL TYPE REFRIGERATOR STATIC
- *.CGN2-ST-.TWO DOORS COUNTER REFRIGERATOR STATIC..
- *.CGN3-ST-.THREE DOORS COUNTER REFRIGERATOR STATIC..
- *.CGN4-ST-.FOUR DOORS COUNTER REFRIGERATOR STATIC..
- *.VN7-ST-P-.VERTICAL TYPE REFRIGERATOR STATIC...
- *.VN14-ST-P-.TWO DOORS VERTICAL TYPE REFRIGERATOR STATIC
- *.VN13-G-.TWO DOORS VERTICAL TYPE REFRIGERATOR.....
- *.VL13-G-.TWO DOORS VERTICAL TYPE FREEZER.....
- *.GN13-G-.TWO DOORS VERTICAL TYPE REFRIGERATOR.....
- *.GL13-G-.TWO DOORS VERTICAL TYPE FREEZER.....
- *.SN13-G-.TWO DOORS VERTICAL TYPE REFRIGERATOR.....
- *.SL13-G-.TWO DOORS VERTICAL TYPE FREEZER.....
- *.VN6-G-.VERTICAL TYPE GLASS DOOR REFRIGERATOR.....
- *.VL6-G-.VERTICAL TYPE GLASS DOOR FREEZER.....
- *.GN6-G-.VERTICAL TYPE GLASS DOOR REFRIGERATOR.....
- *.GL6-G-.VERTICAL TYPE GLASS DOOR FREEZER.....
- *.SN6-G-.VERTICAL TYPE GLASS DOOR REFRIGERATOR.....
- *.SL6-G-.VERTICAL TYPE GLASS DOOR FREEZER.....
- *.VNN7-.VERTICAL TYPE COMBINATION REFRIGERATOR.....
- *.VNL7-.VERTICAL TYPE COMBINATION REFRIGERATOR.....
- *.VNN14-.VERTICAL TYPE COMBINATION REFRIGERATOR.....
- *.VN21-.THREE DOORS VERTICAL TYPE REFRIGERATOR
- *.VN21/A-.THREE DOORS VERTICAL TYPE REFRIGERATOR
- *.VN21/B-.THREE DOORS VERTICAL TYPE REFRIGERATOR
- *.VN21/C-.THREE DOORS VERTICAL TYPE REFRIGERATOR
- *.BN5-.VERTICAL TYPE REFRIGERATOR SNACK SERIES
- *.BL5-.VERTICAL TYPE FREEZER SNACK SERIES
- *.BN4-.VERTICAL TYPE REFRIGERATOR
- *.BL4-.VERTICAL TYPE FREEZER
- *.BF4-.FISH REFRIGERATOR
- *.VS4-.OPEN PRODUCT DISPLAY REFRIGERATOR
- *.VS4-M-.OPEN PRODUCT DISPLAY REFRIGERATOR
- *.VN1-.WINE REFRIGERATOR
- *.VN4-.WINE REFRIGERATOR
- *.WA1-.WINE REFRIGERATOR
- *.WA4-.WINE REFRIGERATOR
- *.CLL2-.COUNTER TYPE FREEZER HEAVY DUTY
- *.CLL3-.COUNTER TYPE FREEZER HEAVY DUTY
- *.CSN2-.COUNTER TYPE REFRIGERATOR
- *.CGN2-.COUNTER TYPE REFRIGERATOR
- *.CGL2-.COUNTER TYPE FREEZER
- *.CSL2-.COUNTER TYPE FREEZER
- *.CSN3-.COUNTER TYPE REFRIGERATOR
- *.CGN3-.COUNTER TYPE REFRIGERATOR
- *.CSL3-.COUNTER TYPE FREEZER
- *.CGL3-.COUNTER TYPE FREEZER
- *.CSN4-.COUNTER TYPE REFRIGERATOR
- *.CGN4-.COUNTER TYPE REFRIGERATOR
- *.CSL4-.COUNTER TYPE FREEZER
- *.CGL4-.COUNTER TYPE FREEZER
- *.CSN4-G-.COUNTER TYPE REFRIGERATOR
- *.CGN4-G-.COUNTER TYPE REFRIGERATOR
- *.CSL4-G-.COUNTER TYPE FREEZER
- *.CGL4-G-.COUNTER TYPE FREEZER
- *.CGN2-G-.COUNTER TYPE REFRIGERATOR
- *.CGN3-G-.COUNTER TYPE REFRIGERATOR
- *.CGN4-G-.COUNTER TYPE REFRIGERATOR
- *.KCN2-.COUNTER REFRIGERATOR SERVICE SERIES
- *.KCN3-.COUNTER REFRIGERATOR SERVICE SERIES
- *.KCN4-.COUNTER REFRIGERATOR SERVICE SERIES
- *.CSN2-E-.COUNTER TYPE REFRIGERATOR W/ SINK
- *.CGN2-E-.COUNTER TYPE REFRIGERATOR W/ SINK
- *.CSN3-E-.COUNTER TYPE REFRIGERATOR W/ SINK
- *.CGN3-E-.COUNTER TYPE REFRIGERATOR W/ SINK
- *.CSN4-E-.COUNTER TYPE REFRIGERATOR W/ SINK
- *.CGN4-E-.COUNTER TYPE REFRIGERATOR W/ SINK
- *.CGN2-MT-.COUNTER REFRIGERATOR BAR SERIES
- *.CSN2-MT-.COUNTER REFRIGERATOR BAR SERIES
- *.CGN3-MT-.COUNTER REFRIGERATOR BAR SERIES
- *.CSN3-MT-.COUNTER REFRIGERATOR BAR SERIES
- *.CGN4-MT-.COUNTER REFRIGERATOR BAR SERIES
- *.CSN4-MT-.COUNTER REFRIGERATOR BAR SERIES
- *.CGN2-2G-.COUNTER REFRIGERATOR ISLAND SERIES
- *.CGN3-2G-.COUNTER REFRIGERATOR ISLAND SERIES
- *.CGN4-2G-.COUNTER REFRIGERATOR ISLAND SERIES
- *.BGN2-2G-.COUNTER REFRIGERATOR ISLAND SERIES
- *.BGN3-2G-.COUNTER REFRIGERATOR ISLAND SERIES

