

# MAINTENANCE HANDBOOK





## Correct Disposal of This Product (Waste Electrical & Electronic Equipment)

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(Applicable in the European Union and other European countries with separate collection system)

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material sources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

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# 1.0 OPERATING CONDITIONS


## 1.1 GENERAL INFORMATIONS

Our appliances are designed and optimised in order to obtain high performance. This appliance must not be used by people with limited physical, mental or sensory abilities or without experience and knowledge of it, unless instructed in its use by those responsible for their safety.

## 1.2 OPERATING CONDITIONS

 **Do not store pressurised spray bottles bearing the wording “flammable”. Risk of explosion!** The appliance must only be used within the temperature range specified by the manufacturer.

# 2.0 SPECIFICATIONS

Matricola / Serial n°		Modello / Model		Trays		<i>made in Italy</i>	
P. Supply		Frequency		Current			
Abs. Power		Clima Class		IP			
Cool. Cap.		Refrigerant		Quantity			
Blast chilling yield (Kg)			Blast freezing yield (Kg)				
2006/95/CE 2004/108/CE				Ins. HFC 245			
							
13/05674W11030000012138258							

The appliance conforms to European directives as given in detail on the attached **certificate of EC conformity**.

The data are featured on the CE plate inside the appliance.

Model	Voltage	Total Power	Total current demand	Yield (Kg) +65°/+3°C	Yield (Kg) +65°/-18°C	Yield (Kg/h) -10°C/-18°C
<b>W5T</b>	230V/50 Hz	886W	4.9A	<b>14</b>	<b>10</b>	<b>10</b>
<b>W6T</b>	230V/50 Hz	1088W	6.0A	<b>18</b>	<b>14</b>	<b>15</b>
<b>W7T</b>	230V/50 Hz	1096W	6.1A	<b>25</b>	<b>18</b>	<b>20</b>
<b>W10T</b>	400V 3N/50 Hz	3345W	6.2A	<b>40</b>	<b>28</b>	<b>35</b>
<b>W14T</b>	400V 3N/50 Hz	3440W	6.6A	<b>55</b>	<b>35</b>	<b>50</b>
<b>W20T</b>	400V 3N/50 Hz	5590W	16.4A	<b>80</b>	<b>55</b>	-
	400V 3N/50 Hz	6480W	19.0A	<b>115</b>	<b>75</b>	-
<b>W20K</b>	400V 3N/50 Hz	5590W	16.4A	<b>80</b>	<b>55</b>	-
	400V 3N/50 Hz	6480W	19.0A	<b>115</b>	<b>75</b>	-
<b>W40K</b>	400V 3N/50 Hz	6480W	19.0A	<b>120</b>	<b>80</b>	-
	400V 3N/50 Hz	8310W	24.4A	<b>200</b>	<b>140</b>	-

## 3.0 INSTALLATION

### 3.1 INTRODUCTION

The appliance must be used solely for the purpose it was specifically designed for, i.e. for storing food within the temperature range stated by the manufacturer. Understand that any other use shall be considered improper.

 **The Manufacturer declines all responsibility in the event of improper use of the appliance. Installation must be carried out by specialized technical personnel only.**

### 3.2 DAMAGE CHECK

Check all parts of the appliance for damage and that the standard-issue accessories inside are as expected.

### 3.3 CLEANING

Remove the PVC film covering the inside and outside of the appliance. Clean the compartment inside using a sponge damp with lukewarm water.

### 3.4 WORKING CONDITIONS

Make sure the room in which the appliance is installed meets the following conditions:

- Room temperature in the range +5°C to +43°C.
- Positioning away from sources of heat and in a well ventilated area.

### 3.5 LEVELLING


Move the appliance into its final position and adjust the screw-type feet until you have the unit perfectly level. Keep the unit at least 10 cm from the wall for a proper ventilation of the technical compartment.

### 3.6 PUTTING INTO OPERATION

Before connecting to the power mains, make sure:

- Voltage and frequency are in conformity with the working conditions featured on the CE plate inside the appliance: maximum tolerance is  $\pm 10\%$  of the rated value.
- The power supply circuit meets regulations in force.
- The electrical system is fitted with a residual current circuit breaker (automatic cutout).
- Earthing is compulsory.

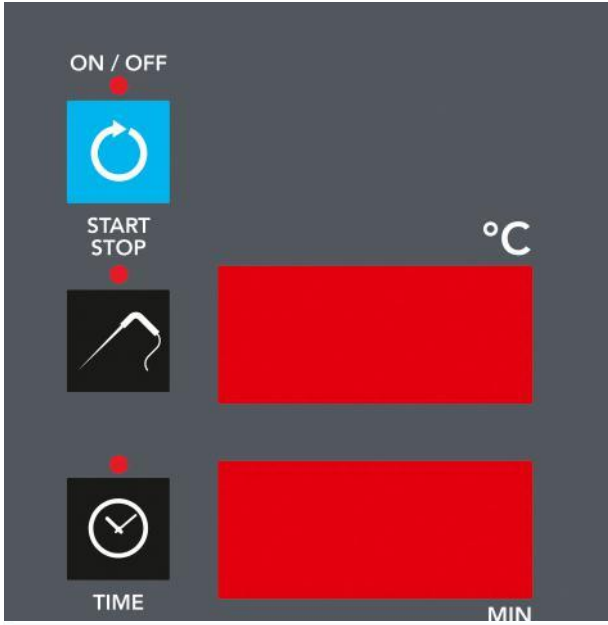
If the appliance is going to be switched off for a length of time, it is best to disconnect its power cord.

