



Installation and
operating instructions
(To be kept preciousy).

WINEOUT25X



INDICATIONS ON THE NAMEPLATE ON THE DEVICE:

- 1. Model:.....
- 2. Serial No.:
- 3. Date of Purchase:

06/11/2023

How to use

Table of Contents

1. TABLE OF CONTENTS

1.	TABLE OF CONTENTS	2
2.	PREMISES LAYOUT	7
2.1.	Hot air discharge	7
2.2.	Cellar insulation	8
2.2.1.	Insulation of walls, ceiling and floor	9
2.2.2.	The door	10
2.2.3.	Isolation from other elements	10
3.	INSTALLING THE WINEMASTER® AIR CONDITIONER	11
3.1.	Setting up the water flow	14
4.	THERMOSTAT AND ELECTRICAL CONNECTION.....	15
4.1.	Winemaster Connect	15
4.2.	Connecting the thermostat	15
4.3.	Connecting the WINEMASTER® AIR CONDITIONER	16
4.4.	Temperature control of the WINEMASTER® AIR CONDITIONER	17
4.5.	Setting the unit of measurement	17
5.	CARE AND MAINTENANCE OF THE WINEMASTER® AIR CONDITIONER....	18
5.1.	Filter change	18
5.2.	Condensate drain hose.....	18
6.	THE WARRANTY	19
6.1.	Legal Warranty	19
6.2.	2-year contractual warranty	19
6.3.	Conditions of application of the warranty	19
6.4.	Exclusions and Limitations of Warranty	19

Introduction

You have just acquired a WINEMASTER® air conditioner and we thank you for your confidence.

From its conception to its marketing, everything has been done to offer you an exclusive and high quality product. The result of the work of a whole team which finds in this philosophy an always greater motivation to satisfy you, we hope that your WINEMASTER® air conditioner will bring you optimal conditions of conservation and ageing of your wines for an incomparable pleasure.

Because the customer is at the heart of all our thoughts, we wish to assist you in your first steps and guide you towards an optimal use of your air conditioner on a daily basis. In this manual, you will find technical information and instructions for an easy installation and an optimal functioning of your appliance.

THE WINEMASTER TEAM.



2. Safety Precautions

 Read the instructions of the This manual before using the unit.	 This device is filled with R290.
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Keep this manual in a place where it can be easily found by the user.

- Read the instructions in this manual carefully before using the unit.
- This device is designed for use by experienced or trained users in workshops, light industry and farms, or by non-specialists in a commercial setting.
- The sound pressure level is less than 70 dB(A).
- The precautions described below are filed under WARNING and CAUTION. Both contain important safety-related information. Be sure to follow all precautions.

 WARNING	 ATTENTION
If these instructions are not properly followed, it can result in injury or death.	If these instructions are not properly followed, it can result in property damage or injury that can be serious depending on the circumstances.



WARNING

- The appliance must not be stored in a room in which ignition sources are permanently present (e.g. open flames, gas appliance or electric heater in operation).
- To prevent fires, explosions, and injuries, do not operate the unit when noxious gases (e.g., flammable or corrosive) are detected in the vicinity of the unit.
- Be aware that prolonged direct exposure to cold or hot air from the air conditioner, or air that is too cold or too hot can be detrimental to your fitness and health.
- Do not place objects, including rods, fingers, etc. in the air inlet or outlet. Product damage or injury may result from contact with the high-speed blades of the air conditioner fan.
- Do not attempt to repair, disassemble, reinstall or modify the air conditioner yourself, as this may result in water leaks, electric shocks or fires.
- Do not use flammable vaporizers near the air conditioner, as this may start a fire.
- Do not use refrigerant other than that indicated on the outdoor unit for installation, relocation, or repair. The use of other refrigerants could disrupt operation or damage the unit and cause personal injury.
- To avoid electric shock, do not operate the unit with wet hands.
- Do not wash the air conditioner with water as this can lead to electric shock or fire.
- Do not place containers containing water (vases, etc.) on the unit. This can lead to electric shocks or fire.
- Watch out for fire in case of refrigerant leakage. If the air conditioner is not working properly, i.e. if it is not producing fresh or hot air, it may be due to a refrigerant leak. See your dealer for assistance. The refrigerant in the air conditioner is safe and normally does not leak.