- * VNL14--VERTICAL TYPE COMBINATION REFRIGERATOR_____
- * VNL14-3T--VERTICAL TYPE COMBINATION REFRIGERATOR_____
- * VNL14-4T--VERTICAL TYPE COMBINATION REFRIGERATOR_____
- *_____
- * USL2--UNDER COUNTER FREEZER.....
- * UGL2--UNDER COUNTER FREEZER.....
- * USN3--UNDER COUNTER REFRIGERATOR.....
- * UGN3--UNDER COUNTER REFRIGERATOR.....
- * USL3--UNDER COUNTER FREEZER.....
- * UGL3--UNDER COUNTER FREEZER.....
- * USN4--UNDER COUNTER REFRIGERATOR.....
- * UGN4--UNDER COUNTER REFRIGERATOR.....
- * USL4--UNDER COUNTER FREEZER.....
- * UGL4--UNDER COUNTER FREEZER.....
- * MGN2--MAKE UP REFRIGERATOR.....
- * MGN3--MAKE UP REFRIGERATOR.....
- * MGN4--MAKE UP REFRIGERATOR.....
- * MPN2--MAKE UP REFRIGERATOR.....
- * MPN3--MAKE UP REFRIGERATOR.....
- * MPN4--MAKE UP REFRIGERATOR.....
- * MGN2-4G--MAKE UP REFRIGERATOR.....
- * MGN3-7G--MAKE UP REFRIGERATOR.....
- * MGN4-9G--MAKE UP REFRIGERATOR.....
- * MPN2-4G--MAKE UP REFRIGERATOR.....
- * MPN3-7G--MAKE UP REFRIGERATOR.....
- * MPN4-9G--MAKE UP REFRIGERATOR.....
- * CGN2-YM--HIGH MAKE UP REFRIGERATOR.....
- * CGN3-YM--HIGH MAKE UP REFRIGERATOR.....
- * CGN4-YM--HIGH MAKE UP REFRIGERATOR.....
- * CGN2-SG--COUNTER REFRIGERATOR SERVICE SERIES.....
- * CGN3-SG--COUNTER REFRIGERATOR SERVICE SERIES.....
- * CGN4-SG--COUNTER REFRIGERATOR SERVICE SERIES.....
- * BGN2-SG--COUNTER REFRIGERATOR SERVICE SERIES.....
- * BGN3-SG--COUNTER REFRIGERATOR SERVICE SERIES.....
- * BGN4-SG--COUNTER REFRIGERATOR SERVICE SERIES.....
- * CGN2-SGC--COUNTER REFRIGERATOR SERVICE SERIES.....
- * CGN3-SGC--COUNTER REFRIGERATOR SERVICE SERIES.....
- * CGN4-SGC--COUNTER REFRIGERATOR SERVICE SERIES.....
- * BGN2-SGC--COUNTER REFRIGERATOR SERVICE SERIES.....
- * BGN3-SGC--COUNTER REFRIGERATOR SERVICE SERIES.....
- * BGN4-SGC--COUNTER REFRIGERATOR SERVICE SERIES.....
- * CGN2-3SGC--COUNTER REFRIGERATOR SERVICE SERIES.....
- * CGN3-4SGC--COUNTER REFRIGERATOR SERVICE SERIES.....
- * CGN4-5SGC--COUNTER REFRIGERATOR SERVICE SERIES.....
- * BGN2-3SGC--COUNTER REFRIGERATOR SERVICE SERIES.....
- * BGN3-4SGC--COUNTER REFRIGERATOR SERVICE SERIES.....
- * BGN4-5SGC--COUNTER REFRIGERATOR SERVICE SERIES.....
- * CGN2-OG--COUNTER REFRIGERATOR SERVICE SERIES.....
- * CGN3-OG--COUNTER REFRIGERATOR SERVICE SERIES.....
- * CGN4-OG--COUNTER REFRIGERATOR SERVICE SERIES.....
- * BGN2-OG--COUNTER REFRIGERATOR SERVICE SERIES.....
- * BGN3-OG--COUNTER REFRIGERATOR SERVICE SERIES.....
- * BGN4-OG--COUNTER REFRIGERATOR SERVICE SERIES.....
- * CGN2-3G--COUNTER REFRIGERATOR SERVICE SERIES.....
- * CGN3-4G--COUNTER REFRIGERATOR SERVICE SERIES.....
- * CGN4-5G--COUNTER REFRIGERATOR SERVICE SERIES.....
- * BGN2-3G--COUNTER REFRIGERATOR SERVICE SERIES.....
- * BGN3-4G--COUNTER REFRIGERATOR SERVICE SERIES.....
- * BGN4-5G--COUNTER REFRIGERATOR SERVICE SERIES.....
- * CGN2-S--COUNTER SERVICE REFRIGERATOR / UNITS.....
- * CGN3-S--COUNTER SERVICE REFRIGERATOR / UNITS.....
- * CGN4-S--COUNTER SERVICE REFRIGERATOR / UNITS.....
- * CGN2-TG--COUNTER SERVICE REFRIGERATOR / UNITS.....
- * CGN3-TG--COUNTER SERVICE REFRIGERATOR / UNITS.....
- * BGN4-2G--COUNTER REFRIGERATOR ISLAND SERIES.....
- * USN2--UNDER COUNTER REFRIGERATOR.....
- * UGN2--UNDER COUNTER REFRIGERATOR.....
- * DSP100--DISPLAY REFRIGERATOR.....
- * DSP140--DISPLAY REFRIGERATOR.....
- * DSP155--DISPLAY REFRIGERATOR.....
- * DSP160--DISPLAY REFRIGERATOR.....
- * DSP180--DISPLAY REFRIGERATOR.....
- * DSP210--DISPLAY REFRIGERATOR.....
- * DSP215--DISPLAY REFRIGERATOR.....
- * PMN155--PIZZA REFRIGERATOR.....
- * BMN155--PIZZA REFRIGERATOR.....
- * PMN210--PIZZA REFRIGERATOR.....
- * BMN210--PIZZA REFRIGERATOR.....
- * PPN2-G--PIZZA REFRIGERATOR.....
- * PPN3-G--PIZZA REFRIGERATOR.....
- * PPL2-G--PIZZA REFRIGERATOR.....
- * PPL3-G--PIZZA REFRIGERATOR.....
- * PPN2--PIZZA REFRIGERATOR.....
- * PPN3--PIZZA REFRIGERATOR.....
- * PPL2--PIZZA REFRIGERATOR.....
- * PPL3--PIZZA REFRIGERATOR.....
- * CSN2-R--COUNTER TYPE REFRIGERATOR-REMOTE.....
- * CGN2-R--COUNTER TYPE REFRIGERATOR-REMOTE.....
- * CSN3-R--COUNTER TYPE REFRIGERATOR-REMOTE.....
- * CGN3-R--COUNTER TYPE REFRIGERATOR-REMOTE.....
- * CSN4-R--COUNTER TYPE REFRIGERATOR-REMOTE.....
- * CGN4-R--COUNTER TYPE REFRIGERATOR-REMOTE.....
- * BB150--BAR REFRIGERATOR.....
- * BB150-SS--BAR REFRIGERATOR.....
- * BB250--BAR REFRIGERATOR.....
- * BB250-SS--BAR REFRIGERATOR.....
- * BB250-SL--BAR REFRIGERATOR.....
- * BB350--BAR REFRIGERATOR.....
- * BB350-SS--BAR REFRIGERATOR.....
- * BB350-SL--BAR REFRIGERATOR.....
- * SS150--BAR REFRIGERATOR.....
- * SS250--BAR REFRIGERATOR.....
- * SS350--BAR REFRIGERATOR.....
- * SS400--UPRIGHT BAR REFRIGERATOR.....
- * SB400--UPRIGHT BAR REFRIGERATOR.....
- * SB1--COLD BANQUET TROLLEYS.....
- * BSN1--SLIM REFRIGERATOR.....
- * BSL1--SLIM FREEZER.....
- * BN7-M--VERTICAL TYPE REFRIGERATOR.....
- * BL7-M--VERTICAL TYPE FREEZER.....
- * BL7-MG--VERTICAL TYPE GLASS DOOR REFRIGERATOR.....
- * BN7--VERTICAL TYPE REFRIGERATOR.....
- * BL7--VERTICAL TYPE REFRIGERATOR.....
- * BN7-G--GLASS DOOR VERTICAL TYPE REFRIGERATOR.....
- * BL7-G--GLASS DOOR VERTICAL TYPE FREEZER.....
- * BN14-M--TWO DOORS VERTICAL TYPE REFRIGERATOR.....
- * BL14-M--TWO DOORS VERTICAL TYPE FREEZER.....
- * BN14-MG--TWO DOORS VERTICAL TYPE REFRIGERATOR.....
- * BL14-MG--TWO DOORS VERTICAL TYPE FREEZER.....
- * BN14--TWO DOORS VERTICAL TYPE REFRIGERATOR.....
- * BL14--TWO DOORS VERTICAL TYPE FREEZER.....
- * BN14-G--TWO DOORS VERTICAL TYPE REFRIGERATOR.....
- * BL14-G--TWO DOORS VERTICAL TYPE FREEZER.....
- * BSN2--COUNTER TYPE REFRIGERATOR.....
- * BGN2--COUNTER TYPE REFRIGERATOR.....
- * BSL2--COUNTER TYPE FREEZER.....
- * BGL2--COUNTER TYPE FREEZER.....
- * BSN3--COUNTER TYPE REFRIGERATOR.....