 **The manufacturer cannot be held responsible for damage or injury resulting from failure to earth the appliance or inefficient earthing thereof, incorrect installation, tampering, poor maintenance and incompetent use, or resulting from failure to comply with electrical safety standards in force in the country where the appliance is used.**

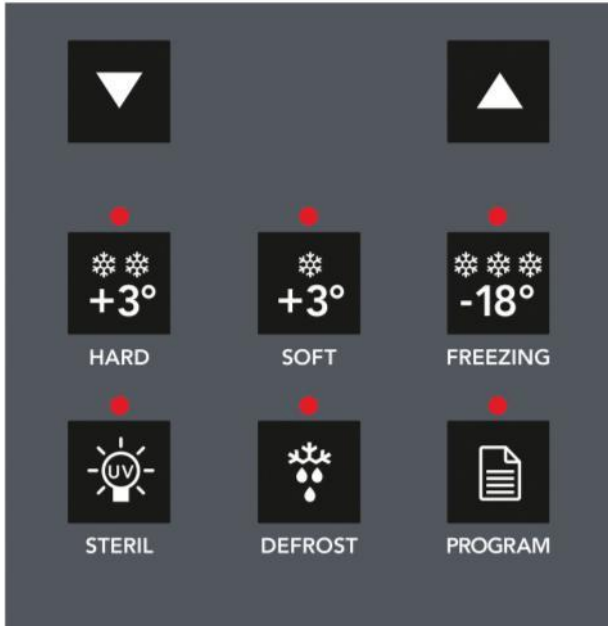
# CONTROL PANEL

Italiano

English



Deutsch



Français

Русский

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On/Off. To switch the instrument off. Start/Stop

View needle temperature

Switch to time-based cycle

Decrease

Increase

Select hard blast chilling cycle

Select soft blast chilling cycle

Select blast freezing cycle

Select sterilization (optional)

Manual defrosting

Select programs



## 5.0 DESCRIPTION OF CYCLES

### 5.1 NOTIONS ON BLAST CHILLING/BLAST FREEZING CYCLES



Soft

**Soft** blast chilling is employed to cool the product quickly to a core temperature of +3°C with a constant air temperature of -2°C

Ideal for delicate, lightweight and thin products: food temperature is lowered quickly but without damaging the outside. The food can be stored for 5/6 days.

Whether dealing with products that are cold or at room temperature, or products that have just been cooked, **blast chilling time from +65°C to +3°C must not exceed 90 minutes.**



Hard

**Hard** blast chilling is employed to cool the product quickly to a core temperature of +3°C with negative air temperature during the first stage (-35°C) and positive temperature during the second stage (0°C). Ideal for products that are dense, have a high fat content, come in large portions or are hard to cool. The food can be stored for 5/6 days.

Whether dealing with products that are cold or at room temperature, or products that have just been cooked, **blast chilling time from +65°C to +3°C must not exceed 90 minutes.**

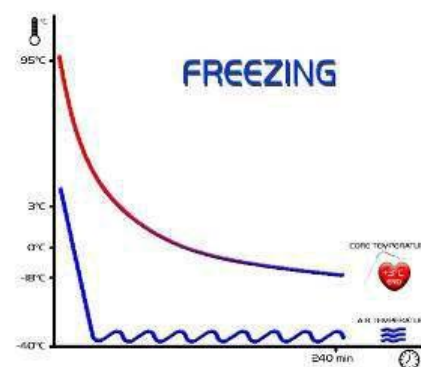
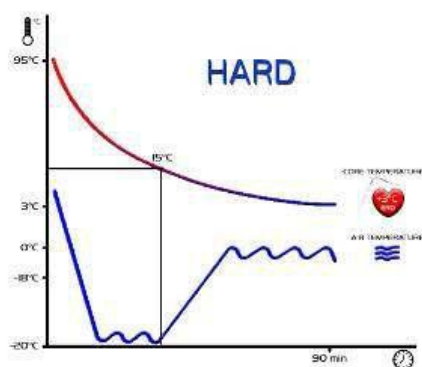
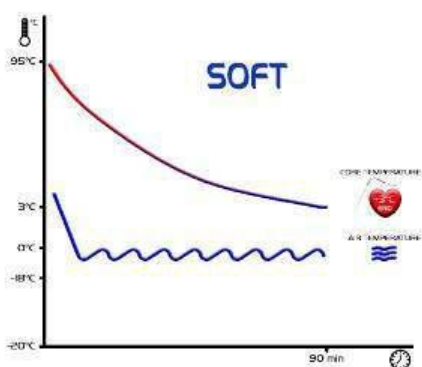


Freezing

**Blast freezing** is employed to freeze the product quickly to a core temperature of -18°C with an air temperature of -38°C

Ideal for increasing storage life of food (weeks or a few months), quick blast freezing preserves the product's original visual, aromatic and flavour properties, and stops macro crystals forming, keeping quality and texture intact.