However, in the event of a leak, any contact with a burner, heater or stove can lead to the generation of toxic gases. Stop using the air conditioner until a qualified person has confirmed that the leak has been repaired.

- Do not attempt to repair the air conditioner yourself. Faulty workmanship can cause water leaks, electrocution or fire. Please contact your local representative or qualified personnel for any installation and maintenance work.
- If the air conditioner malfunctions (e.g., smells burning, etc.), turn off the power supply to the unit and contact your local dealer. If operation is maintained under such circumstances, it may result in failure, electric shock, or fire hazard.
- Be sure to install a ground loss circuit breaker. Failure to install a ground loss circuit breaker may result in electric shocks or fire.
- Be sure to ground the unit. Do not ground the unit on a utility line, surge protector, or telephone ground. Improper grounding can cause electric shocks.
- Check the condition of the power cable after installation or repair
- Do not pull on the cable to disconnect the machine
- Unplug the machine before performing maintenance, repairs, or any other interventions.

**ATTENTION**

Do not use the air conditioner for any purpose other than those intended. Do not use the air conditioner for cooling precision instruments, food, plants, animals, or artwork, as this may adversely affect the performance, quality and/or longevity of the objects involved.

- Do not expose plants or animals directly to the unit's airflow as this may cause adverse effects. Do not place appliances that produce open flames in areas that are exposed to the airflow of the unit, as this may decrease burner combustion.
- Do not block air inlets or outlets. Decreased airflow can lead to poor performance or problems.
- You must not sit on the unit, place objects on the unit, or pull the unit. This could lead to accidents, such as falls or tips, resulting in injury, malfunction or damage to the product.
- Do not place moisture-sensitive objects directly underneath indoor or outdoor units. Under certain conditions, condensation on the main unit or on the refrigerant pipes, dirt from the air filter, or a blockage of the exhaust can lead to dripping, causing the affected object to become clogged or fail.
- After long use, check the unit's bracket and attachment for damage. If damaged, the unit can fall and cause injury.
- To avoid injury, do not touch the air intake or aluminum fins of the indoor or outdoor unit.
- The appliance is not intended for use by young children or infirm persons without supervision. This could lead to a decrease in bodily functions and harm health.
- Children or persons with diminished abilities must be supervised to ensure that they do not play with the unit or its remote control. Accidental use by a child can lead to decreased bodily functions and harm health.
- The indoor and outdoor units must not be subjected to any impact, otherwise the product may be damaged.
- Do not place flammable products such as atomizers within 1 m of the air outlet.
Atomizers can explode due to hot air from the indoor or outdoor unit.
- Make sure your pets don't urinate on the air conditioner. This can lead to electric shocks or fire.
- Before cleaning, be sure to turn off the unit, turn off the circuit breaker, or unplug the power cord. Otherwise, there is a risk of electric shock and injury.
- Connect the air conditioner only to the specified supply circuit. Power supplies other than that listed may result in electric shock, overheating, or fire.
- Place the drain hose to ensure regular draining. Improper emptying can get the building, furniture, etc.
- Do not place objects in direct proximity to the outdoor unit and do not allow leaves or other debris to accumulate around the unit. The leaves provide a home for small animals that can then enter the unit. Once entered, these animals can cause malfunctions, smoke, or fire when they come into contact with electrical parts.
- Do not place objects around the indoor unit.

This can have negative effects on the performance, product quality, and lifespan of the air conditioner.

