FG range of refrigerators for milk storage

FG10I WMFE – EUROPEAN VERSION

INSTALLATION, USE AND ASSISTANCE MANUAL

Rev. 1.0.10.10 ENG

CONTENTS

1 Purpose of This Manual

This manual for the FG10I WMFE refrigerator, which is part of the FG SERIES, serves to provide instructions and useful recommendations for the correct installation, start up, use, maintenance and cleaning of the appliance as well as to point out any residual risks or risks arising from incorrect use.

This manual must be considered an integral part of the appliance to which it refers and as such, it needs to be kept with care.

Some figures in this manual may illustrate details or parts that differ slightly from those on your appliance; this in no way modifies essential information.

The manufacturer reserves the right to update this manual, as considered necessary, at any time and without notice.

2 General Warnings

The safe and correct use of this product requires you to follow the rules and guidelines in this manual. The manufacturer cannot be held liable for any damage arising from failure to abide by the warnings in this manual.

The product referred to in this manual is made to store milk or similar liquids for human consumption. No use other than that for which it was intended is permitted. Any other use is considered improper and therefore, hazardous.

Carefully read the labels on the refrigerator; do not cover them under any circumstances and be sure to replace them immediately should they become damaged.

In case of malfunctioning, disconnect the refrigerator from the power supply immediately.

Non-routine maintenance operation must be performed only by professionally qualified persons.

Some points of the internal condensing unit of the refrigerator may be hot or have potentially sharp edges.
Before carrying out non-routine maintenance or servicing operation, disconnect the power supply and wait for the time needed for the appliance to cool down. Always wear suitable personal protective equipment, compliant with current standards, when performing cleaning or maintenance.

The “Electric Shock Hazard” label found on parts, casings and/or covers serves to warn that their removal means being exposed to the danger of coming into contact with energised parts.

Do not expose the refrigerator to jets of water and never use toxic substances for cleaning.

Do not expose the refrigerator to sources of heat.

In case of fire, use extinguisher powder.

The packaging material must be disposed in compliance with current regulations.

3 Manufacturer Identification

The product referred to in this manual is designed and made by

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Fax + 39 0721 497739
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4 Refrigerator Identification

Each refrigerator has an identification label with the following information:
- model
- unit identification code
- refrigerated compartment volume
- climatic class
- compressor model
- power supply voltage
- power consumption (W)
- current consumption (A)
- type of refrigerant
- refrigerant quantity
- serial no.: digits 1,2: year of manufacture
  digits 3,4: week of manufacture
  digits 5,6,7,8: progressive number

5 General Description

The FG10I WMFE refrigerator referred to in this manual is part of the FG range of refrigerators, expressly designed to be coupled with coffee machines for the purpose of guaranteeing the correct storage of milk or similar liquids for human consumption, which need to be maintained at a controlled temperature.

6 Description of Operation

The refrigerator operates using a refrigerant vapour compression cycle that transfers heat from the inside to the outside, making it possible to keep the liquid for human consumption stored inside it at a constant, pre-set temperature.

The refrigerant evaporates by removing the heat from the air via the cold inside walls of the refrigerator (in contact with the evaporator through which it flows) before entering the compressor. Here the pressure and temperature of the refrigerant are increased and it is then passed through an air-cooled condenser, where it is condensed. Lastly, the refrigerant fluid returns inside the evaporator via capillary and the cycle is repeated.

The internal temperature can be varied using the thermostat in the back part of the refrigerator.

7 Installation and Use

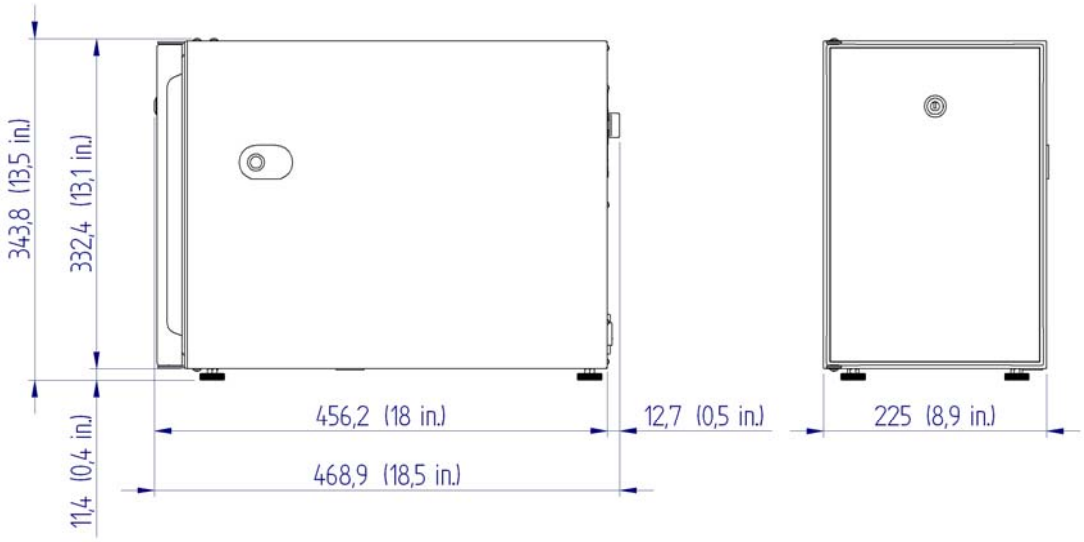
7.1 Checking the packaging

As soon as the package arrives, inspect it, making sure that it is not upturned and that it has suffered no damage during transport. Remove the packaging and inspect the unit for damage of any kind.