Whether dealing with products that are cold or at room temperature, or products that have just been cooked, **blast chilling time from +65°C to -18°C must not exceed 240 minutes.**



### 5.2 BLAST CHILLING/BLAST FREEZING MODES

One of two modes can be selected for the blast chilling/blast freezing cycle:



**Temperature**-based using the needle probe



**Time**-based using the timer

### 5.3 HOLDING

At the end of the blast chilling/blast freezing cycle, the appliance automatically switches to holding mode, which continues indefinitely and is only stopped using the manual stop command.

- ▲ Do not use the blast chiller/blast freezer as a normal storage unit.
- ▲ The chilled/frozen product should be kept in a suitable appliance (refrigerator/freezer).

#### Holding temperature at end of cycle


Soft: +3°C    Hard: +3°C    Blast Freezing: -20°C

## 6.0 OPERATIONS

### 6.1 SWITCHING ON/OFF

Once you have turned on the appliance's power, the control panel (3.0) automatically runs a lamp test. The LEDs and displays come on for a few seconds, after which the display switches "OFF" (control panel is off but still powered).

#### Switching on

Hold button  down for a few seconds: the appliance goes into **standby**. During this phase, the machine stands by to receive a command.

Display **DY1** gives the temperature inside the appliance.

Display **DY2** reads "---".

#### Switching off

Hold button  down for a few seconds: the appliance switches "OFF".

Display **DY1** reads "OFF".


Display **DY2** stays off.

### 6.2 BLAST CHILLING/BLAST FREEZING

See points 7.0 and 8.0 for details.

### 6.3 OPENING THE DOOR WHILE A CYCLE IS RUNNING


If the door is opened while a blast chilling/blast freezing cycle is running, the "]-[" code will flash up intermittently on display **DY2** and, at the same time, a buzzer will sound. The compressor and fans inside stop and only restart once the door is closed.

 **The blast chilling/blast freezing cycle cannot be started with the door open. If the door stays open for longer than 30 seconds during the blast chilling/blast freezing cycle, the blast chilling cycle is stopped.**

### 6.4 PUMP DOWN




**Pump-down** is a system designed to protect the compressor and its job is to avoid excessive working pressures during start-up.

#### Stopping the compressor


When button  is pressed to stop a blast chilling, blast freezing or holding cycle manually, the compressor keeps working for **5** more seconds.

### 6.5 TEMPERATURE SENSOR AND NEEDLE PROBE READINGS

While a temperature-based cycle is running, **DY1** indicates **the value** measured by the needle probe. You can


view compartment sensor temperature by pressing the button relating to the cycle selected:  **+3°**,  **+3°** or  **-18°**.

The value is put up on **DY1** for **5** seconds.

While a time-based cycle is running, **DY1** indicates **the value** measured by the compartment sensor. You can view needle probe temperature by pressing button . The value is put up on **DY1** for **5** seconds.

### 6.6 HEATED NEEDLE PROBE (Optional extra)

The heated needle probe (optional extra) has a device that heats its tip, making it easier to pull out of frozen products.

Holding button  down for **5** seconds at the end of a blast freezing cycle turns on heating so that the probe can be easily removed from the frozen product. Heating only comes on if the door is open.

### 6.7 AUTOMATIC DEFROSTING

During operation, frost forms on the surface of the evaporator: this is normal but it reduces evaporator efficiency. The purpose of defrosting is to restore full efficiency. Defrosting is performed automatically:

- At the end of each blast chilling/blast freezing cycle.
- At 6-hour intervals during holding.


The purpose of the evaporator sensor is to produce the utmost efficiency and shorten defrosting times by measuring the end-of-defrosting temperature.

## 6.8 MANUAL DEFROSTING

- ▲ This mode should be used only when further defrosting is required in addition to that performed automatically by the appliance.

### Shortcut commands while in standby mode

Make sure the appliance is working (6.1).

Hold button  down for 5 seconds.

The led by the button comes on, and goes off when cycle ends.

The defrosting cycle stops automatically. How long it takes depends on how much frost there is on the evaporator coil.

Once defrosting has finished, the appliance resumes normal operation.

## 7.0 TEMPERATURE-BASED BLAST CHILLING/BLAST FREEZING












### 7.1 TEMPERATURE-BASED SOFT BLAST CHILLING

The temperature-based **soft** blast chilling cycle is controlled by the needle probe.