- This device is not intended for use by persons with reduced physical, sensory or mental abilities or lack of knowledge, unless they are supervised or have been trained in the use of the device by a person responsible for their safety.
- Keep children at a distance to ensure they don't play with the device

Characteristics

	WINEOUT25X
Weight of the device	45kg
Device Dimensions (mm)	H.700 X W.503 X D.498
Temperature control	Preset to 12°C, adjustable between 8 and 18°C *
Max outdoor temperature	40°C **
Cooling capacity	550 W at 15°C **
Power supply	230/240V-50 Hz + 3 m cable
Electrical Power Cold Mode	410 W
Electrical Power Heating Mode	250 W
Ingress Protection (IP)	(IP23)
Cooling refrigerant	 R290 (105g)
PS LOW	4.5 MPA
PS HIGH	14.3MPa
T EQ CO2	0.0003

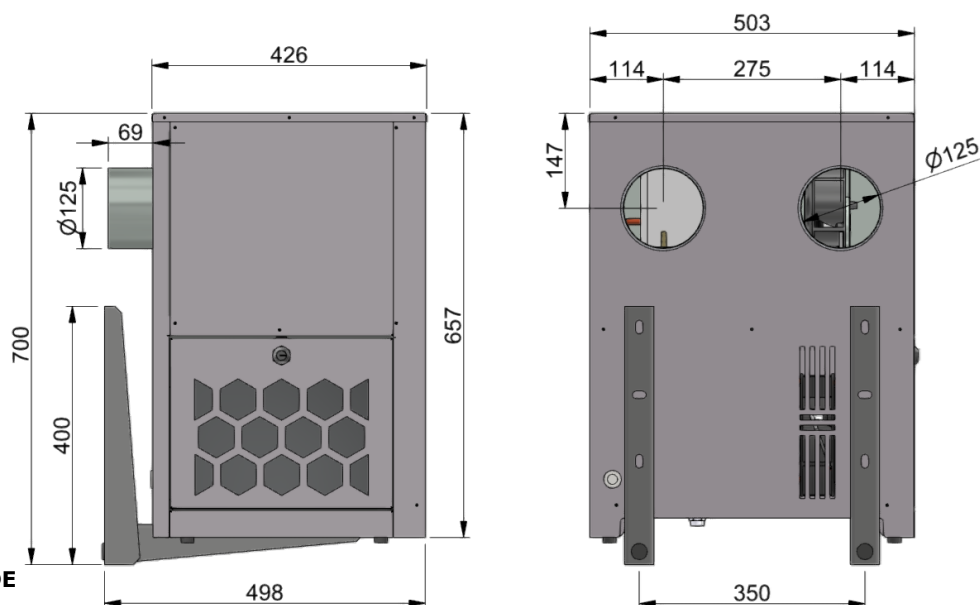
The gauge of the circuit breaker should be **16 Amps**.

* With insulation adapted to the temperature and volume of the cellar.

** As the power decreases with the outside temperature, the device may lose its ability to maintain 12°C when the suction temperature approaches 40°C. This temperature should not be reached permanently and corresponds to periods of high heat.

If the compressor is switched on too often to thermal safety, it can cause premature wear.

Technical Footprint Plan



3. LAYOUT OF THE PREMISES

3.1. Exhaust air out of the cellar

The air conditioner is installed outside the wine cellar (in another room or outside) on the wall using the two brackets provided.

FOR proper operation, the device expels air outside at approx. 15°C above the inlet temperature. This air is expelled through the body grilles (at the rear and under the machine).

If the WINEMASTER® air conditioner rejects hot air indoors (air conditioner installed in a room), it must be **well ventilated**:

- Maximum and non-permanent temperature ≤ 40°C
- Ideal temperature ≈ 20°C.

