

USER MANUAL – EU version

Modular Table Top



WARNING

Read the instructions before using the machine.

KEEP THIS USER MANUAL FOR FUTURE USE!

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We advise you to contact your supplier for the guarantee period and conditions. Further we refer to our General Terms and Conditions for Sales and Delivery that are available upon request.

The manufacturer does not accept any liability for damage or injury caused by failing to adhere to these regulations or by not observing the usual caution or care in actions, operation, maintenance or repair activities, even if not explicitly described in this manual.

As a result of constant commitment to improvement, it may happen that your unit deviates in detail from what is described in this manual. For this reason, the given instructions are only a guideline for the installation, use, maintenance and repair of the unit referred to in this manual.

This manual has been composed with the utmost care. The manufacturer shall, however, not be held responsible for any mistakes in this manual nor for any consequences thereof.

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Modifications:

In case of unauthorized modifications in or on the unit, every liability on the part of the manufacturer becomes null and void.

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1. INTRODUCTION

1.1 General

This manual is intended for the user of the MTT (Modular Table Top). The features and controls are being described, along with directions for the safest and most efficient use, in order to guarantee a long life of the unit.

This appliance is intended to be used for commercial applications, for example in kitchens of restaurants, canteens, hospitals and in commercial enterprises such as bakeries, butcheries, etc., but not for continuous mass production of food.

All pictograms, symbols and drawings in this manual apply to all available MTT (EU) models.

1.2 Identification of the unit

The identification plate can be found on the outside of the machine, and contains the following data:

- Name of the supplier or the manufacturer.
- Model.
- Serial number.
- Year of construction.
- Voltage.
- Frequency.
- Power consumption.

1.3 Pictograms and symbols

In this manual, the following pictograms and symbols are used:



WARNING

Possible physical injury or serious damage to the unit, if the instructions are not carefully followed.



WARNING

Hazardous electrical voltage.



WARNING

Danger of getting injured by hot surfaces.



SAFETY

Wear safety gloves for installation and dismantling.



Suggestions and recommendations to simplify indicated actions.



Recycling symbol.

1.4 Safety instructions



WARNING

The outside and shelves of the unit can be very hot.



WARNING

The maximum load on top of the unit may never exceed 10 kg.



WARNING

See installation instructions for grounding requirements.

1.4.1 General

The user of the unit will be fully responsible for abiding the locally prevailing safety- rules and regulations.

The unit may be operated by qualified and authorized persons only. Anyone working on or with this unit must be familiar with the contents of this manual and carefully follow all guidelines and instructions. Never change the order of the steps to be performed. The management must instruct the personnel on the basis of this manual and follow all instructions and regulations.

The pictograms, labels, instructions and warning signs attached to the unit, are part of the safety measures. They may never be covered or removed, and have to be clearly visible during the entire lifetime of the unit.

Immediately repair or replace damaged or illegible pictograms, warnings and instructions.

- To avoid short-circuiting, never clean the unit using a water hose. For cleaning instructions, see section 5.
- The shelves, glass and back of the hot unit can get hot.
- The unit must be cleaned regularly to ensure proper functioning.
- Do not store explosive substances such as aerosol cans with flammable propellant in this appliance.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children shall not play with the appliance.
- Cleaning and user maintenance shall not be performed by children without supervision.

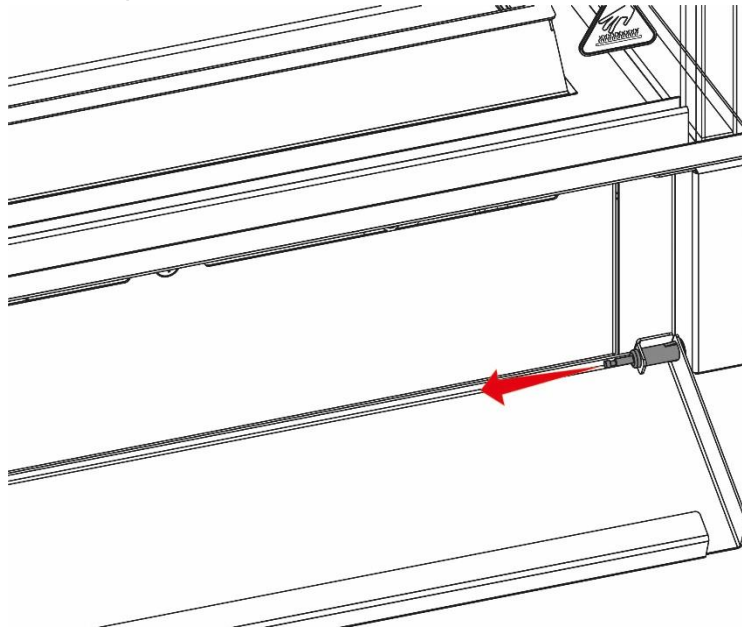
1.4.2 Moving (when applicable)