*.CGN4-TG--COUNTERSERVICE REFRIGERATOR/.UNITS..... *.PZT155--PIZZA REFRIGERATOR..... *.PZT155-D--PIZZA REFRIGERATOR..... *.PZT210--PIZZA REFRIGERATOR..... *.PZT210-D--PIZZA REFRIGERATOR..... *.PZT160-3D--PIZZA REFRIGERATOR..... *.PZT215-3D--PIZZA REFRIGERATOR..... *.BGL4--COUNTERTYPE FREEZER *.VN9-V--ONE DOOR VERTICAL REFRIGERATOR *.VL9-V--ONE DOOR VERTICAL FREEZER *.BN9-V--ONE DOOR VERTICAL REFRIGERATOR *.BL9-V--ONE DOOR VERTICAL FREEZER *.VN9-VG--GLASS DOOR VERTICAL REFRIGERATOR *.VL9-VG--GLASS DOOR VERTICAL FREEZER *.BN9-VG--GLASS DOOR VERTICAL REFRIGERATOR *.BL9-VG--GLASS DOOR VERTICAL FREEZER *.VN10-V--ONE DOOR VERTICAL REFRIGERATOR *.VL10-V--VERTICAL REFRIGERATOR-ICE CREAM STORAGE *.BN10-V--ONE DOOR VERTICAL REFRIGERATOR *.BL10-V--VERTICAL REFRIGERATOR-ICE CREAM STORAGE *.VN9-VG--GLASS DOOR VERTICAL REFRIGERATOR *.VL9-VG--GLASS DOOR VERTICAL FREEZER *.BN9-VG--GLASS DOOR VERTICAL REFRIGERATOR *.BL9-VG--GLASS DOOR VERTICAL FREEZER *.VN18-V--TWO DOORS VERTICAL REFRIGERATOR *.VL18-V--TWO DOORS VERTICAL FREEZER *.BN18-V--TWO DOORS VERTICAL REFRIGERATOR *.BL18-V--TWO DOORS VERTICAL FREEZER *.VN18-VG--TWO DOORS VERTICAL REFRIGERATOR-GLASS DOORS *.VL18-VG--TWO DOORS VERTICAL FREEZER-GLASS DOORS *.BN18-VG--TWO DOORS VERTICAL REFRIGERATOR-GLASS DOORS *.BL18-VG--TWO DOORS VERTICAL FREEZER-GLASS DOORS *.VN20-V--TWO DOORS VERTICAL REFRIGERATOR *.VL20-V--TWO DOORS VERTICAL REFRIGERATOR-ICE CREAM STORAGE *.BN20-V--TWO DOORS VERTICAL REFRIGERATOR *.BL20-V--TWO DOORS VERTICAL REFRIGERATOR-ICE CREAM STORAGE *.VNN18-V--TWO DOORS COMBINATION REFRIGERATOR *.VNL18-V--TWO DOORS COMBINATION REFRIGERATOR *.VLL18-V--TWO DOORS COMBINATION REFRIGERATOR *.DR13-G--TWO DOORS DRY AGED REFRIGERATOR *.DR6-G--ONE DOOR DRY AGED REFRIGERATOR *.CGN2-VP--TWO DOORS COUNTERTYPE REFRIGERATOR-POLYTHENE TOP *.CGN3-VP--THREE DOORS COUNTERTYPE REFRIGERATOR-POLYTHENE TOP *.CGN4-VP--FOUR DOORS COUNTERTYPE REFRIGERATOR-POLYTHENE TOP *.CGN2-VM--TWO DOORS COUNTERTYPE REFRIGERATOR-MARBLE TOP *.CGN3-VM--THREE DOORS COUNTERTYPE REFRIGERATOR-MARBLE TOP *.CGN4-VM--FOUR DOORS COUNTERTYPE REFRIGERATOR-MARBLE TOP *.SB300--BAR REFRIGERATOR *.SS300--BAR REFRIGERATOR	*.BGN3--COUNTERTYPE REFRIGERATOR *.BSL3--COUNTERTYPE FREEZER *.BGL3--COUNTERTYPE FREEZER *.BSN4--COUNTERTYPE REFRIGERATOR *.BGN4--COUNTERTYPE REFRIGERATOR *.BSL4--COUNTERTYPE FREEZER
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1. GENERAL INFORMATION

1.1. MANUFACTURER

As the company boasts considerable experience in the field of industrial refrigeration. The technological know-how acquired, created during years of research and close contact with the production and marketing at an international level, represent the best guarantee that the manufacturer can offer.

This equipment has been studied inside, externally and in its components, according to the requirements specified by your market. Furthermore every aspect has been checked for functioning and for appearance before being despatched, as shown documentation.

To guarantee the long life of this product, use it according to the suggestions made in this manual.

1.2 SERVICE CENTRES

(Sales, Service, Spare parts and Commercial Representation)



For any requirement pertaining to use, maintenance or the request for spare parts, the Customer should use an authorised Service Centre (directly care of the manufacturer), specifying the identification details of the equipment shown on the plaques.

1.3 CERTIFICATION

The Condensed air Refrigerator Cupboards and Tables and Refrigerator Units are produced in accordance with the European Community Regulations applicable at this time of its appearance on the market.

Because the refrigerator cupboard and the table do not come into the ENCLOSED IV of the REGULATION 98/37/CEE, the manufacturer provides self-certification with the CE marking.

1.4 GUARANTEE

The new equipment is covered by a guarantee.

The GUARANTEE CERTIFICATE is included with this booklet inside every product. If this booklet is not present you can ask your supplier for it, specifying:

- The serial number (stamped on the relevant plaque, see paragraph 4.6)
- The date of purchase

1.5 PREARRANGEMENTS OF CUSTOMER'S RESPONSIBILITY

It is the Customer's responsibility to carry out everything specified in the documentation. Unless different prior arrangements have been made, the following are usually the Customer's responsibility.