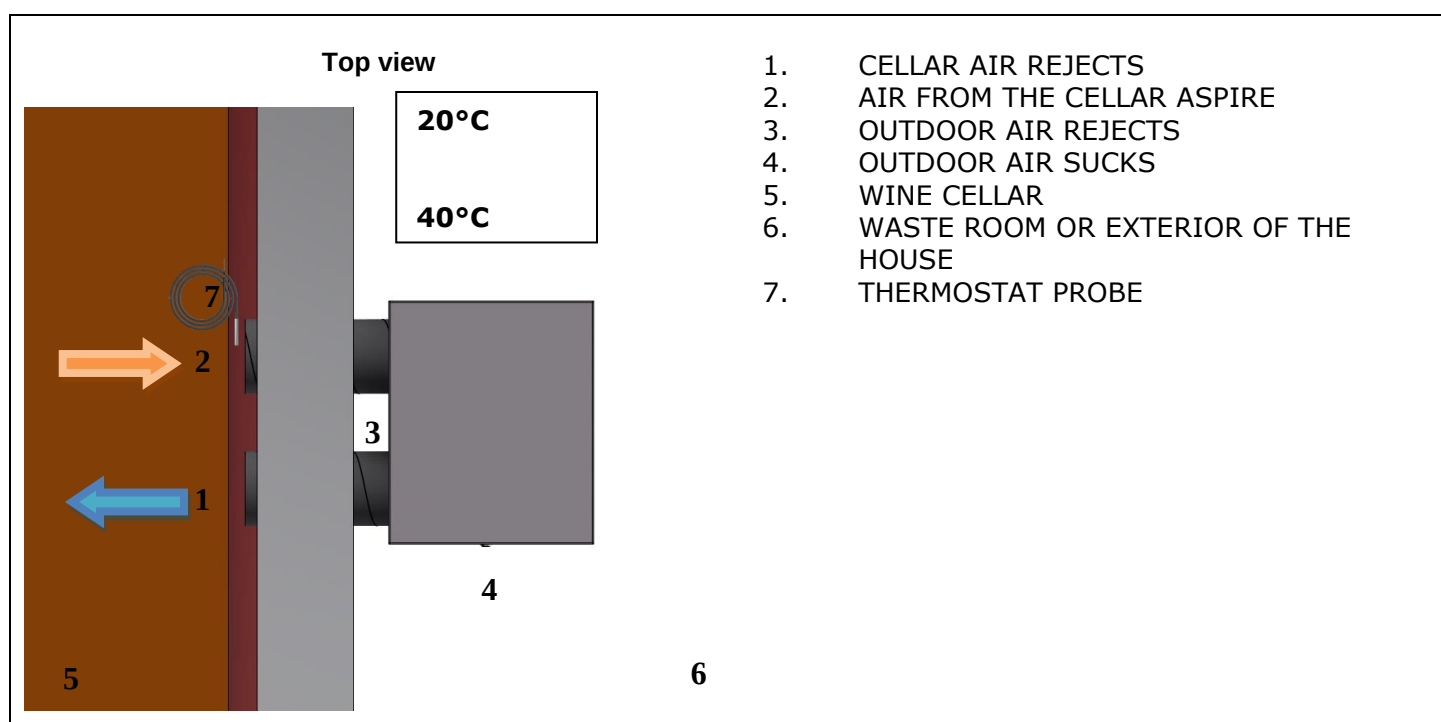
→ is preferable to discharge hot air outside if possible (air conditioner installed outside).

3.2. Exhaust air into the cellar

→ The suction and the rejection of the air allowing its cooling is done by means of two ducts crossing the wall.

