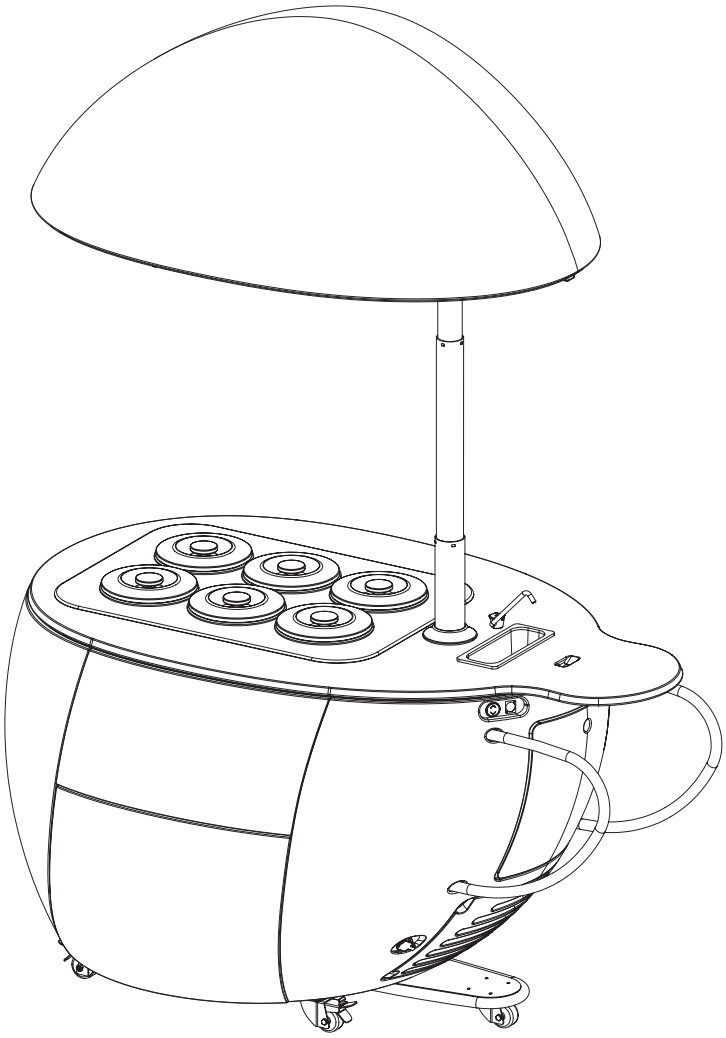
BERRY



ISA S.p.A.
Via Madonna di Campagna 123 - 06083 Bastia Umbra PG - Italy
T. +39 075 801 71 - F. +39 075 800 09 00 - E. customerservice@isaitaly.com
www.isaitaly.com

Sistema di Qualità ISO 9001 Cert. CISQ/CSQ 9130.TAIF
Sistema di Qualità ISO 14001 Cert. CIS ECO ISO 9191.ISA3
ECOLOGY PROJECT HCFC 100% FREE ISA
CO_2 100% Green generation

ATTACHMENT

The manual contains symbols to attract the reader's attention and highlight particularly important aspects. The table below illustrates the meaning of the various symbols used.

	Read the instructions manual		Use of protective clothing
	Danger: Live electrical parts		Requests for maintenance or operations must be carried out by qualified staff or technical after-sales centres.
	Attention / Danger		Important information
	Information		Operations that must be performed by two persons.
	Visual observation		Notes / Important notes
UCA	Condensing unit on board	UCR	Remote condensing unit

1. NOTES / IMPORTANT NOTES

The content of this manual is of technical nature and is owned by **ISA**. It is forbidden to reproduce, circulate or modify all or part of its content without written consent. Any infringement will be legally pursued.

The manual and the conformity certificate are an integral part of the equipment and should always accompany the product in the event of a transfer to a new location or to a new owner. The user is responsible for the integrity of these documents, for their consultation and during the whole life cycle of the equipment itself. Keep this manual in a safe place. It should be available for consultation near the equipment at all times. If lost or destroyed, you can request a copy of the manual from **ISA** by specifying the exact model, serial number and year of manufacture. The manual reflects the manufacturing technology at the time of supply. The manufacturer reserves the right to modify its products in any way it deems necessary, with no obligation to update manuals and machines relating to previous manufacturing batches.

This equipment is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities or by persons lacking the necessary experience and knowledge, unless they are supervised by a person responsible for their safety who has instructed them on how to use the equipment. Children should be supervised to ensure that they do not play with the equipment. Always refer to this manual before going ahead with any operation. Before doing any type of work, disconnect the equipment from the power supply. Any work on electric and electronic parts or cooling system components should only be carried out by trained personnel in compliance with current laws.

Always refer to this manual before taking any action. Before attempting any intervention disconnect the equipment from the power supply. Work on parts, electronic components or the refrigeration system must be carried out by qualified personnel, in full compliance with the regulations.

The Manufacturer cannot be held liable for any injury to persons or animals, or damage to the product itself in the event of:

- Improper use of the equipment or use of the appliance by unqualified or unauthorised personnel.
- Failure to comply with current legislation.
- Incorrect installation and/or power supply faults.
- Failure to observe the instructions contained in this manual.
- Failure to follow the maintenance programme.
- Unauthorised modifications.
- Installation of non-original spare parts in the equipment.

1. NOTES / IMPORTANT NOTES

- Installation and use of the equipment for purposes other than those for which the appliance was designed and sold.
- Tampering with or damage to the power supply cable.

Liability for applying the safety instructions contained in this manual is held by the technical personnel responsible for the intended use of the equipment, who should ensure that authorised personnel:

- Are qualified to carry out the requested activity.
- Are aware of, and carefully comply with, the instructions contained in this document.
- Are aware of, and apply, the general safety standards applicable to the equipment.

The buyer is responsible for training personnel using the appliance on the risks, safety devices and general health and safety rules required by the laws of the country where the appliance is installed.
Users/operators should be aware of the position of all the controls and how they work, as well as of the features of the appliance.
They should also read this manual in its entirely.
Maintenance work should be conducted by qualified personnel after the appliance has been prepared adequately.

Danger

Unauthorised tampering or replacement of one or more parts of the appliance, use of accessories that modify the use of the same and use of spare parts different to those recommended, can become the cause of injury.

Danger

Any work conducted on the on the appliance **must** involve disconnection from the power socket and in any case, none of the protective elements (grid, casing) should be removed by non-qualified staff. The appliance should not be operated when these protective elements have been removed.

Note

In order not to compromise functionality and safety of the appliance, the particularly complex installation and maintenance activities are not documented in this manual and are performed by specialised **ISA** technicians.

1. NOTES / IMPORTANT NOTES

Never use electric devices inside this appliance. Do not use mechanical or other means to accelerate the defrosting process, other than recommended by the manufacturer. Keep the air vents in the casing of the appliance or in the structure built into the wall free of obstructions. Do not damage the refrigerant circuit.

RISK OF EXPLOSION

Do not store in the equipment products which contain flammable propellants and explosives.

R744 - REFRIGERANT (WHERE APPLICABLE)

The refrigerant **R744** is a gas that is compatible with the environment. Pay close attention during transport, installation and that the destruction not to damage the refrigerant pipelines.

IN THE EVENT OF DAMAGE:
Keep away from the flame or ignition sources. Properly ventilate the premises for a few minutes. Turn the unit off, pull the plug. Inform customer support service.

WARNING
The refrigerant system is **High Pressure**.

Do not tamper with the system, but call a specialised and qualified technician before disassembly.

ATTENTION
Maintenance must be performed exclusively by qualified staff.

1. NOTES / IMPORTANT NOTES

R290 - REFRIGERANT (WHERE APPLICABLE)

The refrigerant **R290** is a gas that is compatible with the environment, but **highly flammable**.
Pay close attention during transport, installation and that the destruction not to damage the refrigerant pipelines.

IN THE EVENT OF DAMAGE:
Keep flames or sources of ignition away from the appliance. Properly ventilate the premises for a few minutes. Turn the unit off, pull the plug. Inform customer support service. The more refrigerant containing an appliance, the greater must be the environment in which there is the unit. In areas too small, in the event of leakage can form a flammable mixture of air and gas. **The volume of the room where the appliance is installed must be at least 19 m³ for each cooling system present in the room**.

ATTENTION
Maintenance must be performed by qualified personnel that has been to work with flammable refrigerants.

R600a - REFRIGERANT (WHERE APPLICABLE)

The refrigerant **R600a** is a gas that is compatible with the environment, but **highly flammable**.
Pay close attention during transport, installation and that the destruction not to damage the refrigerant pipelines.

IN THE EVENT OF DAMAGE:
Keep flames or sources of ignition away from the appliance. Properly ventilate the premises for a few minutes. Turn the unit off, pull the plug. Inform customer support service. The more refrigerant containing an appliance, the greater must be the environment in which there is the unit. In areas too small, in the event of leakage can form a flammable mixture of air and gas. **The volume of the room where the appliance is installed must be at least 17 m³ for each cooling system present in the room**.

ATTENTION
Maintenance must be performed by qualified personnel that has been to work with flammable refrigerants.

---

1. NOTES / IMPORTANT NOTES

STAFF TRAINING

The buyer is responsible for ensuring personnel who will use the appliance and maintenance technical staff are instructed and trained adequately. The manufacturer is available for advice, clarifications, etc. so that the operator and technical staff can use the appliance correctly. To ensure the operator's safety, appliance devices should be kept in constant working order. This manual is intended to illustrate the use and maintenance of the appliance. The operator has a responsibility and duty to carefully observe the instructions contained within it.

Failure to comply with safety standards may result in injury to personnel and damage to the equipment components and control unit. The user can contact the dealer to request additional information not contained in this document, or suggest improvements, at any time.

Before the product is delivered to the customer, it is essential that a **trained technical member of staff** checks that the appliance is operating correctly in order to achieve maximum performance.