When moving the unit:

- Before moving the unit, first switch off the mains voltage by pulling the plug from the wall socket.
- Remove pans containing a liquid product from the unit.
- Always keep the unit in upright position.



To prevent damage from moving/lifting the unit, remove the front panel by pulling on one of the hinge pins. The hinge pins are located on the inside of the front panel.



1.4.3 Outdoor use restrictions



WARNING

To avoid short-circuiting, the units may not be used outdoors or in a rainy or very moist environment.

1.5 Hygiene



WARNING

Immediately remove products in damaged packaging from the equipment and destroy the products. Clean all components that have come in contact with products from damaged packaging.

The quality of a fresh product always depends on hygiene. It is essential that products are packaged immediately after preparation. Prevent fresh raw vegetables or already prepared, cooled products from coming into contact with raw meat products to avoid transmitting salmonella. First thoroughly clean hands and/or tools that have touched raw meat.

For hot products, the core temperature of the products at packaging should at least be 85°C.

Be aware that high humidity levels may encourage the growth of biological organisms in the environment.

Refer to the cleaning instructions of section 5.

1.6 Service and technical support

The electrical schematics of your unit is included. In case of malfunctions you can contact your dealer/service agent. Make sure you have the following data available:

- Model.
- Serial number.

This data can be found on the identification plate.

1.7 Storage

If the unit will not be used temporarily, and will be stored, follow these instructions:

- Clean the unit thoroughly.
- Wrap the unit from getting dusty.
- Store the unit in a dry, non-condensing environment.
- Ensure good ventilation.

1.8 Disposal



Dispose of the machine, any components or lubricants removed from it safely in accordance with all local and national safety and environment requirements.

2. DESCRIPTION OF THE UNIT

2.1 Technical description

The panels are made of galvanized steel plating, stainless steel or aluminium. Some of the visible internal and external parts have been provided with a powder coating. The glass used is tempered. The controls for operating the appliance have been mounted on the operator side of the unit. The product contact parts are made of stainless steel AISI 304 or AISI 430 and tempered glass.

Heating in the unit is achieved by means of heated shelves in combination with an hot-air curtain per shelf. The air curtain isolates the hot air inside the unit from the ambient air.

An electronic thermostat controls the temperature. The MTT has a multi temperature controller which allows each shelf to have its own operation temperature. The electronic thermostat has been set at the correct value at the factory. The set temperature can be changed between 40°C and 70°C. One LED-module per level provides for lighting of the products. The LED-lighting and the heating are switched on and off together. There are two MTT user variants; a solid back version and a pass through version which allows the user to (re)fill products via the back side.

2.2 Intended use

MTT models have been designed solely to keep packaged products warm and to display them. Any other use will not be regarded as intended use. The manufacturer accepts no liability whatsoever for loss or injury caused by failing to strictly adhere to the safety guidelines and instructions in this manual or due to carelessness during installation, use, maintenance and repair of the unit referred to in this manual and any of its accessories.

Use the unit in perfect technical condition only.

2.3 Accessories

Your unit contains the following standard accessories:

- User manual.
- Power supply cord.

For optional accessories contact customer.service@frijado.com.