- Predisposition of the area, including any building work and/or canalisation required
- Electric power supply in accordance with the power regulations in the country of use
- Cleaning materials

1.6 STRUCTURE OF THE MANUAL

The Customer must read the information contained in this Manual very carefully, because the correct predisposition, installation and use are the basis of the Customer-Manufacturer agreement.

1.6.1 AIMS AND CONTENTS

This Manual aims to provide the customer with all the information necessary for not only adequate use of the equipment, but also for the safest and most autonomous use possible. It contains information regarding Technical Aspects, Operation, Stopping, Maintenance, Spare Parts and Safety.

Before carrying out any operation on the equipment, the User and the Qualified Technicians must carefully read the instructions, call the Retailer for clarification.

1.6.2 WHO THE MANUAL IS FOR?

The manual is aimed at the both Retailers and users and also to maintenance workers qualified to carry out work on the equipment.

The user must not carry out work reserved for qualified maintenance workers and/or technicians. The Manufacturer is not responsible for any damage caused by lack of respect for this last regulation.

1.6.3 SAFEKEEPING

The Manual for Use and Maintenance must be kept in the immediate vicinity of the equipment, in an appropriate holder and, above all, protected from liquids and other substances that could make it illegible.

1.6.4 SYMBOLS USED

SYMBOL	MEANING	COMMENT
	WARNING	Indicates a warning or a note on a key function or useful information. Pay great attention to text indicated by this
	CONSULTATION	It is necessary to consult the Instruction Booklet before carrying out the operation

2. DESCRIPTION AND OPERATION OF THE APPLIANCE

2.1 DESCRIPTION

The upright refrigerators are condensed air refrigerator units made up of:

- A condensing unit (outside cold storage room)
- A evaporating unit (inside cold storage room)
- A control panel (positioned on the condensing unit)
- Defrosting is of the electric type and it is automatic
- Condensation is air based

2.2 OPERATION

The upright refrigerators are refrigerator units which function by means of refrigerator compressor of the airtight type. With air tight motion and alternative motion, powered by electricity (mono phase or three phase) and using as a refrigerant the fluid R404A/R134A.

Principle of refrigerator operation cycle

In thermodynamics for the refrigerator cycle we intend the change of state which a certain body undergoes (for example a refrigerating fluid). The passage of the refrigerating fluid from the liquid state to the gaseous state takes place in the evaporator. Because this is an endothermic phenomenon, it needs heat which, when it happens, is taken from the air which the evaporator comes into contact with. So, when coming out of the evaporator, the vapours of the refrigerating fluid are sucked out by an air compressor and sent to the condenser. If the latter takes away not only the heat that the gaseous refrigerating fluid has acquired during the course of the evaporation (ENTALPIA DI EVAPORATION), but also the calorific equivalent of the compression work, then the fluid returns to the liquid state. Because liquefaction is an exothermic phenomenon, there is production of heat, which is disposed of through air and through water. The refrigerant fluid, leaving the condenser, passes through an expansion organ and returns to the evaporator, thus completing the cycle.

3. PREARRANGEMENTS

3.1 ILLUMINATION

The illumination of the area must conform with the POWER regulations of the country in which the equipment is installed and must, in any case, guarantee good visibility at all points, it must not create dangerous reflections and must allow for easy reading of the controls.

3.2 VIBRATIONS

In conditions of use which comply with the indications for correct use, the vibrations are not enough to create dangerous situations.

3.3 EMISSION OF SOUND

The refrigerator unit is designed to reduce the level of noise at source (see attached 13.2.2)

3.3.1 SUPPLIES ON REQUEST

It is to be understood that any modification and/or addition of accessories must be explicitly approved of and carried out by the Manufacturer.

SYMBOL	MEANING	COMMENT
	WARNING	Any alteration or modification of the fridge made by the operator and/or service operator is forbidden for security reasons. The manufacturer declines any responsibility for unauthorized modifications

3.4 ELECTROMAGNETIC ENVIRONMENT

The refrigerator is designed to function correctly in an industrial electromagnetic environment, coming within the Emissions and Immunities foreseen by the following regulations:

EN50081-2 Electromagnetic compatibility- General regulation for emission Part 2 Industrial environments (1993)

EN50082-2 Electromagnetic compatibility- General regulation for Immunity Part 2 Industrial environments (1995)

4. SAFETY

4.1 GENERAL WARNING

 The user must read very carefully the information given in this Manual, with particular attention to the appropriate precautions for Safety listed in this chapter.

It is imperative that the User follows the list below:

- Keep the refrigerator clean and tidy;
- Do not remove or alter the plaques placed by the Manufacturer (see 4.6);
- Do not remove or bypass the safety systems;
- Do not touch the equipment with damp or wet hands or feet;
- Do not touch the equipment with bare feet;
- Do not insert screwdrivers or anything else between the protective cover and the moving parts;
- Do not pull the power cable to disconnect the appliance from the power supply;
- Before carrying out any cleaning or maintenance operation, disconnect the appliance from the electric power supply, first switching off the main switch and then removing the plug.

4.2 FORESEEN USE

The upright and/or table refrigerator has been conceived and built to be used in communities, restaurants, hotels, etc.

4.3 UNSUITABLE CONDITIONS FOR USE

 The upright and/or table refrigerator must not be used:

- For purposes which differ from those shown in 4.2;
- In an explosive, aggressive atmosphere or where there is a high concentration of oily substances or powders suspended in the air;
- In the atmosphere with a fire risk;
- Exposed to bad weather;
- With adapters, multiple sockets or extension leads.

4.4 DANGER ZONE

 There are no danger zones during use because the upright and/or table refrigerator has all the necessary safety devices. If repairs or maintenance have to be carried out requiring the removal of the safety devices, it

is necessary first to make sure that all power sources have been switched off.

For this reason, in the upright and/or table refrigerator it is necessary to deactivate: The electric plant, putting the main switch off and pulling out the plug.

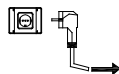
At the end of any work, it is absolutely imperative that all safety devices are re-activated.

4.5 SWITCHING OFF THE APPLIANCE

For switching off the fridge or table, is necessary to proceed as follow:

- Turn the main switch on off position
- Remove power cable

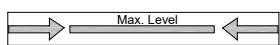
WARNING: If the power cable is damaged, only manufacturer, service or a trained person can change the cable.



4.6 PLAQUES

		CE	
Model	UGN2		
Product Code	UGN20B04N		
Volt./Ten. (V/Hz)	220	50	
Storage Volume	135 Lt.		
Current (A)	2.10 A		
Power (Watt)	290 W		
Ref./Weight (gr)	R134A	210	
Product M/Y	09	2008	
Serial Number	009		
			
8090050282			

WARNING : IF DAMAGED POWER CABLE , POWER CABLE CAN CHANGE ONLY AUTHORIZED SERVICE OR TRAINED PERSON .