- Do not clog the ducts (risk of damage to the machine)
- Maximum length of the two ducts in total: 1m maximum outside the cellar and 10m inside the cellar.
- Do not reduce the cross-section of the ducts

3.1. Scheme



3.2. Cellar insulation

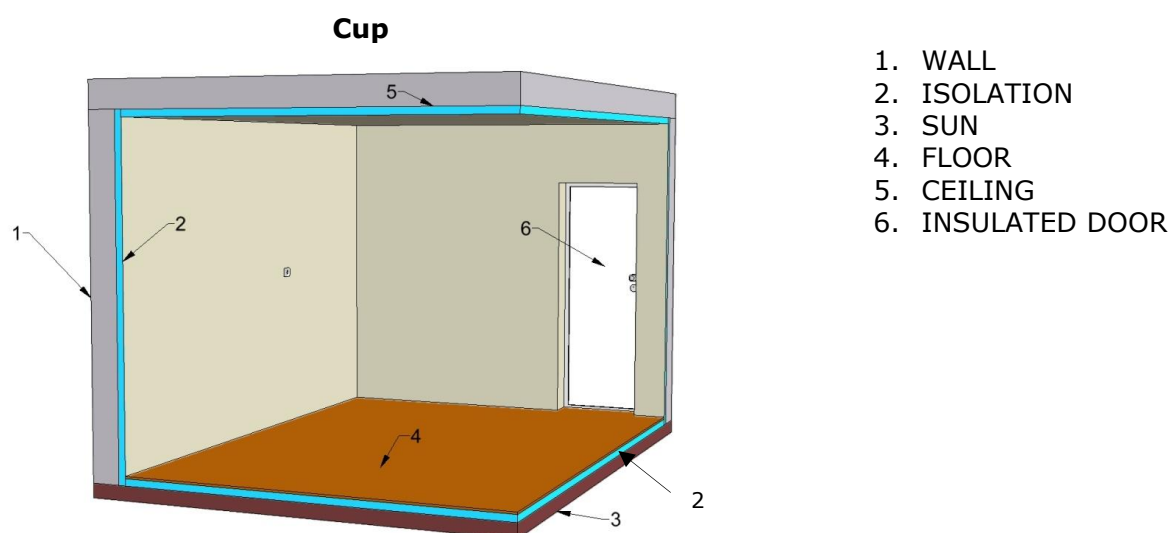
It is determining for a good operation of the WINEMASTER® air conditioner. An adequate insulation will contribute to ensure a **better stability of the temperature and hygrometry**. The table below (choice of insulation) makes it possible to determine the type and the thickness of insulation necessary according to the interior volume of the cellar and the model of WINEMASTER® air conditioner, for an interior temperature of 12°C. You can also carry out a calculation which corresponds to your cellar on our website: www.winemaster.fr/en/project/.

Continuity of insulation

The assembly of the insulating elements must be carried out, preferably:

- By interlocking the rebates of the panels
- By gluing the panels together

→ **OBJECTIVE: Avoid parasitic ingress of heat and humidity that would interfere with their regulation.**



IMPORTANT

The validity of the warranty of the WINEMASTER® air conditioner is linked to strict compliance with the values of the "Choice of insulation" table for all cellar walls (including floor, ceiling and door) as well as to the perfect continuity of the insulation and installation in accordance with the instructions.

Choice of insulation

Cellar volume (m ³)	Expanded polystyrene = 0,044 W/m°C (mm)	Polystyrene Extruded = 0,030 W/m°C (mm)	Foam Polyurethane = 0,025 W/m°C (mm)
6	40	30	30
8	50	40	30
10	60	40	40
12	70	50	40
14	70	50	40
16	80	60	50
18	90	60	50
20	90	70	60
22	100	70	60
24	110	70	60
25	110	80	60

3.2.1. Insulation of walls, ceiling and floor

Choice of insulating panels

Manufacturers offer different types of insulating panels:

- Insulators alone
- "Complexes": insulation covered with a cladding (plaster, mineral, etc.)
- Sandwiches: insulation lined on each side with a wood or plaster panel

Important: the coating **protects the insulation from shocks and therefore guarantees its durability over time. Avoid using mineral fibre insulation** (glass wool, rock wool, etc.) as they can become loaded with moisture and lose their insulating power, as well as thin-film insulation, which is not effective against cold.