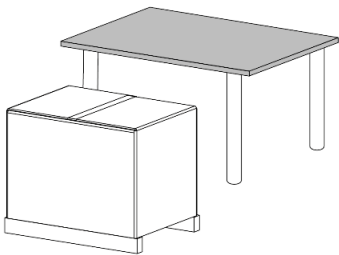
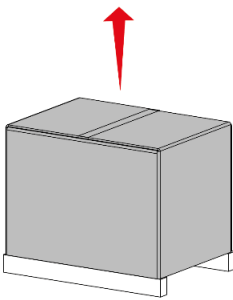
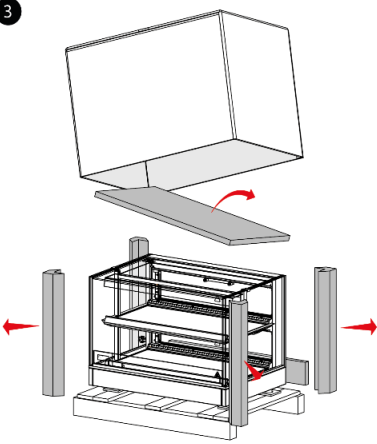
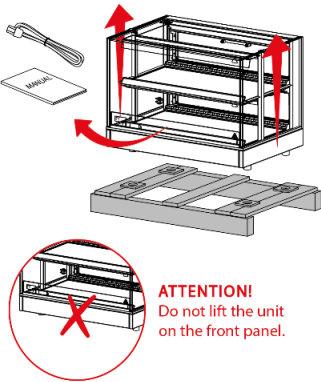
3. INSTALLATION AND FIRST USE



All packing materials used for this unit are suited for recycling.

Before and during unpacking, check the state of the unit. In case of damage, store the packing material, and contact the transporter within fifteen working days after receiving the goods.

3.1 Unpacking the unit

UNPACKING INSTRUCTION MTT		9124860 REV. 02/2023
<p>1</p>  <p>Place the box close to the counter where the unit needs to be placed on, preferably at the same level.</p>	<p>2</p>  <p>Remove the strap and lift the box from the pallet.</p>	
<p>3</p>  <p>Remove all the styrofoam inserts.</p>	<p>4</p>  <p>ATTENTION! Do not lift the unit on the front panel.</p> <p>Take the manual and power cord out and lift the unit from the pallet onto the counter.</p>	
<p> NL - Lees de handleiding voordat u verder gaat. EN - Read the manual before proceeding. DE - Lesen Sie die Gebrauchsanleitung, bevor Sie fortfahren. FR - Lire le manuel avant de continuer. ES - Leer el manual antes de continuar. </p>		
<p> PT - Leia o manual de instruções antes de continuar. IT - Leggere il manuale prima di procedere. NO - Les nøye gjennom instruksjonene før du tar apparatet i bruk. SV - Läs igenom bruksanvisningen innan du fortsätter. FI - Lue käyttöohje ennen kuin otat laitteen käyttöön. </p>		

1. Unpack the unit as initiated on the unpacking instruction on the packaging.
2. Remove all remaining packing materials from the unit.
3. Remove the protective foil from all the parts.
4. Take off the standard accessories.

3.2 Installation and positioning



WARNING

Electric shock hazard. Grounding instructions: only connect the appliance to an alternating current provided by a grounded wall socket, with a mains voltage in accordance with the information indicated on the data plate of the appliance.

It is the consumer's responsibility to make sure the electrical installation conforms with current national and local codes and wiring regulations.

Do not use a multi plug or extension cord. Such can result in fire, electrical shock, or other personal injury.

Failure to follow these instructions can result in death or serious injury.



WARNING

Position the unit on a flat and horizontal surface. A temporally inclined plane of maximum 5° is allowed.

- Be sure that the personnel have sufficient room to work with the unit.
- The minimum free distance must be at least 25 mm.
- While positioning, keep the unit out of children's reach.
- Do not position a unit near a doorway, a ventilation device or a refrigerator in order to avoid any negative effects on the unit's operation by a cold airflow. The unit is designed for a maximum draft of 0,2 m/s.
- Do not place into direct sunlight.
- The unit should not be used below 20°C ambient temperatures.
- The unit has a mains plug, and must be connected to a wall socket with the proper mains voltage. The wall socket must be mounted by a certified electrician.

3.2.1 Applying price rail

Optional price rails can be mounted using the front screws underneath each of the shelves.

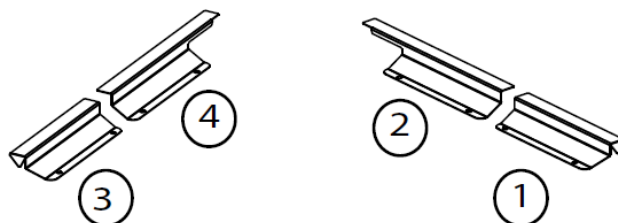
3.3 Repositioning the glass shelves

The top shelf can be positioned at two angled positions (0° and 3°). Refer to installation manual.