PLAQUE REGARDING THE ELECTRICAL APPARATUS	PLAQUE A
	Remove the tension before removing the protection.
PLAQUE REGARDING THE ELECTRICAL APPARATUS	PLAQUE B
	Earth connection.
PLAQUE REGARDING THE ELECTRICAL APPARATUS	PLAQUE C
	Warning! The Manufacturer and the retailer decline all responsibility if the power line is not protected by high sensitivity magnetothermic switch (IN-16-A ID-30 mA)
PLAQUE INSIDE REFRIGERATOR	PLAQUE D
	Max. High Load

5. TRANSPORT AND MOVEMENT

READ CAREFULLY THE WARNINGS CONTAINED IN THIS MANUAL AS THEY SUPPLY IMPORTANT INFORMATION REGARDING THE SAFETY OF INSTALLATION, USE AND MAINTENANCE. KEEP THIS MANUAL SAFE FOR FURTHER CONSULTATION.

5.1 TRANSPORT AND MOVEMENT

The transport and movement of the upright and/or table refrigerators must take place in the upright position, respecting any indications shown on the packaging.

Transport must be carried out by qualified staff.

The upright and/or table refrigerators must be transported in such a way as to avoid any damage.

The appliance is prepared for transport with or without packaging depending on the means of transport and the route. If packaging, it is cardboard or wood, adequately protected.

Movement must be carried out using a lift truck or trans-pallets with suitable forks (length at least 2/3 of the dimensions of the object).

SYMBOL	MEANING	COMMENT
	WARNING	Damage to the appliance caused during transport and movement is not covered by the GUARANTEE. Repairs or substitution of damaged parts is at the Customer's expense.

5.2 STORAGE

In the case of long periods of inactivity, the upright and/or table refrigerators must be stored with attention to relevant storage place and time:

- Store the upright and/or table refrigerator in an enclosed area;
- Protect upright and/or table refrigerator from bumps or stress;
- Protect upright and/or table refrigerator from high thermal variation;
- Avoid upright and/or table refrigerator coming into contact with corrosive substances.

5.3 CHECKS

Before putting upright and/or table refrigerator into operation, it is necessary to carry out a series of checks to prevent errors or accidents during the activating phase:

- Check that there has not been any damage to the upright and/or table refrigerator during assembly.
- Check with care the integrity of the control panel, the electric cable and the tubes.
- Check the precise connection to external energy supply.
- Check the free movement and rotation of any moving parts.

6. INSTALLATION



For an optimum functioning of the unit it is advisable to place the refrigerator in a zone with a good exchange of air and far away from any sources of heat.

6.1 SETUP

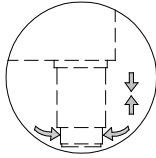


Figure 1

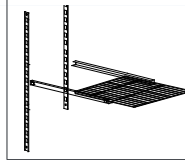


Figure 2

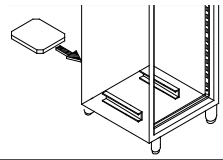


Figure 3

- Carefully remove the packaging from the refrigerator;
- Remove the white PVC protection film from the stainless steel and all the protection used by the company to reduce the risk of damage during transport;
- Place the refrigerator on a level surface (use the adjustable feet) (Fig. 1)

Before use, clean the refrigerator with a clean, soft cloth or using a spray product. It is best to use little water as it contains minerals which leave traces which are difficult to remove quickly;

- Wash the tray and all the internal parts using anti-bacterial detergents to be found commercially;
- Remove the detergent with a soft sponge soaked in water and dry with a clean, soft cloth;

Do not use abrasive detergents or powders which could make the finish opaque. During these phases do not, as already stated, use great quantities of water which could damage electric parts; a damp sponge is sufficient.

- Place the self-support inside the refrigerator, in the most suitable position for use, inserting each support in to the holes on the base of the refrigerator and inserting the side tab in the appropriate place on the sides or on the table supports. (Fig. 2)
- Slide the shelf into the supports as shown in (Fig. 2)
- Slide into the appropriate runners on the lower part of the refrigerator, the condensation waste tray and for appliances which have automatic trays, connect the connector. (Fig. 3)

6.2 PREARRANGEMENTS

- Check that the cables and the sockets are suitable for the power absorbed by the equipment.

THE USE OF ADAPTORS, MULTIPLE SOCKETS AND/OR EXTENSION LEADS IS FORBIDDEN.

- Ensure that the upright and/or table refrigerator is not installed near to sources of heat like: ovens, radiators, direct sunlight etc.
- Leave a space of at least 75 mm (3 inches) between the back of the upright and/or table refrigerator and any wall, to avoid the formation of condensation.
- The motor must be free of any obstacle which could hinder or limit the circulation through the condensing unit situated on the top side part of the refrigerator.
- The distance between the refrigerator and the ceiling must be less than 50 cm (19 3/4 inches).
- Check that the environment has a sufficient change of air, in order to guarantee the cooling of the condenser and the compressor unit.
- For a perfect functioning of the equipment, the maximum temperature of the environment should not exceed +43°C (109°F), except for static models which should not exceed +32°C (+95°F).

Lack of respect for these conditions will provoke a serious decline in the functioning of the equipment, early ageing of the compressor and a much higher consumption of energy than normal.

6.3 CONNECTION

To avoid any kind of problem when upright and/or tables are switched on, it is good to attend to the instruction as follows.

6.3.1 ELECTRICAL

The electrical connection of the upright and/or table refrigerator is the Customer's responsibility. The connection to the power supply must respect the power supply laws in the country in which the equipment is installed (see plaque A)

- Check that the tension of the power supply is exactly that shown on the plaque (see plaque A)
- Check that the socket conforms to power regulations
- Pay particular attention that there are no uncovered wires
- Check the earth



THE EARTH CONNECTION IS A LEGAL SAFETY REQUIREMENT.

If more than one piece of equipment is placed in line, each one must have an independent power supply.

6.3.2 HYDRAULICS

If the model does not include a condenser unit, it is necessary to connect it to a drainage system for the discharge of water from defrosting using a suitable tube of appropriate dimensions.

Locks: all the upright refrigerators are predisposed for the installation of locks, even those models which do not include them.

7. DURING USE OF HUMAN AND ENVIRONMENTAL

7.1 DISPOSAL INFORMATION

- The packaging is made of recyclable materials.
- Corrugated cardboard/paperboard
- Foamed form boxes made of Polystrol
- Belts made of Polyethylene tapes
- Belts made of Polypropylene tapes
- Packaging materials are not children's toys. There is a risk of suffocation due to the foil
- Take the packaging to an official collection center

7.2 EQUIPMENT THAT COMPLETED OF LIFE

- Presently contains valuable materials and should be taken to different facilities of separated waste in residential areas
- Make of unusable equipment that completed of life: Unplug, disconnect the cable
- Careful not to damage the refrigerant circuit until delivered to the designated collection center
- Information contained in the coolant can be found on the type plate
- You can take information from your municipality about collection places

8. USE OF INFORMATION ON ERROR

8.1 SAFETY AND WARNING INFORMATION

- Avoid damage to the touch human and belongings, we recommend that device installed by two people removed from the packaging.
- In the event of any malfunction in the device, immediately (before connecting the device) consult the dealer
- To work in a safe manner, mount and connect appliance according with the instructions contained in the user guide
- Disconnect the power supply in case of failure of the device, Unplug or turn off the breaker or remove
- Disconnect the device from the mains to not on the cable, grasp the power plug
- Any repairs and work on the device should be done by the customer service, otherwise there can be major hazards for the user. The same is true for changing power cord.
- Do not operate something with an open fire and ignition sources inside the device. Keep away from sources of ignition in case of damage and the room well ventilated.
- Do not use the base to withstand, drawers or doors
- Do not eat ice cream, frozen water or ice cubes and very cold from the fridge as you uninstall. Has a "burn hazard" due to the low temperature.
- Do not use the food stored for too long, it may cause food poisoning
- Do not keep in the device, explosive substances or propane, butane, pentane containing flammable materials such as spray cans.
- Do not use electrical appliances inside the appliance
- In a lockable models, do not put key near device and reach of children

This manual is valid for multiple models, may deviate from the values given here.