DID YOU KNOW?

Some insulating materials are damaged by rodents (mice, rats, etc.). It is therefore necessary to check that the walls of the cellar do not have holes that allow rodents to reach the insulation. These insulations will be covered with a protective cladding on the inside of the cellar.

→ **Polyurethane is an insulator that, due to its chemical composition, is not attacked by rodents.**

Floor insulation

The cellar floor must be able to support the shelves and the stored wine. It is therefore necessary to choose an insulator with sufficient compressive strength.

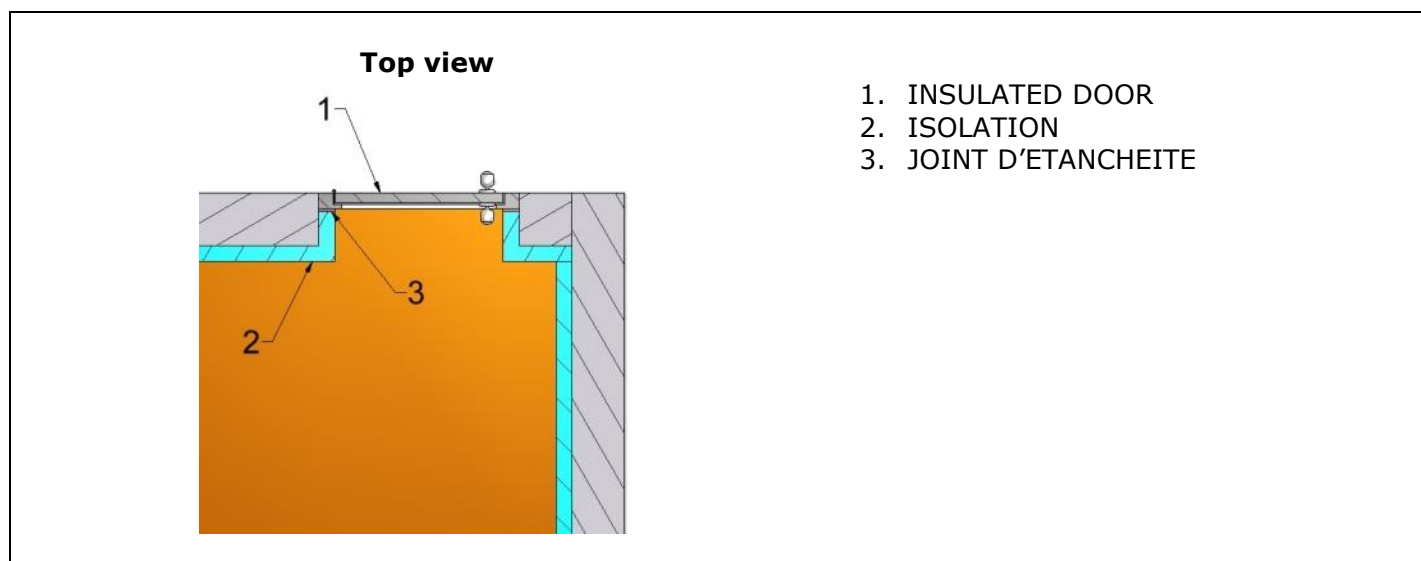
Puncture resistance (shelf legs in particular) achieved through:

- **"Complex" insulating panels** with a sufficiently strong panel on the upper side.
- **Insulation lined with wood chipboard** (thickness about 15 mm), or any other suitable covering (screed and slab for example).

3.2.2. The door

It contributes to the continuity of the insulation. There are two possible solutions:

- **Insulate the existing door with the same type of insulation as for the cellar walls.** Place a gasket (e.g. foam) between the door leaf and the door frame, along its entire periphery.
- **Use a WINEMASTER® insulated door,** lined with polyurethane foam with a gasket around its periphery.