### Shortcut commands while in standby mode

<b>1</b>	Soft blast chilling	<b>2</b>	Start
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### Detailed commands sequence:

1. Make sure the appliance is in **standby** mode (6.1).
2. Insert the needle probe in the product to be chilled (10.0).
3. Press button  to select the **soft** blast chilling cycle.
  - The led button  comes on.
  - Display **DY1** gives the setpoint of the air in the compartment (-2°C).
  - Display **DY2** reads “---”.
4. Press button  to start the **soft** blast chilling cycle.
  - The led button  comes on.
  - ▲ The compressor only starts working 5 seconds after key  is pressed (pump-down 6.4).
  - DY1** gives needle probe temperature, and **DY2** the cycle time remaining, counting down from 90 minutes.
    - If you press button  while the cycle is running, you can view the time elapsed since it started.
5. A buzzer sounds to advise that the blast chilling cycle has finished.
6. At the end of the cycle, holding mode starts and continues indefinitely at a holding temperature of +3°C.
  - The led button  flashes.
  - If you press button  during holding time, you can view the time of the cycle just completed to see how long it took.
  - ▲ The holding stage must last only as long as strictly necessary.
7. To exit holding mode, press button .
  - The led button  goes off.
  - ▲ The compressor stops 5 seconds after button  is pressed (pump-down 6.4).

**Important**

- Countdown starts when core temperature measured by the needle probe drops below +65°C.
- When a **soft** blast chilling cycle is started, the compressor works non-stop until air temperature in the compartment reaches -2°C. After this, it can cycle on and off to keep this temperature constant and prevent frost from forming.
- The blast chilling cycle ends when the product's core temperature measured by the needle probe reaches +3°C. The cycle cannot last more than **90 minutes**.















**7.2 TEMPERATURE -BASED HARD BLAST CHILLING**

The temperature-based **hard** blast chilling cycle is controlled by the needle probe.

**Shortcut commands while in standby mode**

<b>1</b>	Hard blast chilling	<b>2</b>	Start
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**Detailed commands sequence:**

1. Make sure the appliance is in **standby** mode (6.1).
2. Insert the needle probe in the product to be chilled (**10.0**).
3. Press button  to select the hard blast chilling cycle.
  - The led button  comes on.
  - Display **DY1** gives the setpoint of the air in the compartment (-35°C).
  - Display **DY2** reads “---”.
4. Press button  to start the hard blast chilling cycle.
  - The led button  comes on.
  -  The compressor only starts working **5** seconds after key  is pressed (pump-down **6.4**).
  - DY1** gives needle probe temperature, and **DY2** the cycle time remaining, counting down from **90** minutes.
    - If you press button  while the cycle is running, you can view the time elapsed since it started.
5. A buzzer sounds to advise that the blast chilling cycle has finished.
6. At the end of the cycle, holding mode starts and continues indefinitely at a holding temperature of +3°C.
  - The led button  flashes.
  - If you press button  during holding time, you can view the time of the cycle just completed to see how long it took.
  -  The holding stage must last only as long as strictly necessary.
7. To exit holding mode, press button .
  - The led button  goes off.
  -  The compressor stops **5** seconds after button  is pressed (pump-down **6.4**).

**Important**

- Countdown starts when core temperature measured by the needle probe drops below +65°C.
- When a **hard** blast chilling cycle is started, the compressor works non-stop until air temperature in the compartment reaches -35°C. After this, it can cycle on and off to keep a constant temperature of -2°C, preventing the formation of frost.
- The blast chilling cycle ends when the product's core temperature measured by the needle probe reaches +3°C. The cycle cannot last more than **90 minutes**.















**7.3 TEMPERATURE -BASED BLAST FREEZING**

The temperature-based blast freezing cycle is controlled by the needle probe.

**Shortcut commands while in standby mode**

<b>1</b>	Blast freezing	<b>2</b>	Start
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**Detailed commands sequence:**

1. Make sure the appliance is in **standby** mode (6.1).
2. Insert the needle probe in the product to be chilled (10.0).
3. Press button  to select the blast freezing cycle.
  - The led button  comes on.
  - Display **DY1** gives the setpoint of the air in the compartment (-38°C).
  - Display **DY2** reads “---”.
4. Press button  to start the blast freezing cycle.
  - The led button  comes on.
  -  The compressor only starts **working 5** seconds after key  is pressed (pump-down 6.4)
  - DY1** gives needle probe temperature, and **DY2** the cycle time remaining, counting down from **240** minutes.
  - If you press button  while the cycle is running, you can view the time elapsed since it started.
5. A buzzer sounds to advise that the blast chilling cycle has finished.
6. At the end of the cycle, holding mode starts and continues indefinitely at a holding temperature of **-20°C**.
  - The led button  flashes.
  - If you press button  during holding time, you can view the time of the cycle just completed to see how long it took.
  -  The holding stage must last only as long as strictly necessary.
7. To exit holding mode, press button .
  - The led button  goes off.
  -  The compressor stops **5** seconds after button  is pressed (pump-down 6.4).