INTRODUCTION

ISA employs materials of the best quality and as they enter the company, we constantly monitor their storage and the use as part of the manufacturing process to prevent damage, deterioration and failure. All manufacturing elements are designed and manufactured in order to guarantee reliability and high safety standards. All appliances are subjected to a strict testing procedure before delivery. However, please bear in mind that product performance over time depends on correct use and adequate maintenance. This manual contains the necessary instructions to maintain the appliance's initial appearance and functions over time.

The Use and Maintenance manual contains the necessary information for understanding how the appliance works and how to use it properly, namely: the technical description of the various operational units, equipment and safety systems, operations, how to use the instruments and the interpretation of any diagnostics reports, main procedures and information relating to routine maintenance. For correct use of the appliance, the working environment should comply with current health and safety standards.

1. NOTES / IMPORTANT NOTES

The safety requirements, indications, standards and notes illustrated in the various chapters of the manual are aimed at establishing a code of conduct and a series of obligations to be observed when performing the various activities, in order to create safe conditions for personnel, the equipment and the surrounding environment. The safety standards reported in this document are intended for trained, authorised personnel responsible for:

- Transport
- Installation
- Operation
- Management
- Maintenance
- Cleaning
- Putting out of order
- Disposal

Attention

Reading this manual, albeit in full, is no substitute for adequate user experience. therefore it should only be considered a useful reminder of the technical features and the main operations to perform.

Note

The installers and users must read and understand the instructions contained herein before any operation on the appliance.

2. MANUFACTURER

ISA S.p.A.

Via Madonna di Campagna 123
06083 Bastia Umbra PG - Italy

T. +39 075 801 71
F. +39 075 800 09 00

E. customerservice@isaitaly.com

www.isaitaly.com

3. WARRANTY TERMS AND CONDITIONS

The seller's warranty on the equipment is valid for **12** (TWELVE) **months from the date of delivery**.

The warranty includes repairs or replacements of any faulty parts due to manufacturing processes or installation after written communication has been received, stating the appliance serial number and date of installation.

Not included in the warranty:

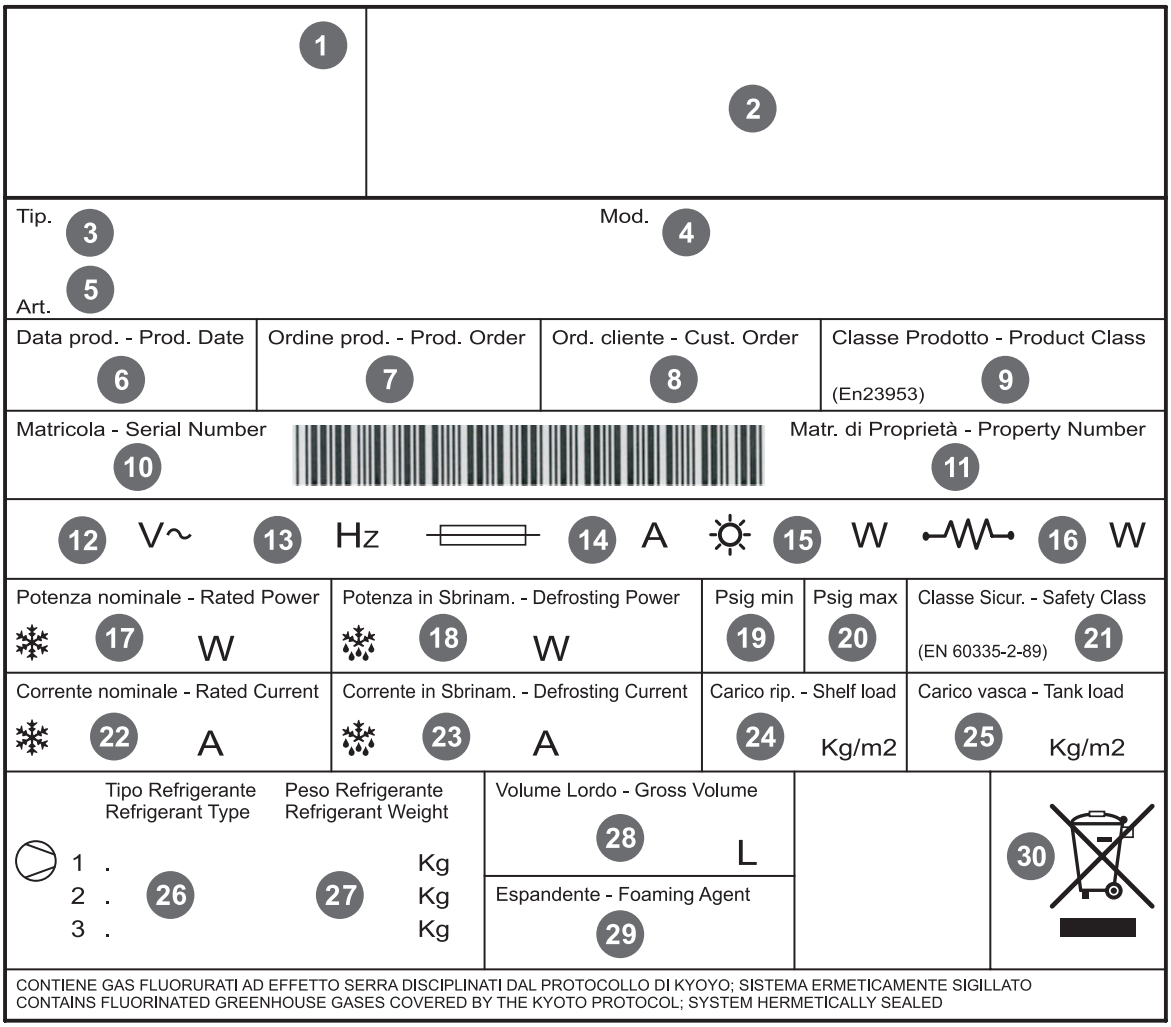
- all defects caused by incorrect use of the appliance
- all defects caused by incorrect electrical connection
- all defects caused by normal wear (for instance compressor failure and fluorescent lamp malfunctioning that is not due to manufacturing defects)
- calls for installation, technical instructions, adjustments and cleaning the condenser

If the seller's technical staff detect any tampering, unauthorised repairs or inappropriate use of appliance the warranty will be invalidated.
Shipment of components covered by the warranty is freight collect only.
Any damage to the appliance detected at the time of delivery due to transport must be reported on the same shipping note to claim compensation from the carrier.

The seller cannot be held liable in the event of damage to the preserved product due to appliance failure

4. EQUIPMENT IDENTIFICATION

- Find the label affixed on the machine to read the technical data.
- Check the machine model and the power supply voltage before you perform any operation.
- If you uncover mismatches, contact the manufacturer or the company that supplied the machine immediately.



1	Identification of the Company Product Manager	16	Electrical resistance absorption
2	Symbols of Compliance	17	Nominal power at normal operation
3	Type	18	Power in defrosting
4	Model Name	19	Minimum pressure
5	Article	20	Maximum pressure
6	Manufacturing Date	21	Safety class
7	Production order	22	Nominal current
8	Customer order	23	Current during defrosting
9	Product class	24	Shelf load
10	Serial number	25	Tank loading
11	Owner registration number	26	Type of coolant
12	Power supply voltage	27	Weight of coolant
13	Power supply frequency	28	Gross volume
14	Fuse Value	29	Expanding isolation agent
15	Lamp Power	30	WEEE Mark

5. USE

This appliance is exclusively intended to:

DISPLAY AND SELL SPREADABLE ICE CREAM

The manufacturer is not liable for injury to persons or damage to property or the appliance itself caused by the displaying of products other than those described above.

THE APPLIANCE IS INTENDED FOR PROFESSIONAL USE.

Uses not allowed

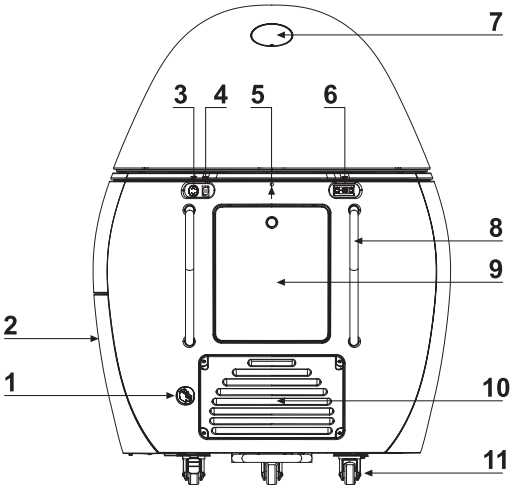
- Food preservation.
- Displaying and/or preserving non-food products (chemicals, pharmaceuticals, etc...).

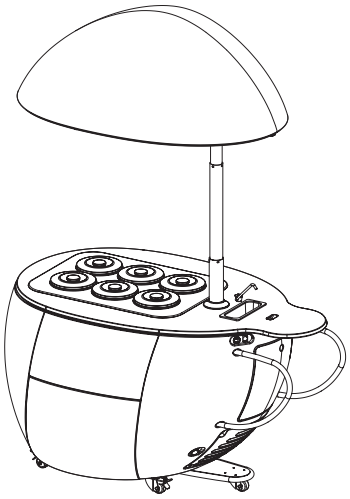
5.1 COMPOSITION

The appliance is made up from a unique cabinet, onto which all devices necessary to make it a professional and efficient product for its declared use, are installed.

The appliance is made up from:

- Cooling system at Induction Refrigeration.
- Condensing unit on board (UCA) - Maintenance FREE.
- Electric system.
- Insulated monolithic structure in ecological polyurethane.
- Automatic defrost.
- Dome automatically lifted by electric actuator.
- Lighting LED.
- Ice cream scoop washing tap.
- Water tank.