3.4 Air blockers

It is important that the air blockers remain on the shelf. Because without the air blockers the performance of the MTT cannot be guaranteed! The installation of the air blockers is shown on the next page.

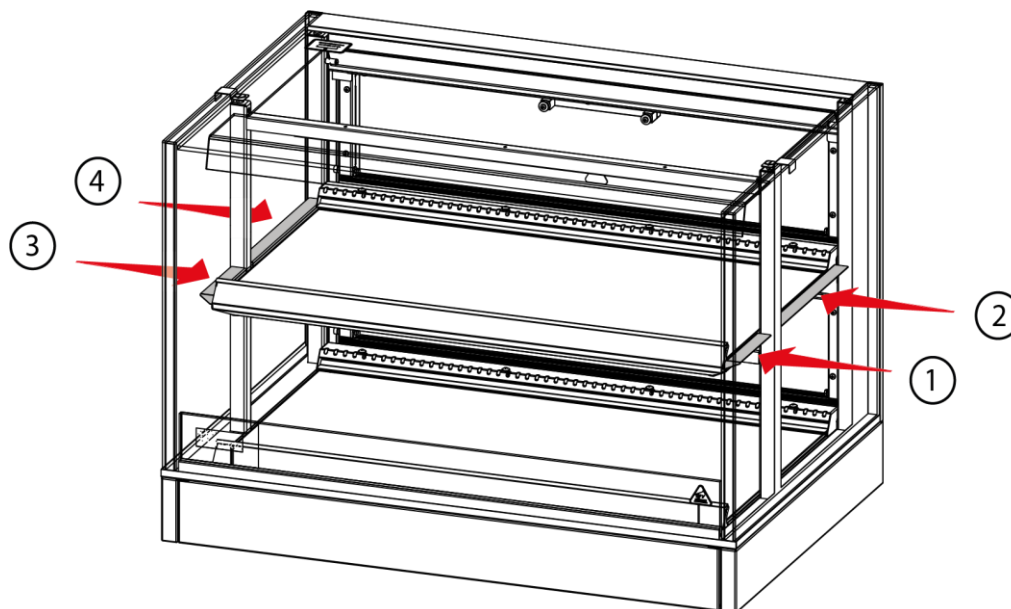
The air blockers have the following numbers:



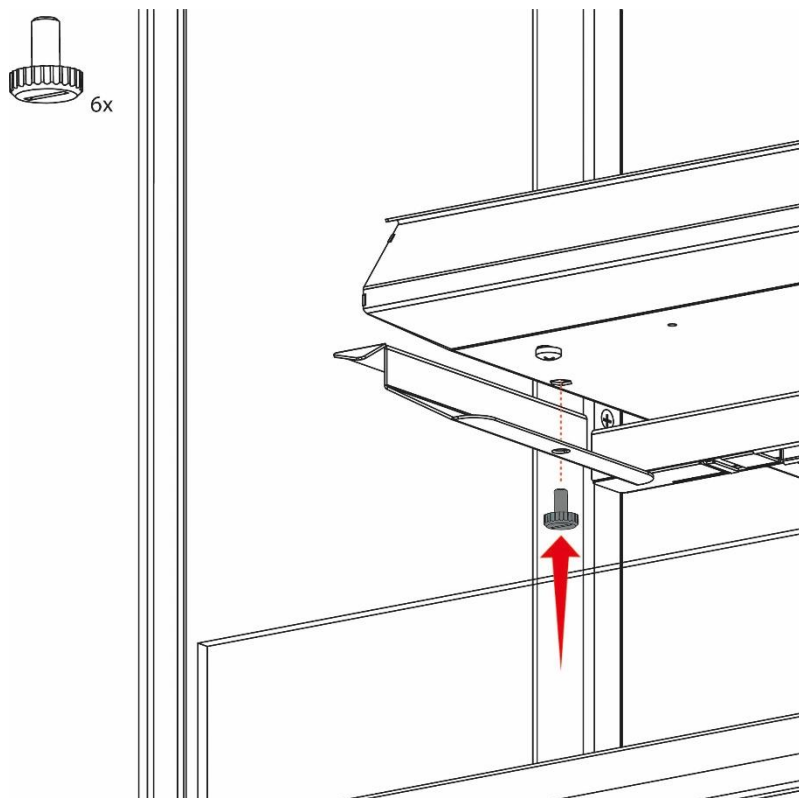
These 4 types of air blockers need to be installed according the next steps:

1. Mount the air blockers under the shelf at the 4 positions.
2. Mount air blocker 1 and 2 on the right hand side of the shelf and mount air blocker 3 and 4 on the left hand side of the shelf with 6 screws (hand tight).