**Important**

- Countdown starts when core temperature measured by the needle probe drops below +65°C.
- When a blast freezing cycle is started, the compressor works non-stop until air temperature in the compartment reaches **-38°C**. After this, it can cycle on and off to keep this temperature constant.
- The blast freezing cycle ends when the product's core temperature measured by the needle probe reaches **-18°C**. The cycle cannot last more than **240 minutes**.

## 8.0 TIME-BASED BLAST CHILLING/BLAST FREEZING



### 8.1 TIME-BASED SOFT BLAST CHILLING
















The time-based **soft** blast chilling cycle is controlled by the timer.

**Shortcut commands while in standby mode**

<b>1</b>	Soft blast chilling	<b>2</b>	Time-based cycle	<b>3</b>	Start
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**Detailed commands sequence:**

1. Make sure the appliance is in **standby** mode (6.1).
2. Press button  to select the **soft** blast chilling cycle.
  - The led button  comes on.
  - Display **DY1** gives the setpoint of the air in the compartment (-2°C).

- Display **DY2** reads “---”.
- 3. Press button  to select a time-based cycle.
- 4. Use buttons  and  to set the desired cycle time.
- 5. Press button  to start the soft blast chilling cycle.
  - The led button  comes on.
  -  The compressor only starts working **5** seconds after key  is pressed (pump-down **6.4**).
  - DY1** gives room probe temperature, **DY2** the cycle time remaining.
  - If you press button  while the cycle is running, you can view the time elapsed since it started.
- 6. A buzzer sounds to advise that the blast chilling cycle has finished.
- 7. At the end of the cycle, holding mode starts and continues indefinitely at a holding temperature of **+3°C**.
  - The led button  flashes.
  - If you press button  during holding time, you can view the time of the cycle just completed to see how long it took.
  -  The holding stage must last only as long as strictly necessary.
- 8. To exit holding mode, press button .
  - The led button  goes off.
  -  The compressor stops **5** seconds after button  is pressed (pump-down **6.4**).

### Important

- When a **soft** blast chilling cycle is started, the compressor works non-stop until air temperature in the compartment reaches **-2°C**. After this, it can cycle on and off to keep this temperature constant and prevent frost from forming.
- The blast chilling cycle ends when the timer completes the countdown.












## 8.2 TIME -BASED HARD BLAST CHILLING

The time-based **hard** blast chilling cycle is controlled by the timer.







### Shortcut commands while in standby mode

<b>1</b>  <b>+3°</b> Hard blast chilling	<b>2</b>  Time-based cycle	<b>3</b>  Start
---	---	--

### Detailed commands sequence:

1. Make sure the appliance is in **standby** mode (6.1).
2. Press button  to select the hard blast chilling cycle.
  - The led button  comes on.
  - Display **DY1** gives the setpoint of the air in the compartment (**-35°C**).
  - Display **DY2** reads “---”.
3. Press button  to select a time-based cycle.
4. Use buttons  and  to set the desired cycle time.
5. Press button  to start the hard blast chilling cycle.
  - The led button  comes on.
  -  The compressor only starts working **5** seconds after key  is pressed (pump-down **6.4**).
  - DY1** gives room probe temperature, **DY2** the cycle time remaining.
  - If you press button  while the cycle is running, you can view the time elapsed since it started.
6. A buzzer sounds to advise that the blast chilling cycle has finished.
7. At the end of the cycle, holding mode starts and continues indefinitely at a holding temperature of **+3°C**.
  - The led button  flashes.



- If you press button  during holding time, you can view the time of the cycle just completed to see how long it took.
  -  The holding stage must last only as long as strictly necessary.
8. To exit holding mode, press button .
- The led button  goes off.
  -  The compressor stops **5** seconds after button  is pressed (pump-down **6.4**).

### Important

- When a **hard** blast chilling cycle is started, the compressor works non-stop until air temperature in the compartment reaches **-35°C**. After this, it can cycle on and off to keep a constant temperature of **-2°C**, preventing the formation of frost.
- The blast chilling cycle ends when the timer completes the countdown.


















## 8.3 TIME -BASED BLAST FREEZING

The time-based blast freezing cycle is controlled by the timer.