1	PLUG POWER CABLE
2	DRAWER SIDE STORAGE
3	LIFTING BUTTON DOME
4	JACK CABLE CHARGING ELECTRIC LIGHTING
5	JACK SHUKO FOR ELECTRIC UTILITY
6	ELECTRONIC CONTROL UNIT
7	DOME ADJUSTMENT
8	HANDLES FOR MANUAL HANDLING
9	COMPARTMENT TANKS WATER AND ELECTRIC PANEL
10	COMPARTMENT CONDENSING UNIT
11	PIVOTING WHEEL WITH LOCK BRAKE

6. SAFETY

The equipment is fitted with safety devices. Purchaser must instruct the user to staff about the risks, the safety devices and the general rules regarding safety provided for by the legislation of the country where the equipment is installed. Users / operators must be aware of the position and operation of all controls and of the equipment characteristics; they shall also have fully read this manual.

6.1 SAFETY DEVICES PRESENT

Devices whose operation prevents the occurrence of risk situations in operating conditions (e.g. fuses, pressure switches, protections, magnet circuit breakers, etc.).

6.2 FIXED PROTECTIONS

Fixed protective devices consist of fixed perimeter shields, which are used to prevent external parts from entering the equipment.

Danger
It is prohibited to re-start the appliance following maintenance without having correctly restores the panels.

Visual Check
You should check the integrity of fixed panels and corresponding fixings to the frame, focussing in particular on the protective panels.

6.3 ISOLATING THE ELECTRIC POWER SUPPLY

Before conducting any maintenance work on the equipment or part of it, it is necessary to section the power supply that powers it.

Danger
In the event of maintenance operations in which the operator cannot prevent accidental closure of the circuit by others, to totally disconnect the appliance from the mains electricity.

6.4 RESIDUAL RISKS

During design the manufacturer examined all the areas or parts at risk. Therefore, all necessary precautions have been taken to prevent risks to persons and damage to the appliance.

Attention
Periodically check that all safety devices are operating correctly.
Do not remove the fixed guards.
Do not introduce objects or tools into the work area.

Although the appliance is fitted with the safety devices prepared, there are still some risks that cannot be eliminated, but reduced via corrective actions by the final integrator and correct operational procedures.

Below is a summary of the risks that remain in the equipment in the following stages:

- Normal operation
- Adjusting and set up
- Maintenance
- Cleaning

6.5 RISKS OF CONTACT WITH LIVE PARTS

Risk of breaking or damaging the electrical components of the appliance, with a possible reduction in safety levels, following a short circuit.
Before connecting the electricity supply, make sure there is no ongoing maintenance work.

Attention
Before making the connection, check that the d.c. current in the installation point does not exceed that indicated on the protections switches present in the electric control board. If this is not the case, the user must envision the relevant limiting devices.
It is strictly forbidden to conduct any electrical modification, in order to prevent additional unforeseen hazards and risks.

6.6 FIRE

Danger
In the event of a fire, immediately disconnect the master switch from the main power supply line.

6.7 EXPLOSIVE ATMOSPHERE

The equipment must not be located in an area classified as an explosion risk according to 1999/92/EC such as:

Zone 0
An area in which there is a permanent, long-lasting or frequently explosive atmosphere made up of a mixture of air and flammable substances in the form of gases, fumes or steam.

Zone 1
An area in which the formation of an explosive atmosphere, made up of a mixture of air and flammable substances in the form of gases, fumes or steam is occasionally probable during normal activities.

Zone 20
An area in which there is a permanent, long-lasting or frequently explosive atmosphere in the form of clouds of combustible dust in the air.

Zone 21
An area in which the formation of an explosive atmosphere in the form of clouds of combustible dust is occasionally probable during normal activities.

6.8 SLIPPING

Any leaks in the areas surrounding the appliance may cause personnel to slip.
Check that there are no leaks and keep these areas clean at all times.

6.9 TRIPPING

Generally untidy deposits of material may constitute a tripping hazard and a total or partial obstruction of emergency exit routes.
Ensure that operating and transit areas and emergency exit routes are free from obstacles in compliance with current legislation.

6.10 CIRCUIT FAULTS

Owing to potential faults, safety circuits may become less effective, which results in lower safety levels.
You should check the operational condition of the appliance devices regularly.

6.11 WARNING SIGNS (IF ANY)

The appliance is fitted with warning danger, warning and obligation signs defined in agreement with the Standard relative to the graphical signs to be used on plants.
The signs are located in clearly visible positions.

Attention
The warning plates present on the appliance must not be removed.
The user is responsible for replacing warning signs that, owing to wear, become unreadable.

6.12 FALLING OBJECTS

Positioning of the cabinet display parts (i.e. counters, rods and hooks), as also product arrangement inside the cabinet can be the source of potential hazards if not properly performed.
Follow the positioning instructions described in this Manual before you place products inside the cabinet, check that the counters are properly fastened, as also the hooks, etc. Do not exceed the maximum load limit. Do not tilt the shelves. Do not place any goods and in general, do not load the tank sliding element closing devices with any load, while open or closed.
Do not place any goods and in general, do not load the tank sliding element closing devices with any load, while open or closed.

6.13 COOLING

During different operations to perform on the counter, such as cleaning or loading goods, it is necessary to handle products and/or counter parts at a low temperature with the risk of "cold injury" for the operators and/or accidental slipping hazard.
Follow the safety regulations in the place where the cabinet is installed; more specifi cally, be sure to always use the right PPE (especially gloves).

6.14 FOODSTUFFS SAFETY (PACKAGED PRODUCTS)

The refrigerator cabinet described herein is meant to be used to display packaged products. As such, it is not designed for direct contact between the foodstuffs and display surfaces. If the foodstuffs do accidentally make contact with the surfaces and for a rather long time, the product may be contaminated. Follow the guidelines on how to use the cabinet. If a product package breaks, remove it from the cabinet and clean, if necessary.

7. DISPOSAL OF WASTE MATERIAL

During normal operation, the appliance does not generate any environmental contamination. At the end of its life cycle, or if it is necessary to proceed to permanent decommissioning, we recommend following the procedures below:

DISPOSAL (USER)

The symbol, applied to either the product or its packaging, indicates that the product should not be considered as normal domestic waste, but should be taken to a waste collection point for the recycling of electrical and electronic appliances. The correct disposal of this product helps to prevent potential negative consequences that might derive from inadequate product disposal. For detailed information about recycling this product, contact your council, your local waste collection service or the store where you purchased the product.

PROCEDURE FOR DISPOSAL and RECYCLING AT THE END OF APPLIANCE LIFE SPAN (AUTHORISED BODIES)

- Switch off the equipment and unplug the power supply cable.
- Remove the lamps (if installed). These should be disposed of separately.
- Remove the power units and the electronic cards. These should be disposed of separately.
- Remove all the independent parts (grids, casings, profiles, etc.) and group them according to shared features in order to access the heat exchangers, pipes, cables, etc. and be careful not to damage the cooling circuit.
- Remove all mobile parts (doors, sliding doors, glass parts, etc.) and group the various materials according to their features.
- Check the type of refrigerant on the plate positioned inside the counter; extract the refrigerant and dispose of it through authorised services.
- Disconnect the evaporator, the condenser, the compressor, the pipes and fans. These are made of copper, aluminium, steel and plastic and should therefore disposed of separately.
- On removal of all guards and the various components from the frame, separate the different types of material making up the appliance (plastic, sheet steel, polyurethane, copper, etc) and collect them separately.

All recyclable materials and waste should be processed and recycled by professionals, in compliance with the laws in the country in question.
The company responsible for recycling the materials should be registered and certified as a waste disposal service in accordance with the country in question.

Attention

Illegal disposal of the product by the owner will result in administrative sanctions as required by current laws.
Disposal of the product should comply with current laws on the disposal of coolant liquids and mineral oils.

Important

If the crossed wheelie bin sign is not present on the appliance, it means that the disposal of the product is not the manufacturer's responsibility. In this case, the Regulations regarding the disposal of waste in force are valid.

Additional information

Further information on the disposal of liquid coolant, oils and other substances is available on the safety data sheet corresponding to the substance itself.

In order to dispose of foamed assemblies, remember that the polyurethane foams used are CFC, HFC and HCFC free.

8. INSTALLATION

This manual supplies the information necessary for correct unpacking, procedures for positioning and connection to mains electricity.

8.1 STORAGE AND UNPACKING

The appliance, with or without the packaging, should be carefully stored inside warehouses or in areas away from the elements and direct sunlight, at a temperature between **0** and **+40** °C.

The appliance should only be moved by qualified personnel operating forklift trucks, the power of which should be suited to handling the weight of the product.
During said operation the appliance MUST placed on the special pallet supplied.

Unpack the appliance by removing the screws fixing it to the pallet.
All packaging materials are recyclable and should be disposed of in accordance with local regulations.
Please destroy "plastic" bags to prevent them from becoming hazardous to children (suffocation).

8.2 INSTALLATION - POSITIONING - ENVIRONMENTAL CONDITIONS

Attention

A dry room that can be ventilated is the suitable location for the appliance's installation.
There should be a good air flow around the compressor/condensing unit.
Therefore the area around the unit should not be obstructed by boxes or other objects.
Position the appliance away from heat sources (radiators, stoves of all types, etc.) and away from the effects of continuous currents of air (e.g. caused by fans, air conditioning vents, etc.).
If it is unavoidable to install near a heat source, use a suitable insulating plate,
Also avoid exposure to direct sunlight; all of this causes the temperature inside the refrigerated compartment to rise with negative consequences on operation and energy consumption.
Do not use the appliance outdoors and do not leave it exposed to rain.