3.2.3. Isolation from other elements

Do not put a wine cabinet or freezer, which produce heat, in the cellar. **The central heating pipes must be re-insulated** when passing through the cellar.

4. INSTALLING THE WINEMASTER® AIR CONDITIONER

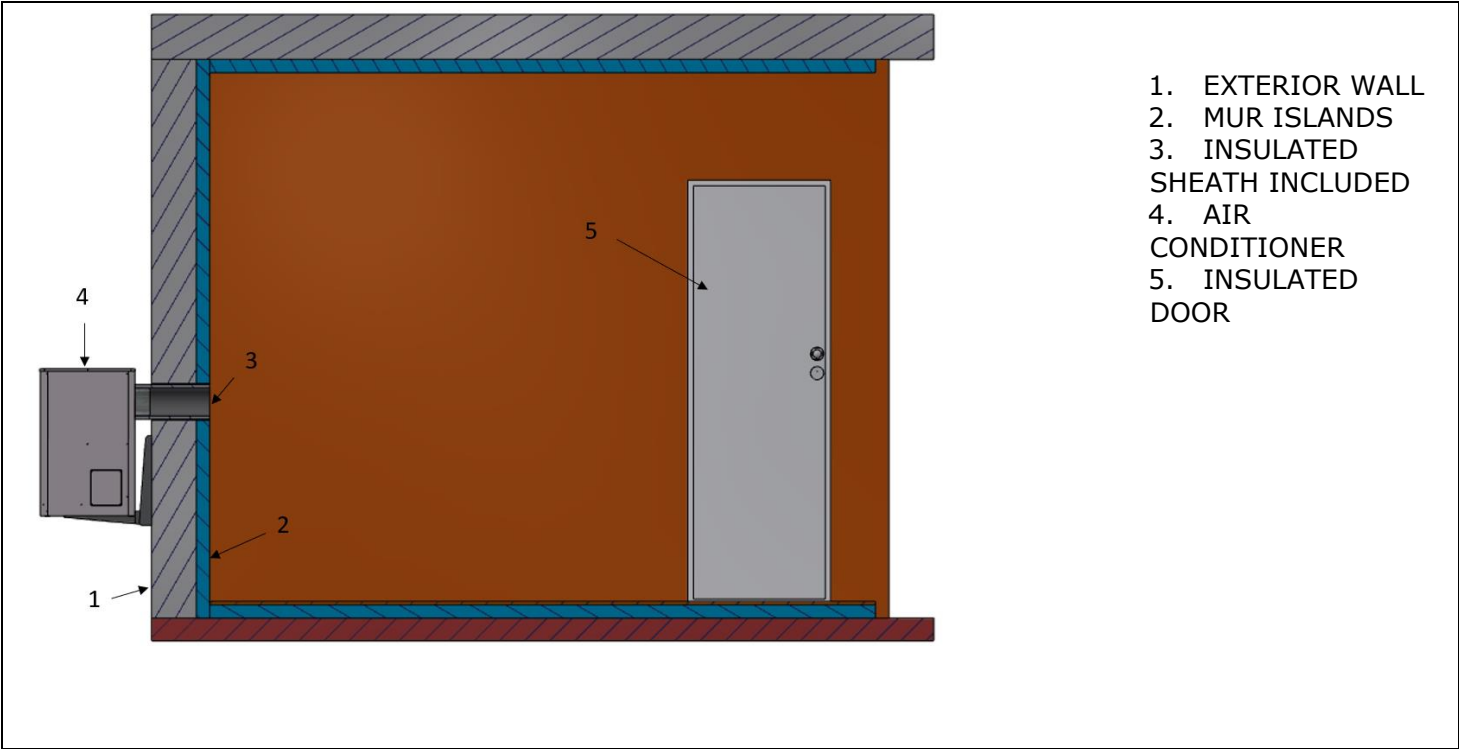


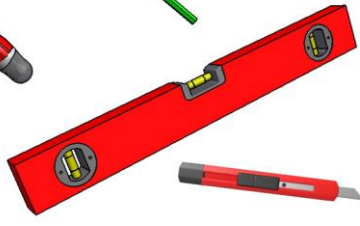
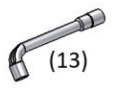
THE APPLIANCE MUST BE INSTALLED IN ACCORDANCE WITH NATIONAL ELECTRICAL INSTALLATION RULES.