1.

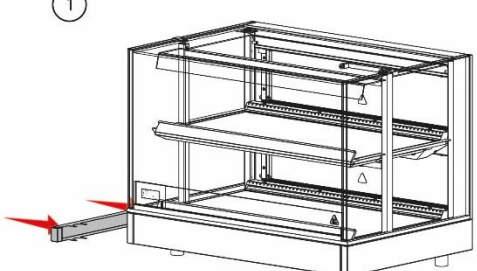
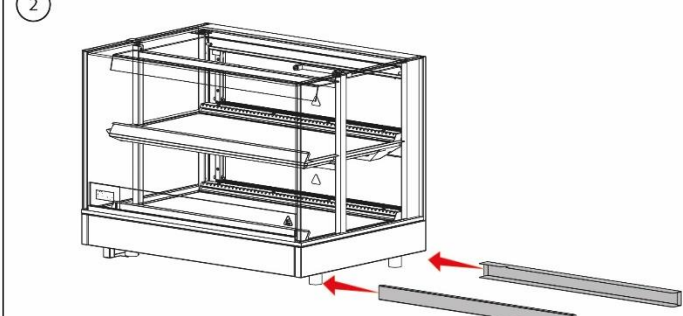
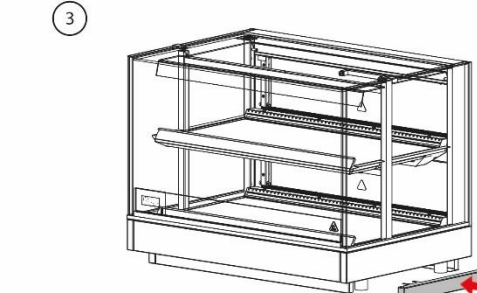
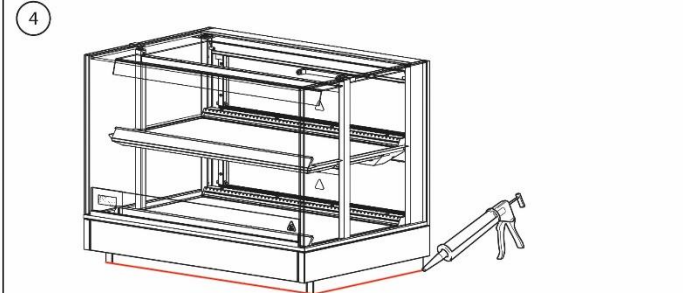


2.



3.5 Installation of plinth set (if applicable)

Install the plinth set as initiated on the installation instruction (9124862).

INSTALLATION INSTRUCTION - Plinth Set		9124862 - REV. 02/2023
<p>①</p>  <p>Slide one of the side plinths with the fittings over the legs. Make sure the plinth lays flush with the back side of the unit.</p>	<p>②</p>  <p>Slide the front and back plinth underneath the unit, snapping them into place.</p>	
<p>③</p>  <p>Close everything up by placing the second side plinth around the legs, snapping into the front and back plinth.</p>	<p>④</p>  <p>Seal the bottom edges of the plinth to the counter by adding a silicone sealant.</p>	



If the power cord needs to go underneath the unit, the back plinth will have an opening which needs to be facing upwards. If the power cord goes around the unit, the opening of the back plinth must face downwards.

3.6 First use

Before starting to use the unit, clean the inside thoroughly with mild detergent and water. After cleaning it wipe it with a cloth moistened with clean water to remove residual detergent, then dry the entire unit.

4. OPERATION AND USE



The display and/or set value is not the product/unit temperature.

Control Panel

On/Off Switch(es):

The main switch is located left underneath the front of the unit.