8.3 ELECTRIC CONNECTION

Attention

Check that the network voltage matches the one displayed on the identification plate of the appliance, and that the power is adequate.
Check on the socket that the power supply voltage provides rated voltage (±10%) when you start up the compressor.
The plug should be directly connected to the electrical socket.
It is forbidden to connect the plug to the socket by means of multiple socket extensions or adaptors.
The plant power supply socket must be fitted with a disconnection device from the mains electricity (dimensioned to the load and in compliance with Standards in force), which guarantees complete disconnection in category III (3) over-voltage conditions and therefore protects the circuits against earth faults, overloads and short circuits.
Do not route the electricity cable in passageways.

Attention

Earthing is necessary and mandatory by law.

9. MAINTENANCE

The **Staff in charge of the appliance** must control and respect the expiry dates for maintenance, given in the table below, calling the authorised **Technical After-sales assistance** when indicated.

OPERATION	FREQUENCY				ORDINARY	EXTRAORDINARY	AUTHORISED PERSONNEL
	Depending on the Use and Necessity	Monthly	six-month	Annual			
CLEANING THE EXTERNAL SURFACES	X				X		**USER**
CLEANING THE ACCESSIBLE INTERNAL PARTS (without the use of tools)	X				X		
CONTROL POWER SUPPLY CABLE, PLUGS AND / OR ELECTRICAL SOCKETS			X		X		
INTEGRITY CONTROL SEAL		X			X		
FILTER CLEANING CONDENSING UNIT (whenever present)			X		X		
CLEANING THE DEFROSTING WATER COLLECTION TRAY	X				X		**TECHNICAL ASSISTANCE SERVICE**
CONDENSER CLEANING	X			X	X		
CHECK COMPRESSORE OIL LEVEL (whenever present)			X		X		
AIR TANK DRAINING (whenever present)			X		X		
CONTROL PNEUMATIC CONNECTIONS (whenever present)			X		X		
INTEGRITY CONTROL PIPE COOLING SYSTEM			X		X		
INSPECTION OF CABLES INTERNAL CONNECTIONS AND POWER			X		X		
CLEANING CONDENSATE DRYING SPONGES (whenever present)			X		X		
LAMP / LED REPLACEMENT (whenever present)						X	
CONTROL PANEL REPLACING (electronic control unit - thermostat - etc)						X	
REPLACEMENT POWER SUPPLY CABLE, PLUGS AND / OR ELECTRICAL SOCKETS						X	

Attention

After all maintenance it is **mandatory** to perform all electric safety tests in agreement with the IEC EN 50106 Standard.

10. FAULTS - TECHNICAL AFTER-SALES ASSISTANCE

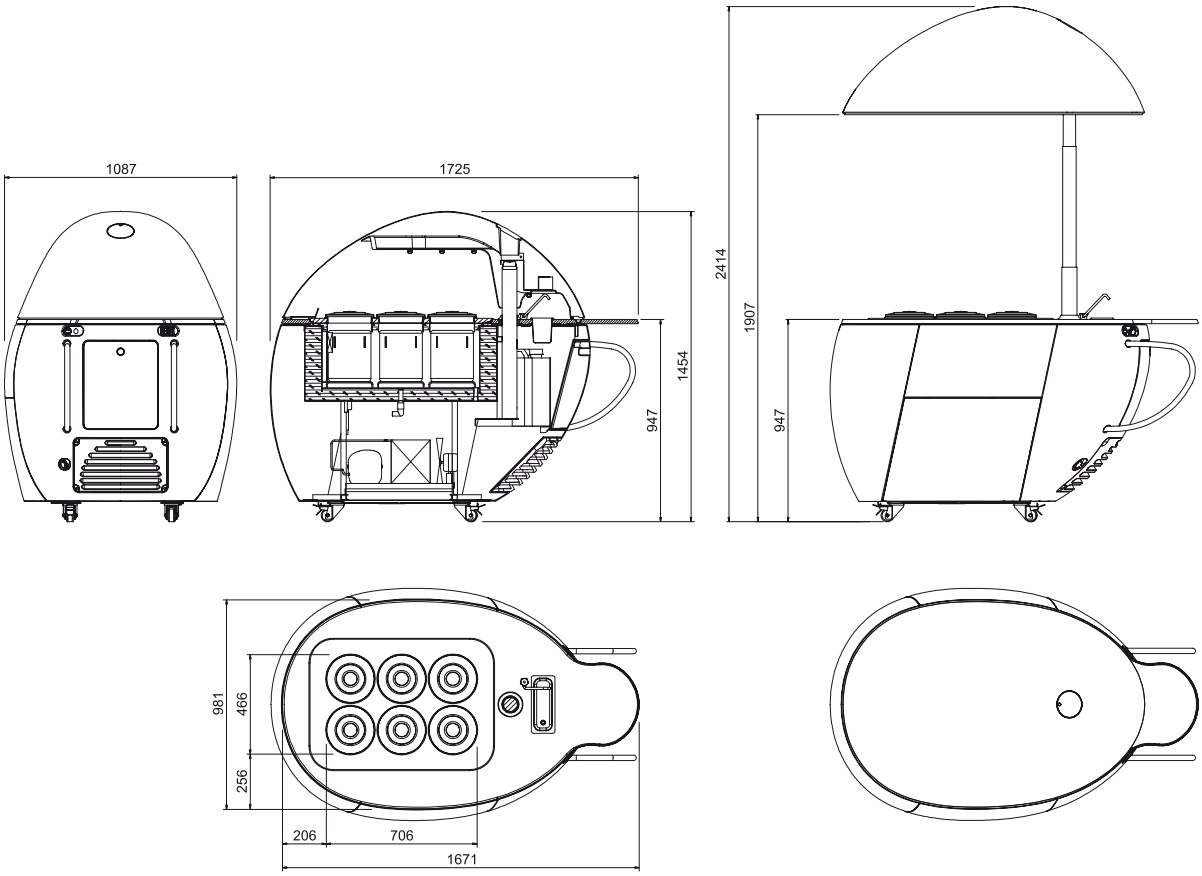
If the appliance is not working properly or stops working, **before contacting** the **Customer support centre**, check the following:

THE APPLIANCE IS NOT WORKING		
CAUSE	**SOLUTION**	**AUTHORISED PERSONNEL**
Blown protective fuse	Previously find the cause of the intervention of the switch, and then re-introduce the new fuse.	**USER**
The master switch is open	Close the master switch.	
The plug is not inserted	Insert the plug.	
Electric black-out	If the black-out should be prolonged, transfer the product into an appropriate cold storage container.	
THE INTERNAL TEMPERATURE IS NOT LOW ENOUGH		
CAUSE	**SOLUTION**	**AUTHORISED PERSONNEL**
Evaporator/s obstructed completely by ice	Carry out an additional defrosting cycle.	**USER**
Wrong setting temperature	Set the appropriate temperature.	
The appliance is affected by draughts or is exposed to direct or reflected sunlight	Remove any draughts and prevent any direct or reflected sunlight.	
Insufficient cooling air flow rate of the air condenser	Remove anything that may affect air flow inside the condensing unit (paper sheets, cardboard, grids with an insufficient number of holes, etc.).	
Internal fans at standstill or with fans damage		**TECHNICAL ASSISTANCE**
Internal ventilation is too high		
Thermostat / Electronic control unit is not efficient	Replace the electronic control board. If the control unit is set up especially for must **R290** refrigerant, it must only be replaced with an original replacement from ISA. Replace the temperature probes only after checking which of the two is not operating efficiently.	
Air condenser blocked by dust or dirt in general	Clean the condensing unit thoroughly. The air condenser or MAINTENANCE FREE, in particular heavy environments (eg presence of dust, the presence of excessive moisture, oiled vapours etc..) in order to avoid performance loss, needs accurate cleaning.	
Insufficient refrigerant load in the cooling system	TFind the cause behind the lower amounts of coolant and eliminate it. Top up the coolant. If necessary, empty the system before topping up.	
THE COMPRESSOR DOES NOT START-UP OR OPERATES		
CAUSE	**SOLUTION**	**AUTHORISED PERSONNEL**
No electric power supply to the appliance	Check if there is a power cut. Close the various switches on the power supply line.	**USER**
The power supply voltage is too low	Check that the network voltage of the power supply cable is 220V +/- 10%.	
Temperature set too high	If the set temperature is higher than that of the air in the display area, the compressor does not activate itself. Set a more suitable temperature if the current value is not low enough	
The pressure switch (if any) was activated at maximum pressure	Check the reasons why the pressure switch is operating at maximum pressure levels, such as: air condensing unit blocked, condensing unit fan stopped, ambient temperature too high, pressure switch broken.	**TECHNICAL ASSISTANCE**

10.1 ALARMS LIST (WHERE PRESENT)

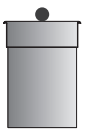
ALARM	DESCRIPTION	OUTPUTS	AUTHORISED PERSONNEL 
P1 **E0**	Broken thermostat probe. Compressor output according to "COn" and "COF parameters	• The alarm starts a few seconds after the probe breaks down; it stops a few seconds after the probe starts working again properly. • We recommend checking the probe connections before replacing it.	
P2 **E1**	Broken evaporator probe. Set time for defrosting.	• The alarm starts a few seconds after the probe breaks down; it stops a few seconds after the probe starts working again properly. • We recommend checking the probe connections before replacing it.	
HA **HI**	High temperature alarm.	• The alarm stops automatically on reaching the temperature set. • Check programming.	
LA **LO**	Low temperature alarm.	• The alarm stops automatically on reaching the temperature set. • Check programming.	
EA **IA** **CB**	External alarm.	• The external alarm stops after the digital infeed is deactivated, it is restored automatically. • The alarm is linked to the intervention of the pressure switch and/or the compressor circuit breaker, when present.	
ETc **RTF**	Real time clock is broken.	• Reset the clock. • If the alarm does not stop, replace the clock.	
EE	Machine parameter error.	• The instrument is damaged. It must be replaced.	
EF	Operating parameters error.	• The instrument is damaged. It must be replaced.	