### Shortcut commands while in standby mode



### Detailed commands sequence:

1. Make sure the appliance is in **standby** mode (6.1).
2. Press button  to select the blast freezing cycle.
  - The led button  comes on.
  - Display **DY1** gives the setpoint of the air in the compartment (**-38°C**).
  - Display **DY2** reads “---”.
3. Press button  to select a time-based cycle.
4. Use buttons  and  to set the desired cycle time.
5. Press button  to start the blast freezing cycle.
  - The led button  comes on.
  -  The compressor only starts working **5** seconds after key  is pressed (pump-down **6.4**).
  - DY1** gives room probe temperature, **DY2** the cycle time remaining.
  - If you press button  while the cycle is running, you can view the time elapsed since it started.
6. A buzzer sounds to advise that the blast chilling cycle has finished.
7. At the end of the cycle, holding mode starts and continues indefinitely at a holding temperature of **-20°C**.
  - The led button  flashes.
  - If you press button  during holding time, you can view the time of the cycle just completed to see how long it took.
  -  The holding stage must last only as long as strictly necessary.
8. To exit holding mode, press button .
  - The led button  goes off.
  -  The compressor stops **5** seconds after button  is pressed (pump-down **6.4**).

### Important

- When a blast freezing cycle is started, the compressor works non-stop until air temperature in the compartment reaches **-38°C**. After this, it can cycle on and off to keep this temperature constant.
- The blast freezing cycle ends when the timer completes the countdown.


## 9.0 PROGRAMS

### 9.1 CREATING A NEW PROGRAM














If the product comes in small portions, the needle probe cannot be used and, moreover, cooling is quick and will take much less than the maximum time. In such cases, it is a good idea to store a program with a predefined time.

Using the programs feature, you can store up to **99** customized blast chilling/blast freezing cycles, with a time preset by the user for each.

#### Shortcut commands while in standby mode



1	Soft blast chilling	1	Hard blast chilling	1	Blast freezing
2	Time-based cycle				
3	Select time	3	Select time		
4	 Save				

#### Detailed commands sequence:

1. Make sure the appliance is in **standby** mode (6.1).
2. Select a soft or hard blast chilling cycle or blast freezing cycle by pressing button ,  or  respectively.
3. Press button  to select a time-based cycle.
4. Use buttons  and  to set the desired cycle time.
5. Hold button  down for **5** seconds to enter the program menu.
  - **DY1** reads «P1»; **DY2** shows the **default** cycle time or «P1» if it has already been saved before.
6. Use buttons  and  to select the number of the available program.
  - Led ,  or  lights to indicate the kind of cycle the program refers to.
7. Hold button  down for **5** seconds to store cycle in the memory.





### 9.2 CALLING UP AN EXISTING PROGRAM

#### Shortcut commands while in standby mode

1	 Programs		
2	Select program	2	Select program
3	 Start		



### Detailed commands sequence:

1. Make sure the appliance is in **standby** mode (6.1).
2. Press button  to call up an existing program.
  - **DY1** reads “P1”.
3. Use buttons  and  to select the number of the available program.
4. Press button  to start the blast chilling/blast freezing cycle.

## 10.0 HACCP ELECTRONIC RECORDER (optional)

The electronic recorder is connected directly to the main control panel. It is used to record and produce a paper printout of temperature and time data relating to the blast chilling and blast freezing cycles.



**Maximum roll dimensions:** carta termica 58×Ø30 mm.


**Print width:** 48 mm.

**Number of dots per line:** 384.


**Print density:** 8 punti per mm.

**Serial communication:** RS485.





### Switching on/off

1. To switch the instrument on/off, press the  button.


### Manual paper feed

1. To feed the paper through manually, press the  button.

### Replacing paper

1. Switch the instrument off using the  button.
  - The led button  comes on.
2. Open the front using the  button.
3. Insert the roll of paper under the roller.
4. Hold the  button down until the roller starts pulling the roll of paper.
5. Position the roll of paper in the relevant slot.
6. Close the front.

### Print test

1. Switch off the instrument.
2. Press the  button.
3. Switch the instrument on.

## 11.0 OPERATING TIPS AND WARNINGS

### Pre-cooling

1  +3° Soft blast chilling

2  Start

Before blast chilling/blast freezing, it is best to pre-cool the compartment by running a temperature-based soft cycle.

 Avoid opening the doors while a blast chilling/blast freezing cycle is running.

### Core temperature probe



To achieve best operation, the needle probe must be positioned in the centre of the product.

⚠ Make sure the probe tip does not poke through the product or touch the pan.

⚠ Do not insert the probe into food at temperatures exceeding 100 ° C to avoid damaging the sensor. Leave the first diluting the product for a few minutes in ambient.

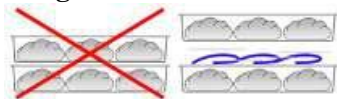
### Arranging products on pans



Use shallow pans so that the product surface has better contact with the air.

Arrange the products not overlapping on each other.

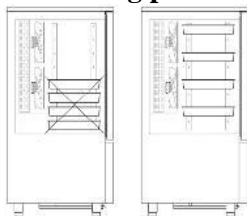
### Filling the unit



Leave at least a **2cm** gap between one pan and the next so as to allow sufficient airflow.

⚠ Do not cover containers with lids of any kind.

### Distributing pans



When the unit is being partially filled, spread the pans out evenly so that they use the full height.