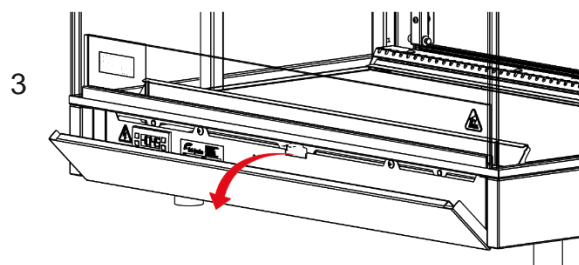
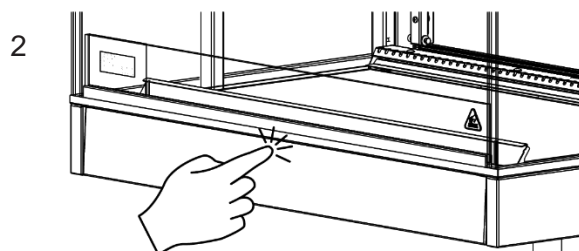
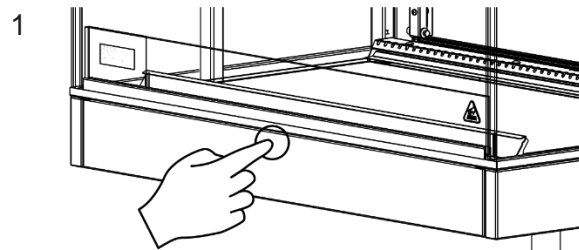
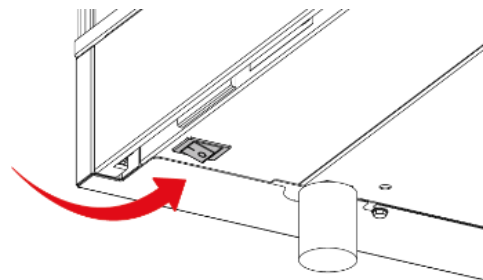
Controls:

Note: The controls are located behind the front panel of the unit.

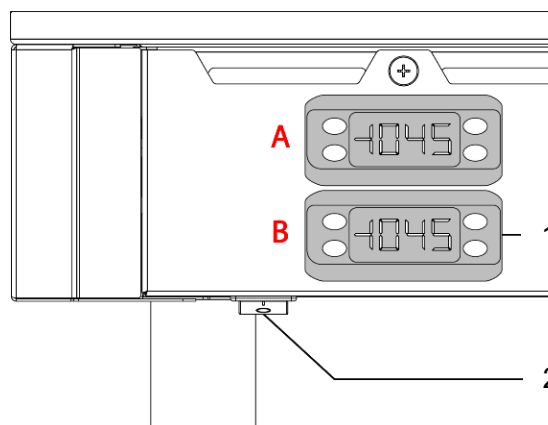
To access the controls:

1. Push at the upper middle of the panel.
2. Stop pushing when you have reached the end, then gently release to place the front panel ajar.
3. Pull the front panel from the magnetic lock to fully open the front panel.

To close the panel, attach the front panel to the magnetic lock and keep pushing until you can feel or hear the click again.



1. Temperature controller (heating).
2. On/Off switch.



Display multi temperature controller

A controller for each shelf to switch it on/off and control it separately. The controllers are positioned in the same way as the shelves. So letter '**A**' shows the top shelf controller and letter '**B**' shows the bottom shelf controller.

Using the multi-temperature controllers

The shelves can be controlled individually or even turned off completely. In this way optimal holding conditions for different food groups can be achieved (for example: depending on holding time, product quality, packaging and accessories used).

When set to the same temperature uniform temperatures can be attained throughout the cabinet and energy can be saved. Although every combination of settings is possible (ranging from completely off to a setpoint between 40°C and 70°C), certain settings may influence the time it takes for a shelf to reach operating temperature.

For example, if only one shelf is turned on it may take over 60 minutes instead of approx. 30 minutes when shelves are all set to the same temperature.



If different setpoints are required, it is advised to assign the highest setpoint to the top shelf and the lowest setpoint to the bottom shelf for optimal performance and energy savings.

If you need any assistance in determining the best setup for your hot food-to-go offering (such as temperature setpoint, packaging and accessories), please contact Fri-Jado.

Temperature controller

⏻	Power on/off button*
⬆	UP-button
⬇	DOWN-button
SET ⬅	SET-button



Image for reference only.

* Switch on/off: hold for several seconds.

4.1 Operating



The unit is set at 65°C intake air temperature. If required, this temperature can be adjusted.