11. TECHNICAL SPECIFICATIONS



OPTIONAL

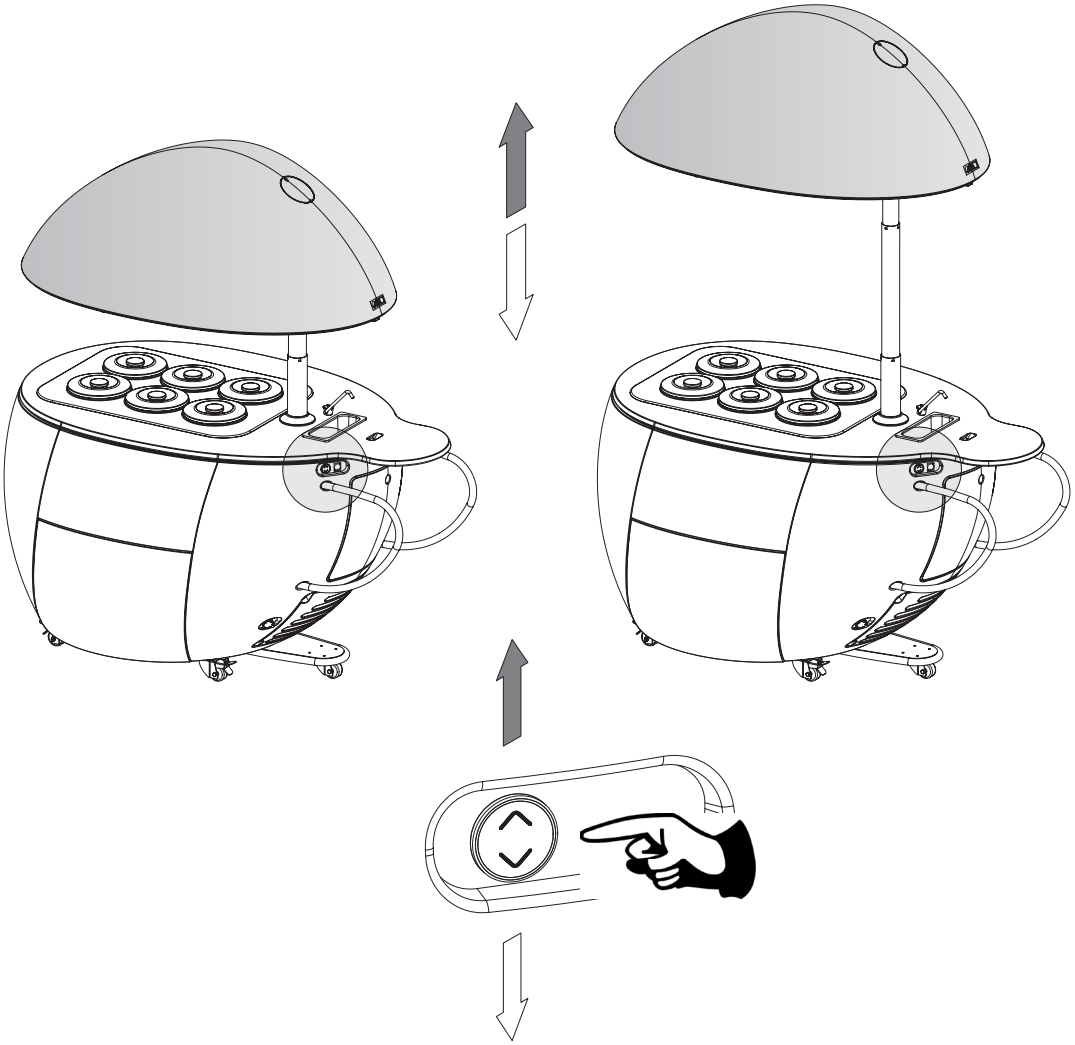
CARAPINA
Dia. 220 H240 (7.5 litri)



External dimensions	Lenght	mm	1725
	Depth	mm	1087
	Height	mm	1454 / 2414
Weight (net)		Kg	240

11.1 ELEVATION - LOWERING THE DOME

The raising and / or lowering of the dome is done manually by actuating the button as shown in figure.



The direction of the arrow on the button indicates the direction of the dome actuation.
The dome is actuated by an actuator equipped with an anti-crushing safety systems; when the dome meets an obstruction while actuation stops and reverses the movement.

ACTIVATION

Keep pressed the button to raise or lower the dome; releasing the button, the dome will stop immediately.
During descent the dome automatically stops about 6 cm from the floor; to complete the closure is necessary to crush again the down button.
Note: Do not insist on the button when the dome is at the stroke end (open or closed).

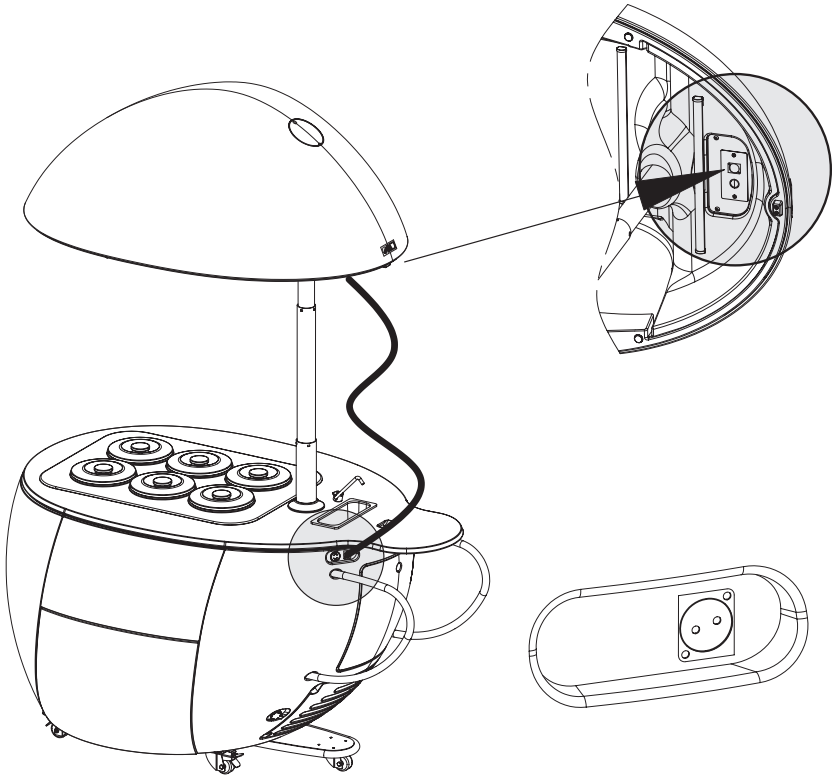
POWER FAILURE

In case of no power supply the control unit of the 'actuator may go to block; to restore the functioning of the 'actuator, after restoring the' power supply, maintain pressed the button down for 10 seconds.

11.2 LIGHTING

The device is equipped with LED lighting under the dome.
The LEDs are powered by a battery; when lighting is reduced in intensity it is necessary to charge the battery.

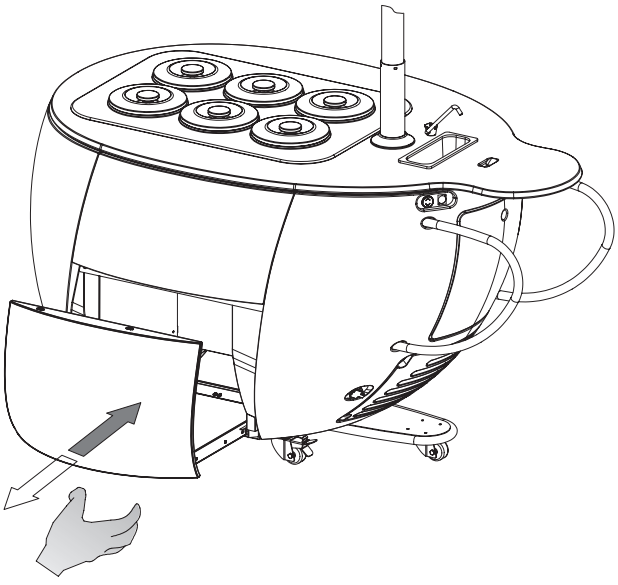
Pull out the charger cable (supplied with the bench) and connect it as indicated; when the 'indicator (near the outlet of the dome) is green, charging is complete.



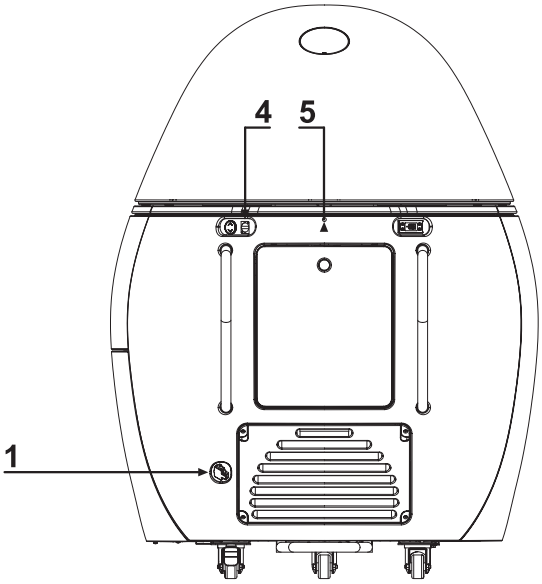
11.3 SIDE DRAWER

On the operator side is a drawer with open compartment; to open the drawer, grab the integrated handle this under the lock of the drawer.

Note: Close the drawer making sure to snap the safe (click).



11.4 ELECTRIC UTILITIES



1	PLUG POWER CABLE
4	JACK CABLE CHARGING ELECTRIC LIGHTING
5	JACK SHUKO FOR ELECTRIC UTILITY

- **PLUG POWER CABLE**
  (**1**)

  Plug the mains power cable of the equipment.