⚠ Do not leave hot products inside the compartment without running the cycle.

### Cycle di sterilization UV



1

Sterilization UV

Before you start the sterilization cycle, connect the lamp to the socket on the dashboard, put it inside the compartment to be sterilized, close the door and start the cycle with the appropriate button.

⚠ Don't open the door during the sterilization cycle as UV rays generated by the lamp can be harmful to the skin.

### Defrost with remote system



1

Defrost

In models with remote system we suggest to make a manual defrost after each chilling/freezing cycle. ⚠ To make efficient defrost make sure that the deviance is in standby, open the door and press the appropriate button.

⚠ **The appliance features a tray at the bottom to catch water produced by defrosting. Empty the water out of it at regular intervals.**

## 12.0 ALARMS

Each visual alarm warning is associated with an audible warning.

You can silence the buzzer by pressing button .

### “E0” flashing; **compartment sensor error.**

- Tells you that compartment sensor is faulty or is not connected properly.
- If the alarm occurs during a blast chilling/blast freezing cycle, the cycle is stopped and the control panel goes into “standby”.
  
- If the alarm occurs during a holding stage, the compressor cycles on and off, at preset time intervals, to ensure products are preserved properly until the problem is solved.
- No blast chilling/blast freezing cycle can be started.
- Remedies:**
  - Check the integrity of the probe and the connection to the power board.
  - Replace the sensor type PTC.

### “E1” flashing **evaporator probe error.**

- Tells you that evaporator probe is faulty or is not connected properly.
- The defrost will always have the maximum set.
- The fan is only active while the compressor.
- Remedies:**
  - Check the integrity of the probe and the connection to the power board.
  - Replace the sensor type PTC.


### “E3” flashing; **needle probe error.**

- Tells you that needle probe is faulty or is not connected properly.
- A temperature-based blast chilling/blast freezing cycle cannot be started with “E3” alarm active, but a time-based blast chilling/blast freezing cycle can be started even with “E3” alarm active.
- Remedies:**
  - Check the integrity of the probe and the connection to the power board.
  - Replace the sensor type PTC.


### “]-[” flashing; **door open.**

- Warns that the door has been opened while a blast chilling/blast freezing cycle is running.
- Compressor and fans stop.