IMPORTANT NOTICE!

Before commissioning the appliance defrost water drain plug provided with the appliance and close the hole in the bottom of the device! Important for regular work.

9. CONSUMERS MAY MAKE YOUR OWN MAINTENANCE OR REPAIR

9.1 CLEANING

Before cleaning disable the device. Unplug or turn off the breaker located in the installation.

Internal partitions, hardware parts and outer walls clean with warm water and a little detergent. Never use sand, cleaners containing acids and chemicals.

Do not operate steam cleaning appliances!

Damage and injury.

- Cleaning water should not enter electrical components and ventilation grille
- Dry everything thoroughly with a soft cloth

Import and export air grill should be cleaned regularly with a brush machine. Accumulation of dust increases the energy consumption. Be careful not to damage the cables and other components.

9.2 FAILURE

The following errors, you can fix yourself by checking the possible causes.

The device does not work, check lamp does not light up:

- Check mains plug is properly plugged into the power outlet ☐
- Check whether the socket fuse is intact ☐

Too much noise, do the following checks

- The appliance should stand firm on the ground ☐
- Cold circuit current in the prevention of noise - other note of it ☐

The temperature is not low enough, you perform the following checks

- Adjustment of "Set Temperature" value in accordance with section set? ☐
- Excessive amounts of fresh food have been placed on 24-hour watch the gauge ☐
- Established as a separate thermometer shows me the correct value? ☐
- Outward flow of air eligible? ☐
- The installation location is too close to a heat source? ☐

If none of the above causes mentioned, if you cannot resolve the fault yourself, please contact your nearest customer service. Please type in the tag type of device, the device number. Devices on the label located on the upper side wall of the cabinet.

10. CONNECTION AND INSTALLATION

10.1 INSTALLATION

- Stay away from exposed to direct sunlight, over oven, heating and like installation places ☐
- The installation site must be flat and level ground ☐
- Keep a sufficient distance from the wall for opening and closing the cover handle of device ☐
- Do not close the space between bottom freezer and ground. It is important for the compressor to provide cooling air ☐

10.2 CONNECTION

- Current type at the installation site (alternative current) and voltage, should be the same as stated on the label. Progress ☐
- Model label in the core, on the left, is located next to vegetable eyes. Wall plug should be protected by a fuse or 10 A, must be in an easily accessible place.

11. VERTICAL TYPE REFRIGERATOR

TECHNICAL SPECIFICATIONS OF VERTICAL TYPE REFRIGERATOR (1)										
MODEL	400LT			700 LT		1400 LT		2100 LT		
	VN4	VL4	VF4	VN7-BN7	VL7-BL7	VN14-BN14	VL14-BN14	VN21/A	VN21/B	VN21/C
CAPACITY (LT)	400			700		1400		2100		
DIMENSIONS (W x L x H)	60 x 60 x 190			70 x 78 x 205		140 x 78 x 205		210 x 78 x 205		
INTERIOR VOLUME (M ³)	0,45			0,71		1,42		2,13		
COOLING DEGREE (C°)	-2/8	-10/-25	-0/-5	-2/+8	-10/-25	-2/+8	-10/-25	-10/-25 -2/+8	-10/-25 -2/+8	-10/-25 -2/+8 -0/-5
COOLING FUNCTION	FANLI		STATIK	FANLI		FANLI		FANLI		
REFRIGERANT	R134	R404 A	R404 A	R134 A	R404 A	R134 A	R404 A	R134 A	R404 A	R134 A
COMPRESSOR POWER	1/1.5	1/2	1/2	1/3	1/2	1/3	1	1/3	1/2	1/3
ELECTRICAL POWER (W)	308	338	387	335	510	440	755	474-415	474-755	474-474-755
POWER SUPPLY (V/Hz)	220V-240V.AC.NFE-/50Hz			220.V-240V.AC.NFE-/50Hz		220V.-240V.AC.NFE-/50Hz		220V.-240V.AC.NFE-/50Hz		
LIQUID PROTECTION	1/IP20			1/IP20		1/IP20		1/IP20		
WEIGHT (KG)	75	80	85	120	125	175	180	295	305	335

12. COUNTER TYPE REFRIGERATOR

TECHNICAL SPECIFICATIONS OF COUNTER TYPE REFRIGERATOR (2)												
MODEL	2 DOORS COUNTER TYPE REFRIGERATOR				3 DOORS COUNTER TYPE REFRIGERATOR				4 DOORS COUNTER TYPE REFRIGERATOR			
	CSN2	CGN2	CSL2	OGL2	CSN3	CGN3	CSL3	OGL3	CSN4	CGN4	CSL4	OGL4
CAPACITY (LT)	250	281	250	281	400	474	400	474	550	632	550	632
DIMENSIONS (WxLxH)	60x140 x85	70x140 x85	60x140 x85	70x140 x85	60x186,5 x85	70x186,5 x85	60x186,5 x85	70x186,5 x85	60x233 x85	70x233 x85	60x233 x85	70x233 x85
INTERIOR VOLUME (M³)	0,22	0,27	0,22	0,27	0,35	0,43	0,35	0,43	0,5	0,61	0,5	0,61
COOLING DEGREE (C°)	-2 / +8		-10 / -25		-2 / +8		-10 / -25		-2 / +8		-10 / -25	
COOLING FUNCTION	FAN											
REFRIGERANT	R134 A	R134 A	R404 A	R404 A	R134 A	R134 A	R404 A	R404 A	R134 A	R134 A	R404 A	R404 A
COMPRESSOR POWER	1 / 5.HP	1 / 5.HP	1 / 2.HP	1 / 2.HP	1 / 3.HP	1 / 3.HP	1 HP	1 HP	1 / 3.HP	1 / 3.HP	1 HP	1 HP
ELECTRIC POWER(W)	308		338		308		338		308		338	
POWER SUPPLY (V/Hz)	220.V.-240V.AC.NPE/50Hz				220.V.-240V.AC.NPE/50Hz				220.V.-240V.AC.NPE/50Hz			
LIQUID PROTECTION	1 / IP21				1 / IP21				1 / IP21			
WEIGHT (KG)	100	110	105	115	140	150	145	155	170	180	175	185