At an ambient temperature of 20°C and an initial core temperature of 85°C these factory settings of the unit's temperature ensure a constant core temperature of at least 65°C for 4 hours.

Switching-on the unit

1. Switch on the power switch (the fans will start blowing).
2. Switch the heating on, by means of the temperature controller.
3. Preheat the unit (may take between 30 and 90 minutes depends on controller settings).

Loading the unit

- Only place products that have a core temperature of at least 85°C.
- The hot products need to be packaged in bags or containers that are suitable for this purpose.
- To ensure a good contact with the heated trays, only place a single layer of products.
- The maximum loading height is 50 mm below the bottom of the shelf/air guide above.
- The maximum carrying-capacity per shelf is 30 kg/m, by equal load.

Checking the temperature in the unit

- During operation the display of the thermostat shows the temperature at the probe in the unit. The indication ON will lit when the elements are active.

Checking the set temperature

1. Scroll through the folders with **Λ** and **∇** until you find the folder **Pb1**, **Pb2** or **Pb3**.
2. Press **SET** to view the value measured by the corresponding probe.

Adjusting the set temperature

1. During operation the display of the thermostat shows the temperature in the unit.
2. Push twice on the **SET**-button. The set temperature will appear on the display.
3. Push the **Λ**-button and **∇**-button within 15 seconds.
4. Adjust the set temperature by means of the **Λ**-button and the **∇**-button.
5. Push once on the **SET**-button to store the new set temperature.

Checking the product temperature

- Once every hour, the product temperature should be checked using a digital thermometer.
- Write down the measured values in a log.
- Always use a disinfected thermometer sensor.

Switching off

1. Remove all products from the unit. In order to avoid temperature drop of the products, store them in another warm holding unit.
2. Switch the heating off.
3. Switch the main power off.

5. CLEANING AND MAINTENANCE



WARNING

Never use a water hose for cleaning. Water can seep into the unit through the ventilation holes of the unit.

Appliances must be disconnected from their power supply during cleaning or maintenance and when replacing parts.



Because of hygiene aspects and optimum condition of the unit it is of utmost importance to keep a daily cleaning pattern from first use onwards.

5.1 Maintenance schedule

Item	Action	Frequency
Inside	<ul style="list-style-type: none"> Clean, see section 5.2. 	Daily
Outside	<ul style="list-style-type: none"> Clean, see section 5.3. Use Stainless Steel cleaning spray to remove stains, and restoring the gloss. 	Weekly
Glass panes	<ul style="list-style-type: none"> Clean Glass panes, see section 5.4. 	Weekly

5.2 Daily Cleaning

- Clean the inside of the unit with hot water and a suitable cleaner.
- After cleaning wipe the inside with a clean wet cloth. Be sure that the detergent is removed properly.

5.3 Weekly Cleaning



WARNING

The control panel may only be cleaned using a damp cloth.

- Clean the outside of the unit with a small amount of hot water and a mild cleanser and using a soft brush or sponge. After cleaning it dry the outside with a cloth.
- Treat all cleaned surfaces with a suitable antibacterial agent.
- Rub dry with a soft cloth or a paper towel.

5.4 Cleaning Glass Panes

Cleaning the top air guide

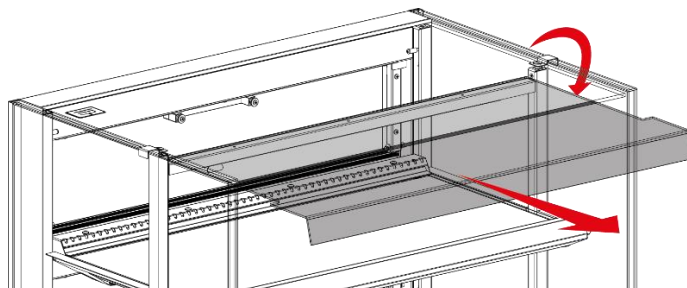


WARNING

Do not use detergents and other cleaning products that may damage polycarbonate. Using inappropriate products to clean may tarnish, scratch or even crack any polycarbonate surfaces.