If there is any doubt as to the integrity of the system parts, do not use the refrigerator.
You must inform your dealer of any damage and/or anomalies not later than 24 hours from the date of purchase.

7.2 Positioning

The FG10I WMFE refrigerator has the overall dimensions in millimetres (in inches) shown in the figure below.

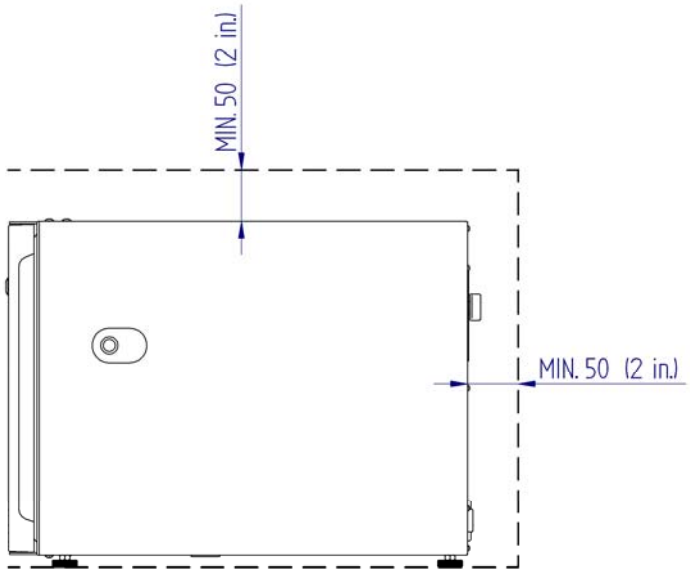


Place the refrigerator on a horizontal surface and use the adjustable feet to level it, if needed.

When choosing the position of the refrigerator, remember that a gap of at least 50 mm (2 in.) is required between the back panel of the refrigerator and any wall in order to allow the warm air from condensation to escape.

We recommend leaving a gap of the same size 50 mm (2 in.) between the top part of the refrigerator and any surface above it.

As far as any space requirements at the sides of the refrigerator are concerned, there are no specific instructions.



7.3 Electrical connection

The FG10I WMFE refrigerator is equipped with a IEC connection socket and a main power switch on the back panel.
The power cord with Schuko plug (CEE 7/7) is supplied with the refrigerator.

Before connecting the refrigerator to the main electrical line, make sure that the supply has the same characteristics (voltage, number of phases, network frequency and amperage) as those stated on the product label.

Grounding the appliance is obligatory and therefore you must ensure that the electrical system to which the refrigerator will be connected is grounded and that the grounding system is in perfect working order.

The manufacturer declines all liability for any damage suffered by people or property as a result of failure to abide by the above instructions.

To connect the refrigerator to the main electrical line, insert the plug into a socket without using, if possible, adaptors, multiple sockets and/or extension cords. Should the use of any of these accessories be unavoidable, only use items that comply with current safety standards and take care never to exceed their capacity (in current).

7.4 Use

The FG10I WMFE refrigerator has an oval opening on the side for ducting the pipe to pick up milk from the container placed inside the refrigerator.

The refrigerator must be used only with the provided tank, in any case with closed milk containers.

The refrigerator can be started and adjusted using the thermostat placed on the back.

If the thermostat is set to **OFF**, the refrigerator is switched off.

Moving the thermostat to **MIN** will start the refrigerator.

The optimum temperature adjustment range for the application for which the FG10I WMFE refrigerator is designed, is between the **MIN** and **MAX** settings marked on the thermostat.

As the thermostat is moved closer to the **MAX** position, the temperature inside the refrigerator will become lower.

*NOTE: The refrigerator can operate at lower temperatures than the level obtained by setting the thermostat to **MAX** by turning the dial clockwise past this setting and as far as it will go.*

However, since these temperatures are out of the envisaged range for storing milk or similar liquids for human consumption, the manufacturer advises against using the refrigerator in this way, stressing again that the appliance is designed and made to store milk or similar liquids for human consumption at a controlled temperature and not to chill such products from room temperature.

Adjusting the thermostat acts indirectly on the inside temperature of the refrigerator.

Once switched on, the refrigerator will begin to operate, but a certain amount of time is needed (depending on external conditions as well as on the thermostat setting) for it to reach the required internal temperature.

We recommend only inserting milk and/or similar liquids for human consumption inside the refrigerator once the internal temperature has stabilized.