- **JACK CABLE CHARGING ELECTRIC LIGHTING**
  (**4**)

  The bench is equipped with LED lighting under the dome.
  The LEDs are powered by a battery; when the 'lighting is reduced in intensity you need to put charging the battery.

  Pull out the charger cable (supplied with the bench) and connect it as indicated; when the 'indicator (near the outlet of the dome) is green, charging is complete.

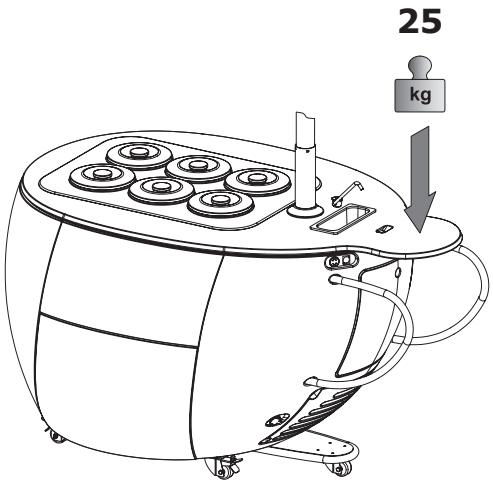
- **JACK SHUKO FOR ELECTRIC UTILITY**
  (**5**)

  Under the shelf of the work plan is a watertight box with Shuko socket 10A.
  Note: When the dealer is fed from this user it reduces battery 's autonomy of the bench.

11.5 MAX LOAD ON SHELF

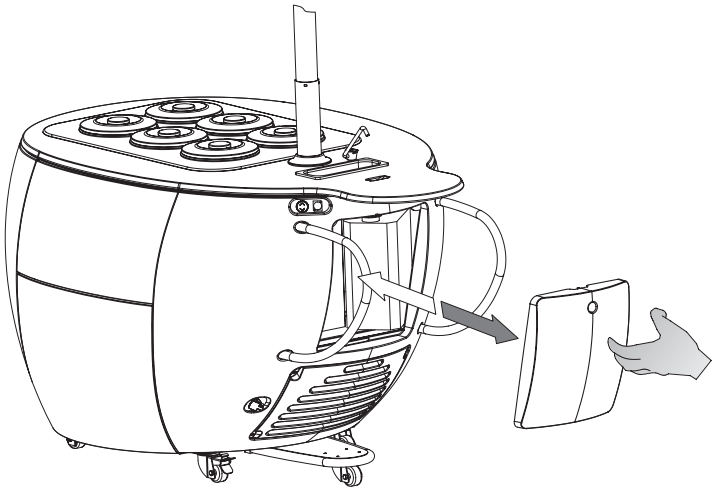
Attention

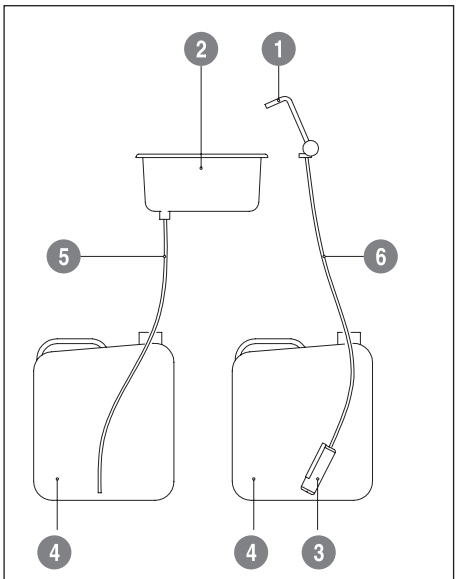
The load limits indicated must be respected to avoid deformation or breaking.



11.6 COMPARTMENT TANKS WATER

To access the compartment manually remove the door as indicated.





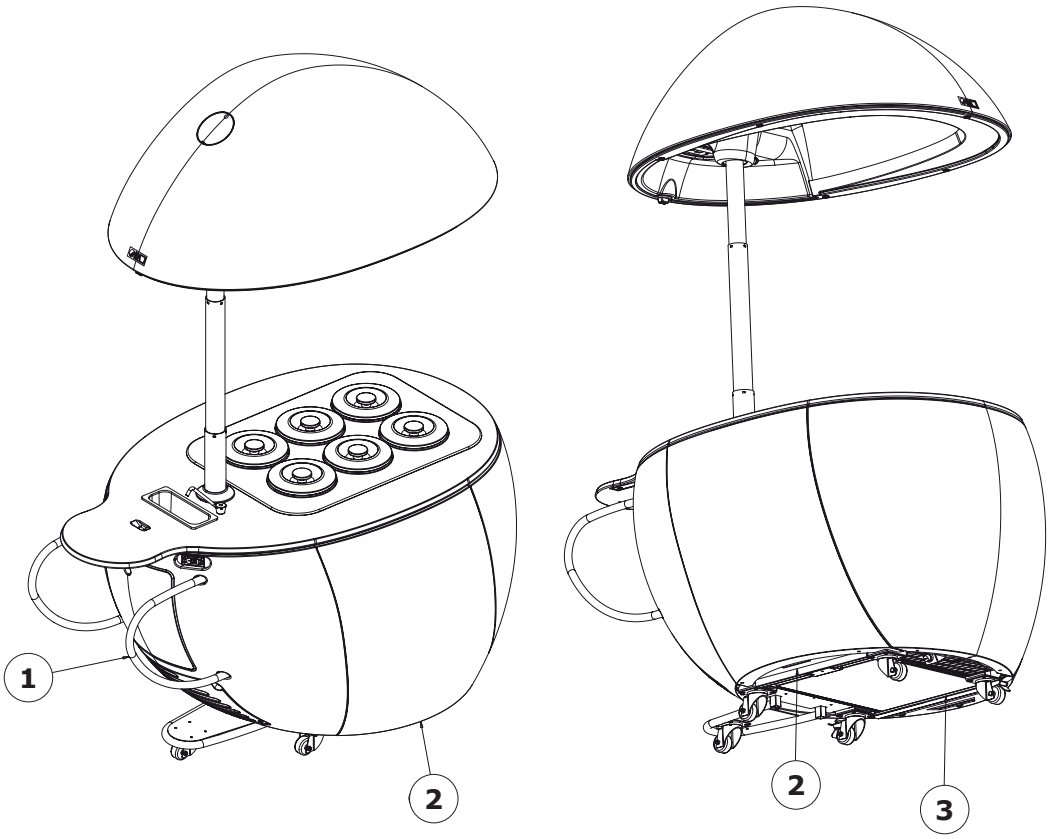
1	TAP
2	SCOOP WASHER
3	WATER PUMP
4	TANK
5	WATER LOAD PIPE
6	WATER EXHAUST PIPE

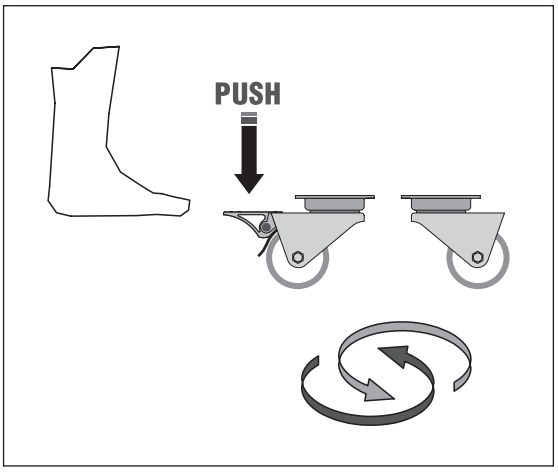
11.7 POSITIONING AND HANDLING

PIVOTING WHEELS

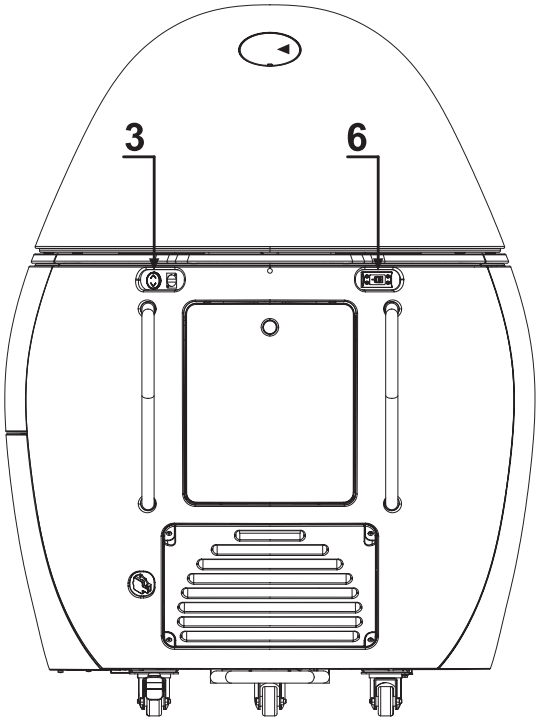
The equipment is fitted with castors (with brake) and by the side handles (1) and lower handles (2-3) to facilitate handling and the manual positioning.

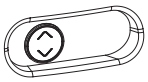
It is **absolutely necessary** after placement stabilize the equipment to the floor.





12. CONTROL PANEL

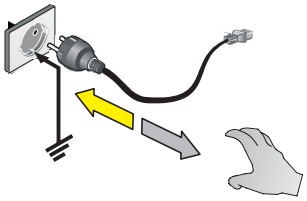


3	LIFTING BUTTON DOME	
6	ELECTRONIC CONTROL BOARD	

START-UP

Press the master switch network.

Plug the appliance in at the socket supplied by the customer, ensuring that the plug is fitted with an earth contact and that there are no multiple sockets connected to it; the equipment automatically starts.

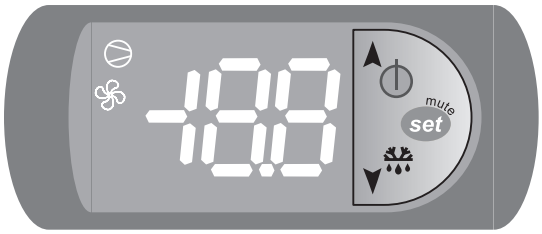


The device starts automatically.