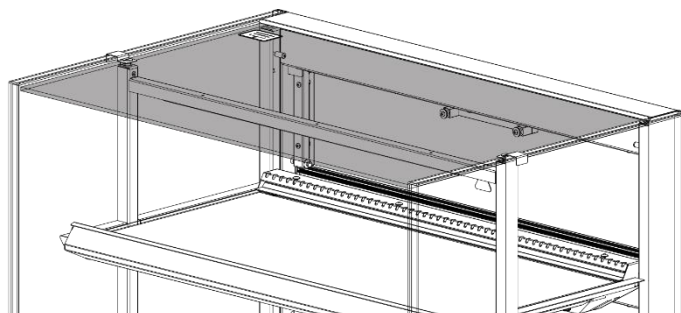
The transparent air guide pane can be removed for cleaning.

- Lift up the back of the top air guide.
- Slide the top air guide out to the front, slightly tilting it down at the end to fully remove it.
- After cleaning, slide the top air guide pane back in its position, making sure it rests on the two pins in the rear columns.



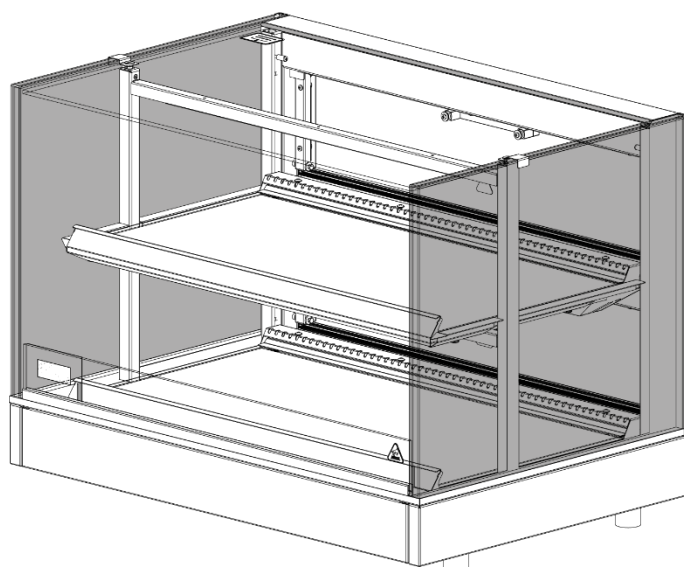
Cleaning the top glass pane

- To clean the inside of the top glass pane, the top air guide needs to be removed.



Cleaning the side double-glass pane

- To clean the inside of the side double-glass panes, the air blockers need to be removed (see section 3.4 for instructions).



6. MALFUNCTIONS AND SERVICE

Before you consult your dealer or the service agency when there is a fault, you can check the following points yourself:

- Is the power supply OK? Check the fuses and the earth leakage switch in the meter cupboard.
- Are all the switches in the correct position?

Item	Malfunction	Possible action
Unit	Unit does not work	<ul style="list-style-type: none"> • Check the power supply. • Are all switches in the correct position?
Unit	Display shows error code	<ul style="list-style-type: none"> • Contact your supplier or service agency.
Unit	Unit does not reach set temperature	<ul style="list-style-type: none"> • Check correct placing air blockers, see section 3.4.
Lamp	Does not light up	<ul style="list-style-type: none"> • Switch ON.
Mains cord	Damaged	<ul style="list-style-type: none"> • Replace, see section 6.1.
Window	Damaged	<ul style="list-style-type: none"> • Replace, contact your supplier or service agency.

6.1 Replace the mains cord



WARNING

Hazardous electrical voltage.

If the power cord is damaged it must be replaced, contact your supplier or service agent.

7. TECHNICAL SPECIFICATIONS



WARNING

Consult the identification plate to get the proper specifications of the unit.
The electrical data may vary from country to country.

Model	MTT 60-2	MTT 90-2
Approved for	EU	EU
Width	600 mm	900 mm
Depth SB model	610 mm	610 mm
Depth PT model	640 mm	640 mm
Height on legs	670 mm	670 mm
Weight Net Approx.	59 kg (SB) 63 kg (PT)	79 kg (SB) 85 kg (PT)
Ambient Temperature	min. 20°C max. 30°C	min. 20°C max. 30°C
Relative humidity	max. 60%	max. 60%
Noise level (at workplace)	<55 dB(A)	<55 dB(A)
Voltage	1N~ 230 V	1N~ 230 V
Frequency	50/60 Hz	50/60 Hz
Max. nominal Current	5.0 A	7.6 A
Plug	2 pole earthed plug 16A	2 pole earthed plug 16A
Length power cord approx.	2 m	2 m

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