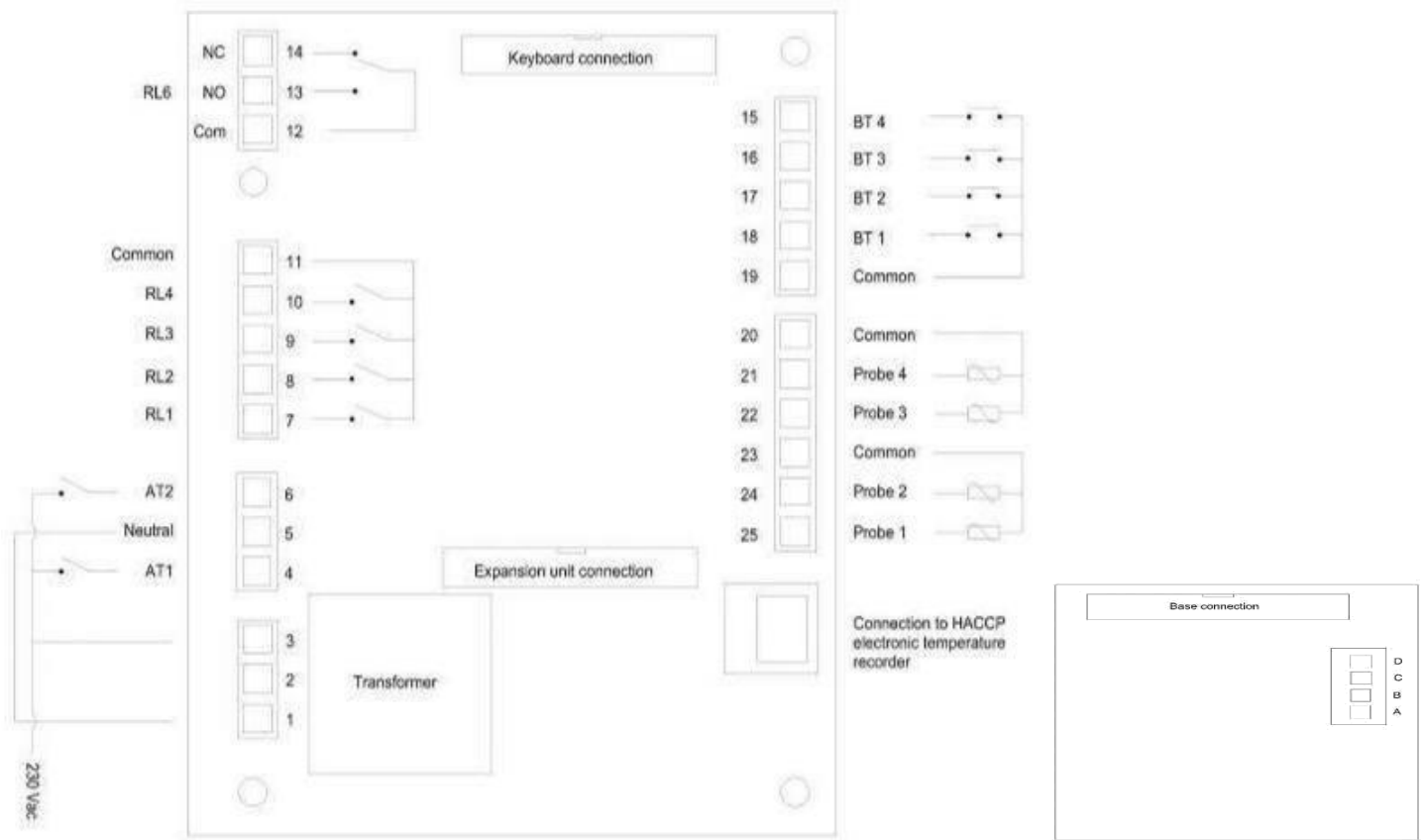
### “HP” flashing; **high pressure.**

- Reports excessive pressure in refrigerating circuit.
- Compressor and fans stop.
- No blast chilling/blast freezing cycle can be started.
- Remedies:**
  - Not to introduce the product with too high temperature above 100 ° C, allow for venting in a few minutes before to insert in the blast chiller.
  - Ensure that there is sufficient space between the back and blast the wall (at least 15-20 cm) prevent backflow of air cooling.
  - Check the cleanliness of the grid on the front of the condenser unit, which may remove impurities with a vacuum cleaner/brush.
-  If alarm persists, contact assistance department.

### “rES” flashing; **reset.**

- Tells you that the power supply has been cut out during a blast chilling/freezing cycle.
- When the power supply problem will be solved, the machine will resume the cycle showing “rES” on display
- Push button  to clear “rES”.

# 13.0 CONNECTION DIAGRAM



1-3	230 V power supply
4-5-6	Not used
10-11	Compressor management output
9-11	Pump-down solenoid valve management output
8-11	Evaporator fan management output
7-11	Defrost management output
12-13-14	UV lamp management output (optional)
15-19	Low pressure alarm digital input (not used)
16-19	Compressor thermal cutout alarm digital input (not used)
17-19	Door microswitch digital input
18-19	High pressure alarm digital input
20-21	PTC input (not used)
20-22	Core probe PTC input
23-24	Evaporator sensor PTC input
23-25	Compartment sensor PTC input
A-B	Heated probe input (optional)
C-D	12V~40VA power supply (optional)

⚠ The expansion board is only fitted in the event the appliance features the heated needle probe.


## 14.0 MAINTENANCE AND CLEANING

Routine maintenance work can be carried out by non-specialized personnel, following the instructions given below to the letter.

 **Before performing any maintenance or cleaning work, disconnect the appliance from the power mains.**

### 14.1 CLEANING THE APPLIANCE

You can wash the inside and outside using a sponge damp with lukewarm water and detergents with a non-aggressive chemical formula. Once you have finished cleaning, dry with a soft, dry cloth. You are advised to apply polishing products on outer surfaces only.

 **Do not wash the appliance with jets of water. Do not use scouring pastes or steel wool.**


### 14.2 CLEANING THE CONDENSER

To keep the appliance working efficiently at all times, clean the condenser at regular intervals. To do this, use a brush with soft bristles or a vacuum cleaner, being careful not to bend the aluminium fins.

 **The condenser features sharp edges. Wear protective gloves when cleaning.**



#### **In models with built-in condenser:**

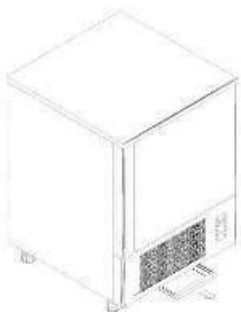
1. To get to the condenser, loosen 4 screws at the instrument panel's 4 corners with a screwdriver, without removing them completely.
2. Pull the instrument panel down by 2 cm until it is released from its housing.
3. Tirare Pull the panel off from the front to disconnect it from the cabinet.
4.  Put the panel down, being careful not to pull the interface's electrical cables taut.
5. Refit the instrument panel once you have finished cleaning.

#### **Nei modelli con unità condensante remota:**

1. Remove grille protecting the condenser (where fitted).
2. Perform cleaning.


### 14.3 EMPTYING CONDENSATION

The appliance features a tray to catch water produced by defrosting. This tray must be emptied at regular intervals.



#### **Emptying condensation:**

1. Pull the tray out from the front.
2. Empty the water in the tray.
3. Fit the tray back into its original position.

 **The data herein refer to items currently being produced. The manufacturer reserves the right to make changes at any time as the manufacturer shall see fit to improve products, advising thereof only with the reprinting of this manual.**



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