7.5 Defrosting

If the FG10I WMFE refrigerator is left to operate for very long periods of time, it is possible for ice to form on its inside walls.

If the ice becomes considerably thick, it is advisable to defrost the refrigerator in order to continue to guarantee good appliance efficiency and avoid higher electricity consumption.

To defrost the appliance, turn the thermostat dial to OFF; we recommend leaving the refrigerator door open to speed up this operation.

Never use tools or utensils of any type to remove ice as this could damage the evaporator, which is in contact with the inside walls of the refrigerator.

The manufacturer cannot accept any liability for damage to the appliance caused by failure to abide by this recommendation.

At the end of the defrosting operation and after cleaning and thoroughly drying the insides of the refrigerator, switch it on by turning the thermostat dial to the required setting.

7.6 Cleaning and maintenance

Before cleaning or carrying out any maintenance operation on the refrigerator, be sure to disconnect it from the power supply.

This instruction is also found on a label located on the back panel of the refrigerator.

The outside of the refrigerator (plastic coated steel) can be washed first with warm water and then rinsed in cold water and dried with a soft cloth. Do not use abrasive products.

To clean the inside of the refrigerator, after removing any containers of milk or similar liquids for human consumption, wipe with warm water and if necessary, a little vinegar to remove any grease. Rinse with clean water and dry with a soft cloth. Never use abrasive products, detergents or soap.

It is also advisable to make sure that the air-cooled condenser of the refrigerating unit at the back of the appliance is clean. If it is particularly clogged with dust, this should be removed using a vacuum cleaner.

In case of a prolonged period of disuse, we advise you to disconnect the refrigerator from the power supply, empty it completely, clean it and leave the door slightly open to prevent the formation of mould and/or unpleasant odours.

7.7 Non-ordinary maintenance and service operation

Servicing and maintenance operation on the refrigerator must be ensure and performed by qualified service personnel only.

Access to the service area is permitted only for persons with knowledge and practical experience with the unit, especially regarding safety and hygiene.

The refrigerator must be set up such that care and maintenance are not hindered.

8 Disposal

If the refrigerator needs to be placed out of service, it must not be disposed of as household waste but taken to a refuse recycling centre. This is shown by the  symbol on the product label.

Use specialist waste collection centres that are certified according to current standards.

If not correctly disposed of, the product can be harmful to the environment on account of the specific substances it contains.

The refrigerant inside the system must not be disposed of with normal waste.

Incorrect disposal or illegal dumping of the product will lead to severe legal penalties of an administrative and/or criminal nature, as envisaged by current laws.

9 Warranty Claims

The warranty period starts from the date of delivery to the final user.

The vendor should always be afforded the opportunity to rectify errors within an appropriate period.

Claims that exceed the above terms, in particular damage claims as a result of consequential damage, are excluded to the extent that this is legally permissible.

Material defects shall be reported to the vendor immediately and in writing.

No warranty is provided:

- On any parts subject to natural wear and tear. These include the milk container, the parts carrying milk and the front door's seal.

- For malfunctions due to the effect of the weather, chemical, electrochemical or electrical effects.

- If malfunctions occur as a result of failure to follow handling instructions and regulations, maintenance and care of the unit.

- If malfunctions occur as the result of failure to use original replacement parts or incorrect assembly by the purchaser or by third parties or by faulty or negligent treatment.

- If improper modifications are made without our consent or in case of repair or reconditioning work on the part of the purchaser or by third parties.

- In respect of faults caused by inappropriate or improper use.

10 Troubleshooting

The following table serves to provide some suggestions concerning the checks to be made in case of incorrect refrigerator operation.

If, after completing the suggested checks, the refrigerator is still not operating regularly, contact your nearest assistance service.

Problem	Probable Cause	Solution
The refrigerator will not start	Power supply	Make sure that the power cord is correctly plugged into the power socket
		Make sure the main power switch is on “I” position
		Make sure that the automatic breaker on the system’s electrical panel is on
		Make sure that the plug socket is working
		Make sure that the power cord is not damaged and/or broken
	Thermostat	Make sure that the thermostat is not set to OFF
The refrigerator is noisy	Position	Make sure that the refrigerator has been properly levelled
		Make sure that the refrigerator is not in contact with furniture or other items that might increase its vibrations
	Refrigerant pipes	Make sure that the pipes and/or components of the refrigerant circuit are not touching. This is a check that must only be carried out by a specialist service engineer
The cooling power of the refrigerator is not sufficient	Door closure	Make sure that the door is correctly closed and also that the gasket is not damaged in any point
	Position	Make sure that the refrigerator is not too close to a source of heat
	Condenser	Make sure that the refrigerator is positioned so that the condensation air can be discharged correctly (from the rear panel)
		Make sure that the condenser fan is rotating correctly
		Check the condenser for dust and clean if necessary
	Defrosting	Make sure that the insides of the refrigerator are not excessively covered in ice. Defrost if necessary