TECHNICAL SPECIFICATIONS OF COUNTER TYPE REFRIGERATOR (2)												
MODEL	2 DOORS COUNTER TYPE REFRIGERATOR				3 DOORS COUNTER TYPE REFRIGERATOR				4 DOORS COUNTER TYPE REFRIGERATOR			
	BSN2	BGN2	BSL2	BGL2	BSN3	BGN3	BSL3	BGL3	BSN4	BGN4	BSL4	BGL4
CAPACITY (LT)	250	281	250	281	400	474	400	474	550	632	550	632
DIMENSIONS (WxLxH)	60x140 x85	70x140 x85	60x140 x85	70x140 x85	60x186,5 x85	70x186,5 x85	60x186,5 x85	70x186,5 x85	60x233 x85	70x233 x85	60x233 x85	70x233 x85
INTERIOR VOLUME (M³)	0,22	0,27	0,22	0,27	0,35	0,43	0,35	0,43	0,5	0,61	0,5	0,61
COOLING DEGREE (C°)	-2/-+8		-10/-25		-2/-+8		-10/-25		-2/-+8			-10/-25
COOLING FUNCTION	FAN											
REFRIGERANT	R134 A	R134 A	R404 A	R404 A	R134 A	R134 A	R404 A	R404 A	R134 A	R134 A	R404 A	R404 A
COMPRESSOR POWER	1/5.HP	1/5.HP	1/2.HP	1/2.HP	1/3.HP	1/3.HP	1 HP	1 HP	1/3.HP	1/3.HP	1 HP	1 HP
ELECTRICAL POWER(W)	308		338		308		338		308		338	
POWER SUPPLY (V/Hz)	220.V.-240V.AC/NPE/50Hz				220.V.-240V.AC/NPE/50Hz				220.V.-240V.AC/NPE/50Hz			
LIQUID PROTECTION	1/.IP21				1/.IP21				1/.IP21			
WEIGHT (KG)	100	110	105	115	140	150	145	155	170	180	175	185

13. UNDER COUNTER TYPE REFRIGERATOR

TECHNICAL SPECIFICATIONS OF UNDER COUNTER TYPE REFRIGERATOR (3)												
MODEL	2 DOORS UNDERCOUNTER TYPE REFRIGERATOR				3 DOORS UNDERCOUNTER TYPE REFRIGERATOR				4 DOORS UNDERCOUNTER TYPE REFRIGERATOR			
	USN2	UGN2	USL2	UGL2	USN3	UGN3	USL3	UGL3	USN4	UGN4	USL4	UGL4
CAPACITY (LT)	115	135	115	135	180	210	180	210	180	210	180	210
DIMENSIONS (WxLxH)	60X140 X60	70X140 X60	60X140 X60	70X140 X60	60X186,5 X60	70X186,5 X60	60X186,5 X60	70X186,5 X60	60X233 X60	70X233 X60	60X233 X60	70X233 X60
INTERIOR VOLUME (M³)	0,19	0,25	0,19	0,25	0,3	0,36	0,3	0,36	0,4	0,49	0,4	0,49
COOLING DEGREE (C°)	-2 / +8		-10 / -25		-2 / +8		-10 / -25		-2 / +8		-10 / -25	
COOLING FUNCTION	FAN											
REFRIGERANT	R134 A	R134 A	R404 A	R404 A	R134 A	R134 A	R404 A	R404 A	R134 A	R134 A	R404 A	R404 A
COMPRESSOR POWER	1/5.HP	1/5.HP	1/2.HP	1/2.HP	1/3.HP	1/3.HP	3/4.HP	3/4.HP	1/3.HP	1/3.HP	3/4.HP	3/4.HP
ELECTRICAL POWER (W)	260		398		320		415		420		530	
POWER SUPPLY (V/Hz)	220V.-240V.AC.NPE./50.Hz				220V.-240V.AC.NPE./50.Hz				220V.-240V.AC.NPE./50.Hz			
LIQUID PROTECTION	1/JP21				1/JP21				1/JP21			
WEIGHT (KG)	80	90	85	95	120	130	125	135	150	160	155	165

14. PIZZA AND DISPLAY REFRIGERATOR :

TECHNICAL DETAILS OF PIZZA AND DISPLAY TYPE REFRIGERATOR (4)						
MODEL	PIZZA REFRIGERATOR		DISPLAY REFRIGERATOR			
	PZT 155-BZT155	PZT 210-BZT155	DSP140	DSP155	DSP186	
CAPACITY(LT)	380	615	5.AD.GN.1/3.KAP	6.AD.GN.1/3.KAP	8.AD.GN.1/3.KAP	9.AD.GN.1/3.KAP
DIMENSIONS (WxLxH)	80x155x146,5	80x210x146,5	39x140x46	39x155x46	39x186x46	39x21x46
INTERIOR VOLUME (M³)	0,38	0,615	5.AD.GN.1/3.KAP	6.AD.GN.1/3.KAP	8.AD.GN.1/3.KAP	9.AD.GN.1/3.KAP
COOLING DEGREE (C°)	-2/ +8		-4..+10			
COOLING FUNCTION	FAN		STATIC			
REFRIGERANT	R134 A	R404 A	R134 A			
POWER OF COMPRESSOR	1/ 5.	1/ 3	1/ 5			
ELECTRICAL POWER (W)	532	550	120			
POWER SUPPLY	220.V.-240V.AC.NPE./ 50Hz□					
LIQUID PROTECTION	1 / IP21		1 / IP21			
WEIGHT (KG)	350	400	35	43	51	60

15. BAR AND UNDER COUNTER TYPE SLIM REFRIGERATOR :

TECHNICAL SPECIFICATION OF BAR AND UNDER COUNTER SLIM REFRIGERATOR (5)					
MODEL	BAR REFRIGERATOR			UNDER COUNTER SLIM REFRIGERATOR	
	BB150-SS150	BB250-SS250	BB350-SS350	VSN1	VSL1
CAPACITY	110	210	310	100	
DIMENSIONS (WxLxH)	59,5x50x90	92x50x90	138x50x90	60x60x85	
INTERIOR VOLUME (M³)	0,11	0,21	0,31	0,1	
COOLING DEGREE (C°)	+2 / +12			-2 / +8	-10 / -25
COOLING FUNCTION	FAN				
REFRIGERANT	R134 A			R134 A	R404 A
POWER OF COMPRESSOR	1 / 5		1 / 3	1 / 3	1 / 2
ELECTRICAL POWER (W)	217	260	295	217	279
POWER SUPPLY	220V.-240V.AC.NPE-/50Hz□				
LIQUID PROTECTION	1 / .IP21				
WEIGHT (KG)	30	42	52	50	75

16. MANUFACTURER COMPANY INFORMATION

17. AUTORIZED SERVICES INFORMATION

18. ACTIVATION

18.1 PREPARATION BEFORE ACTIVATION

- Make sure the cables and electric power that connecting to product provide the necessary electrical power.
- Make sure Counter type and Vertical type refrigerator is placed away from heat sources. Such as furnaces, radiators, direct sunlight.
- Leave space at least 75 mm (3 inch) at the back of the refrigerator. This is important for condensation.
- Cooling unit should be away from strong air flow obstructions, should be a place where comfortable and breathable.
- With the upper body of refrigerator and attic must be min 50 cm (9 inch) space.

Should be maximum ambient temperature of +43. °C (+109. °F) for products in order to work correctly. It can be highest ambient temperature +32. °C (+95. °F) where using static cooling system products.

Failure to comply with the above conditions, operating performance of the product will be serious decline, premature wear of the compressor and also consumes more energy than usual.