Attention

The electronic control board is installed already programmed.
Any changes to the control board settings can be carried out exclusively by qualified technical personnel.

12.1 USER INTERFACE



Attention

The electronic control board is installed already programmed.
Any changes to the control board settings can be carried out exclusively by qualified technical personnel.

BUTTONS	
	• Pressed for more than 3 seconds alternates ON / OFF status.
mute set	• Pressed for 1 second displays/sets the set point. • Pressed for more than 3 seconds accesses the parameter setting menu (insert pwd 22). • Silences acoustic alarm (buzzer).
	• Not applicable.

13. CLEANING

EXTERNAL	
STAINLESS STEEL	Only use warm water and non-aggressive detergents and then rinse and dry using a soft cloth.
ACRYLIC OR POLYCARBONATE	Wash with lukewarm water, using a soft cloth or a chamois cloth. Do not use detergents, alcohol, acetone or solvents. Do not use abrasive cloths or sponges.
GLASS	Only use products specifically designed for cleaning glass. We do not recommend using tap water, which may leave calcium deposits on the surface of the glass.

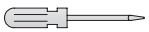
INTERNAL (GENERAL)

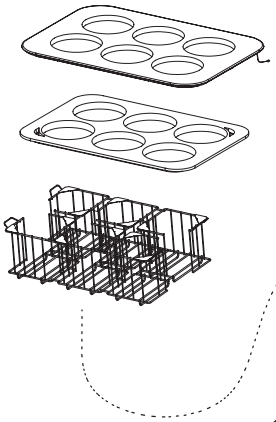
Attention
Do not scrape the ice from the walls with pointed tools, the surfaces will be ruined.
Do no use high pressure appliances (e.g. steam generators).

1. Remove the product contained in the refrigerated compartment and place it immediately in a special refrigerator conservative to ensure proper storage.
2. Turn off the equipment.
3. Remove accessories manually removable (eg. Sliding, grills, ice cream containers, etc).
4. Wait at least 4 to 6 hours for the possible presence of ice on the evaporator is fully dissolved before proceeding with cleaning of 'equipment. We suggest in this regard, you wait for the next day to make sure that the defrosting is completely done. Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
5. Remove (if present) the drain plug of the tank bottom to drain the defrost water.
6. Clean the side panels and the bottom of the tank using a mild detergent, warm water and a cloth or sponge. Do not use sharp tools. Rinse thoroughly and dry with an absorbent cloth.
7. If the equipment was joined to a floor drain, slide lukewarm water containing a sanitizing solution suited to the specific application. The amount of solution to be used should be such as to ensure a perfect removal of any residual product and proper sanitation along the entire path of the drainage.
8. If the equipment is not joined to a floor drain, follow the procedure referred to above. The rinse water collected in the tank will be positioned inside the base of the apparatus. Proceed also to cleaning and sanitizing of the drip tray.
9. Fit the accessories that were removed (step 3).
10. Turn on the equipment and allow to cool on the bench until it reaches the desired temperature before reintroducing foods.

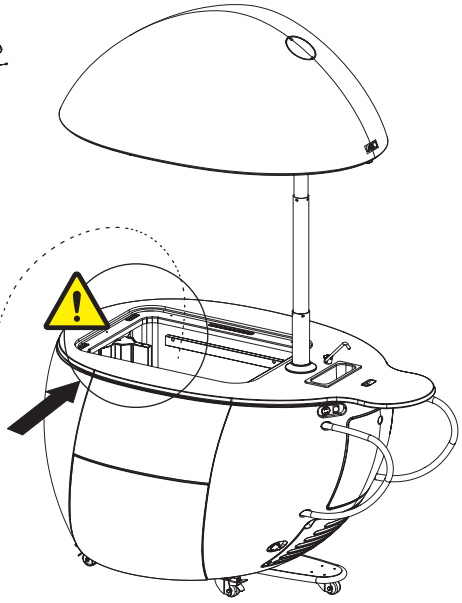
13. CLEANING

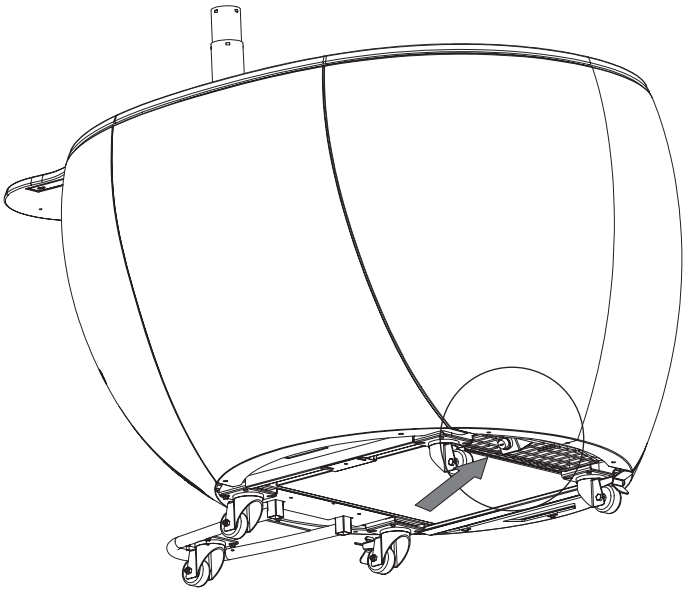
INTERNAL





Absolutely avoid the presence of water in the area indicated by the presence of electrical components.





Attention

Turn off the product, wait a few hours until the equipment of the condensing unit has reached a temperature close to that of the environment.

Remove the plane as to access to the internal tub.

- Remove tubs covers, tubs and rings.
- Lift the central part of the work plan.
- Pull the connector on the wire.
- Lift the closure of the body.
- Raise the basket carapine.

At this point you have access inside the tank for cleaning.

Drain the cleaning water via the drain placed on the bottom of the tank.

- Remove the cap from the drain in the tub.
- Unscrew the outer drain plug.

Thoroughly dry all parts after cleaning.

Note:
Carefully screw the outer cap as a malfunction of the equipment.

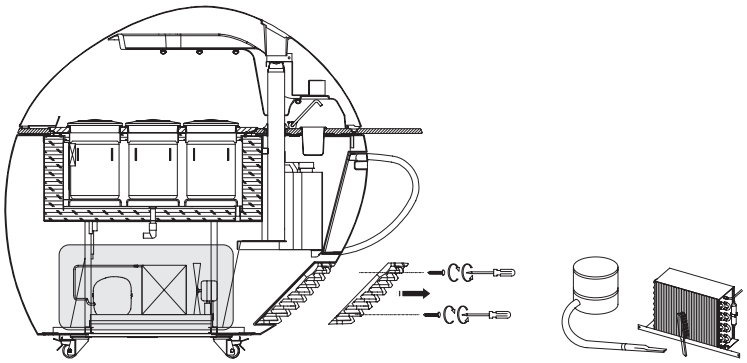
Reassemble the components that were removed in reverse.

13. CLEANING

CONDENSING UNIT

Attention

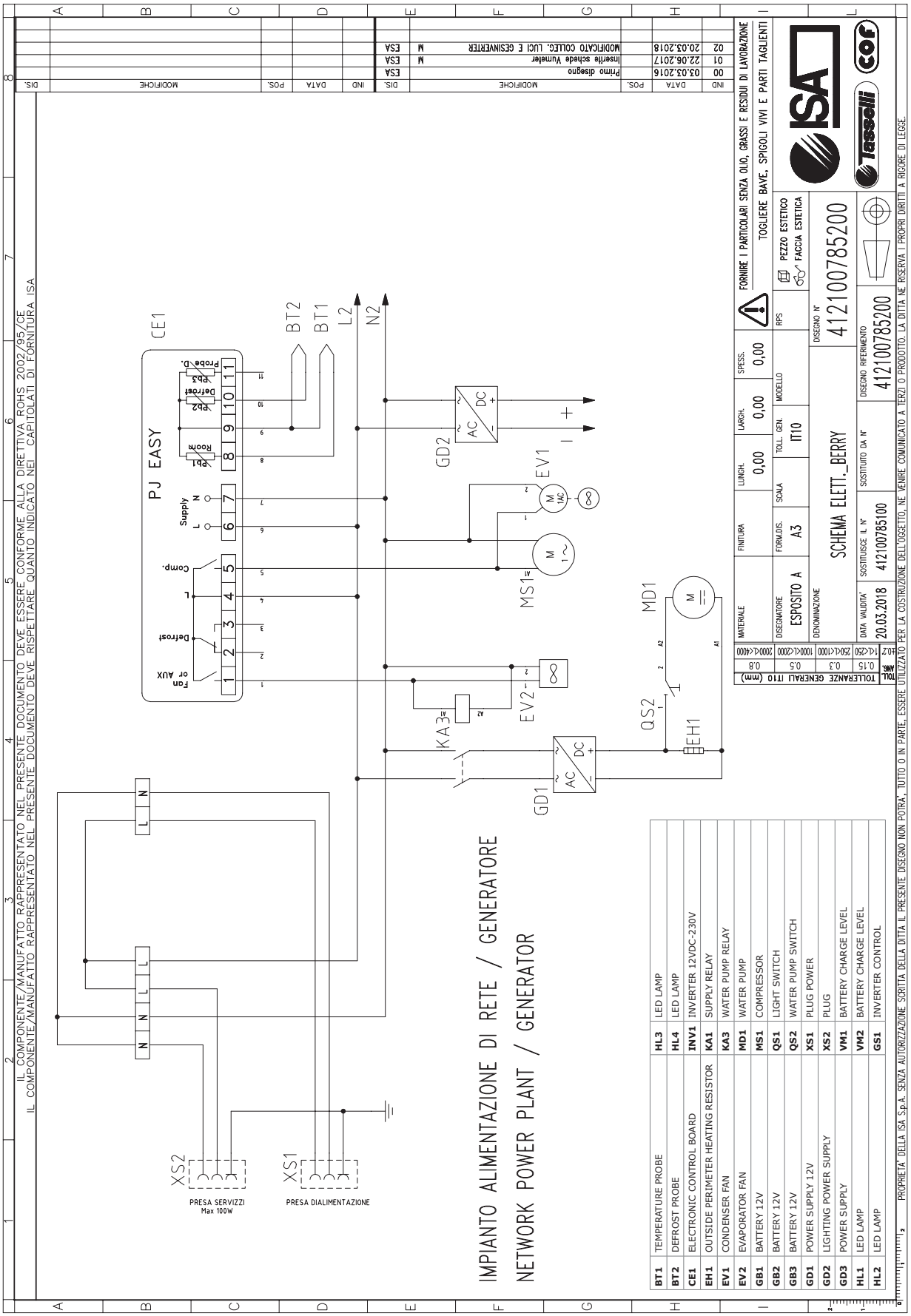
The air condenser or MAINTENANCE FREE, in particular heavy environments (eg presence of dust, the presence of excessive moisture, oiled vapours etc..) in order to avoid performance loss, needs accurate cleaning. Clean the condensing unit using a suction brush. Clean the condenser with a soft bristle brush; make sure you do not bend the condensing unit springs whilst cleaning it.