18.2 CONNECTION

Please follow the instructions listed below before running Frenoks Endüstriyel Soğutma Sanayi ve Ticaret A.Ş products.

18.3 ELECTRICAL

Making horizontal and vertical electrical connections is under user's responsibility. Check that the electrical connections according to the rules of electrical connection the country.

- Check even voltage be sure that the same written on the label.
- Check electrical outlet that according to electrical power rules.
- Check whether Exposed cable.
- Check the grounding.

USE OF DEVICE IS DANGEROUS AND ILLEGAL WITHOUT GROUNDING.

If you are connected multiple products to the same source, there should be a separate electrical outlet each other.

18.4 DRAINAGE CONNECTION

If you do not have evaporator in your product, it must be connected for the water drainage hose for removal of water out.

19. OPERATION

19.1 PERSONAL

The staff who are to use and installed the appliance, must possess (or acquire through adequate formation and training) the following skills and must understand the contents of this manual and all the relevant Safety Information:

- General technical knowledge enough to understand the contents of the Manual.
- Awareness of the main hygiene, accident prevention and technological regulations.

19.2 PUTTING INTO OPERATIONS

If the equipment has been mistakenly positioned horizontally during transport, wait about 2 hours, after putting it into a vertical position, before it into operation.

19.3 TEMPERATURE REGULATION

The choice of temperature must take into consideration:

- The type of product which is going to be kept in the cold storage room;
- The temperature of the environment;
- The frequency of opening;

It is to be remembered that:

- Negative refrigerators (-10°C/-25°C)(14°F/32°F) are suitable for the conservation of frozen products for long periods of time and for the freezing of small quantities of fresh foodstuffs of small dimensions.

In any case, before loading the equipment, it is necessary to wait until the cold storage room have reached the correct temperature, checking it on its thermometer. If there are any brief interruptions to the electricity supply, it is probable that the compressor might start with some delay; this is perfectly normal.

19.4 STORAGE OF FOOD

In order to obtain the best possible working of the refrigerator, it is necessary to respect the following indications:

- Do not put hot foods or uncovered liquids into the cold storage room;
- Wrap up or cover all foods, especially those with strong aromas or cream;
- Organise the foodstuffs inside the cold storage room in such a way as not to block the circulation of air with superfluous objects;
- Avoid to keep open the door for long periods of time;
- Wait a few moments before opening a door which has just been closed.

20. ROUTINE MAINTENANCE

The information contained in this chapter is aimed at the User (non specialised person) and at the Ordinary Maintenance Staff.

20.1. ELEMENTARY SAFETY REGULATIONS

20.1.1 PROHIBITION OF REMOVAL SAFETY DEVICES

The removal of safety protection is absolutely forbidden for the carrying out of ordinary maintenance work. The Manufacturer declines any responsibility for any accident caused by the lack or respect for the above written regulation.

20.1.2 INDICATION ON EMERGENCY OPERATIONS IN CASE OF FIRE

- Remove the plug from the socket or switch off at the mains;
- Do not use water jets;
- Use powder or foam extinguishers.

20.1.3 CLEANING OF THE EXTERNAL PARTS

The following are indicated for this purpose:

- Cleaning products: water and neutral non-abrasive detergents (DO NOT USE SOLVENTS);
- Cleaning methods: wash with a cloth or a sponge;
- Frequency: weekly.

20.1.4 CLEANING OF THE CONDENSER

The efficiency of the condenser unit is compromised by the blocking of the condenser which makes it necessary to clean it weekly. Before carrying out this operation, switch off the appliance, remove the power cable and proceed as follows:

- With the use of an air jet or dry brush with rigid bristles, eliminate, with a vertical movement (as shown in Fig. 6), the dust and down from the wings.

In the case of oily deposits, use a brush soaked in spirit or similar product. When the operation is finished, start the appliance up in the normal way.

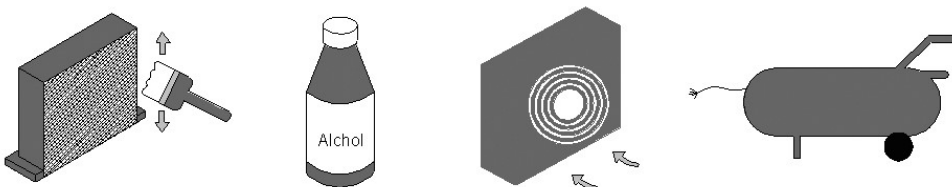


Figure 6 Cleaning of the Condenser

20.1.5 PERIODIC CHECKS TO BE CARRIED OUT

It is necessary to check periodically that the electric cables and the electric parts are undamaged.

21. NON ROUTINE MAINTENANCE AND REPAIRS

Non routine maintenance and repairs must be carried out by qualified personnel authorised by the manufacturer. The manufacturer declines any responsibility for jobs carried out by unauthorised personnel or the use of non-original spare parts.

22. TROUBLESHOOTING

The following table shows the most frequent problems, possible causes and remedies.

PROBLEM DESCRIPTION	POSSIBLE CAUSE	SOLUTION
The appliance does not come on	The main switch is "off" There is no tension Other	Main switch "on" Check plug, socket, fuse, electric connection Contact technical assistance
The refrigerator unit does not start	Set temperature is reached Defrosting is in operation Control panel is broken Other	Set new temperature Wait for end of cycle, switch off and switch back on Contact technical assistance Contact technical assistance
The refrigerator is continuously working but does not reach the set temperature	Room is too hot Condenser is dirty Refrigerator fluid is insufficient Condenser fan has stopped Door not properly closed Evaporator is frosted up Defrost valve is open	Air better Clean condenser Contact technical assistance Contact technical assistance Check door seals Manual defrosting Contact technical assistance
Refrigerator does not stop at set temperature	Control panel is broken Temperature probe is broken Door is not airtight	Contact technical assistance Contact technical assistance Close door
Ice blocks on evaporator	Improper use Control panel is broken	Contact technical assistance Contact technical assistance
Pool of water or ice in drip tray	Blocked Appliance not levelled	Clean drain and discharge Contact technical assistance
Appliance is noisy	Appliance not levelled Contact with external bodies Screws or nuts loose Other	Check that appliance is level Check that no tube or ventilator fan is in contact with external bodies Tighten Contact technical assistance

IN ORDER TO GUARANTEE THE EFFICIENCY OF THE APPLIANCE AND ITS CORRECT FUNCTIONING THE MANUFACTURER'S INSTRUCTIONS MUST BE FOLLOWED AND PERIODIC SERVICING MUST BE CARRIED OUT BY PROFESSIONAL QUALIFIED PERSONNEL.

(LEGAL REQUIREMENT FOR THE PREVENTION OF ACCIDENTS AT WORK AND THE INSTALLATION OF ELECTRICAL APPLIANCES)

IT IS OBLIGATORY TO BE IN ACCORDANCE WITH POWER SUPPLY REGULATIONS.

23. SPARE PARTS

23.1 SUPPLY OF ORIGINAL SPARE PARTS

For the substitution of any parts, spares can be obtained at our authorized centres, on giving

- Serial number and year of manufacture (see plaque A)
- Component identification number

Any malfunctioning due to non-original spare parts will not be recognised by our technicians.