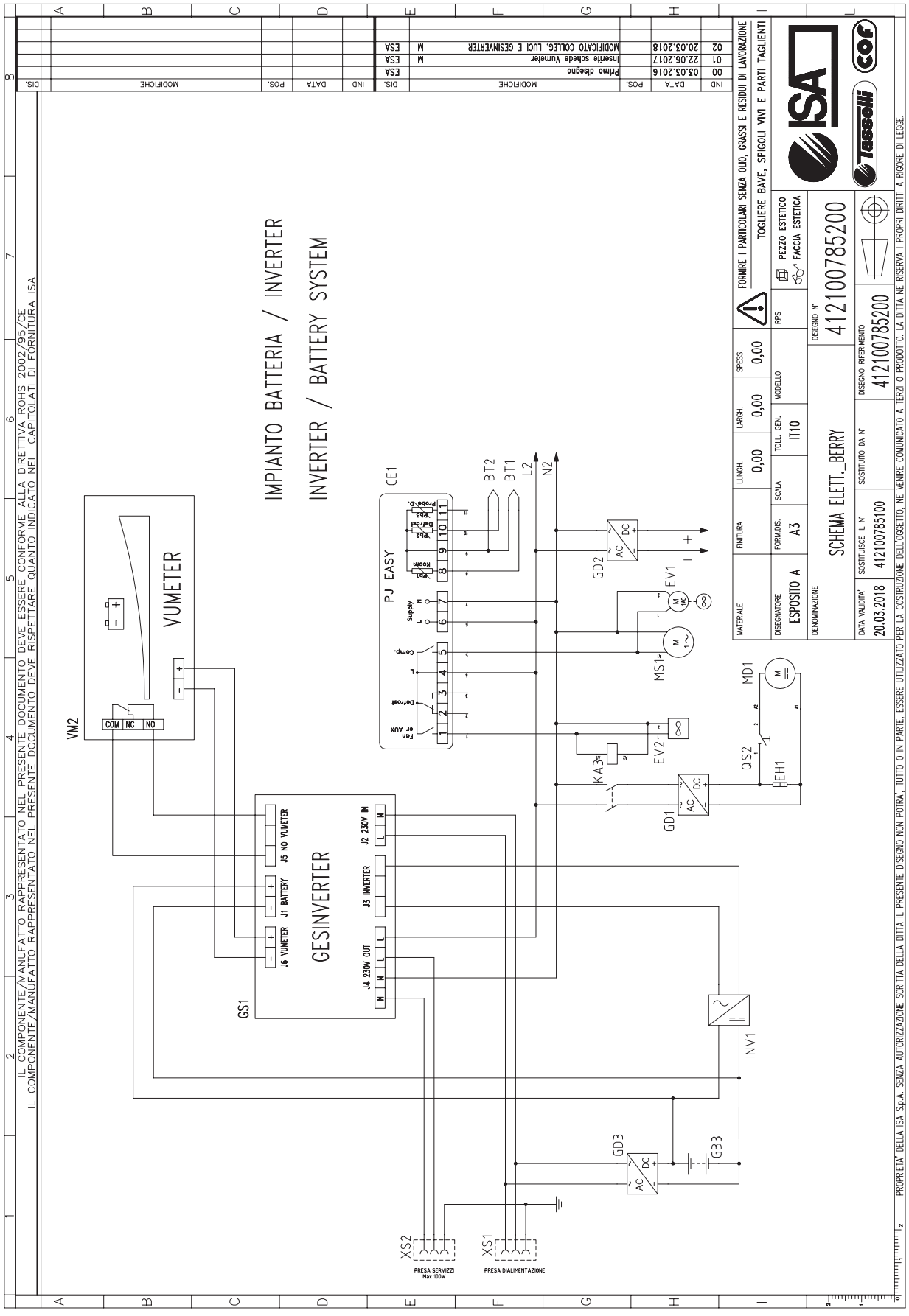
14. PROLONGED APPLIANCE SWITCH-OFF

- Remove the product contained in the cabinet and put it immediately in a relevant cold storage container in order to guarantee correct preservation.
- Open the equipment and wait for it to reach room temperature and then clean it.
- Leave the door/sliding panels open by 2-3 cm so as to guarantee circulation of the air and prevent the formation of mould and bad smells inside the appliance.
- The appliance, with or without the packaging, should be carefully stored inside warehouses or in areas away from the elements and direct sunlight, at a temperature between **0** and **+40** °C.

1 - WIRING DIAGRAM - 412100785200 - 1/3

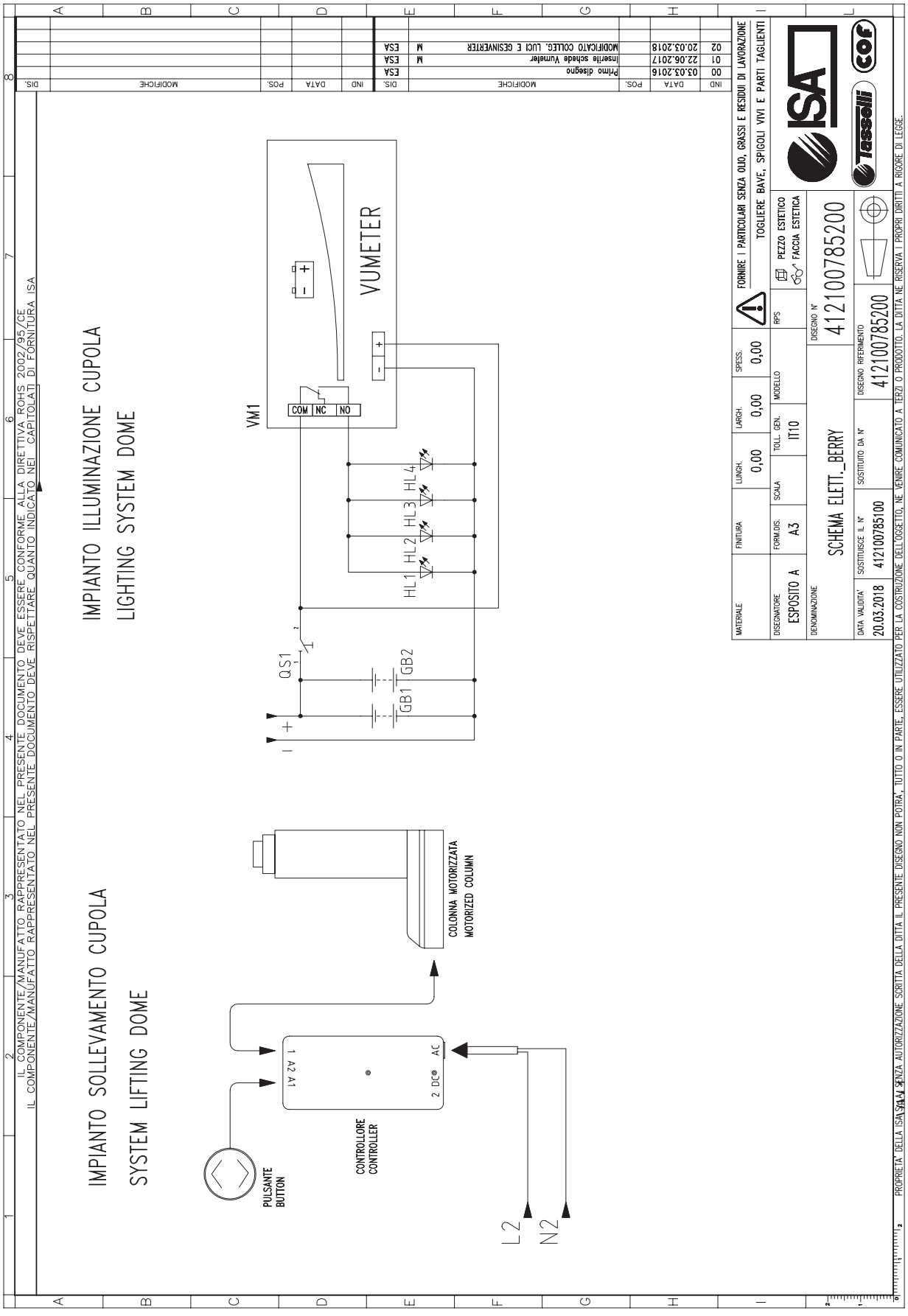


1 - WIRING DIAGRAM - 412100785200 - 2/3



ATTACHMENT

1 - WIRING DIAGRAM - 412100785200 - 3/3

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