WARNING

Make sure you choose the right location for the air conditioner:

- Choosing the ideal location: the shortest possible duct length
- No obstructions in front of the ventilation (facilitates the circulation of cold air flow)
- The stand or floor must be level and not transmit vibrations



 X 4  X 4  X 4       	Thermostat  Thermostat cladding  Thermostat mount  Gabarit  OUT25X 
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Tuyaux 50cm Ø125



Equerres



Notice



45cm

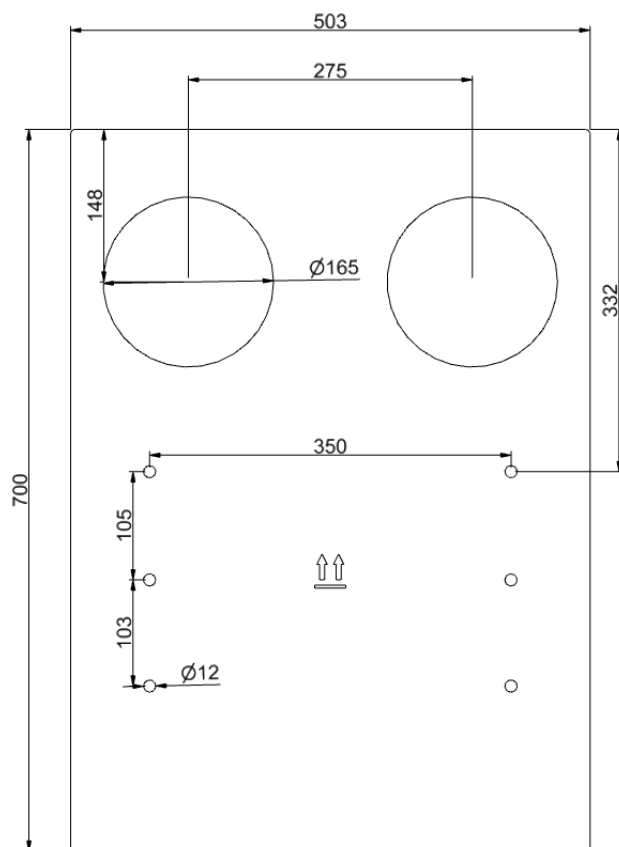
X2

X2

1**Outside**

The template provided allows you to preview the size of the machine and draw the holes to be drilled. Be careful, if the device is placed on the ground, the template is designed for the minimum height of the legs.

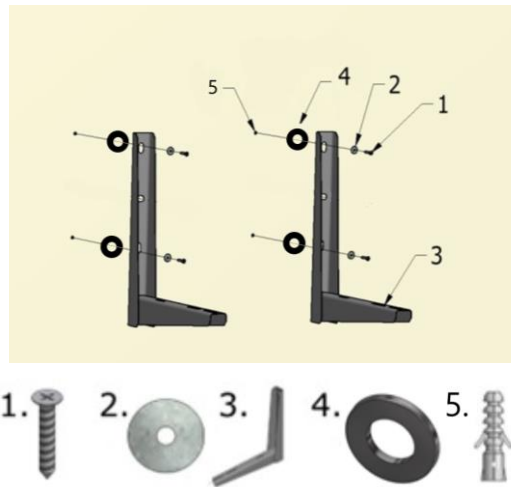
Place the drill template against the exterior wall where the WINEMASTER® air conditioner will be installed

**2**

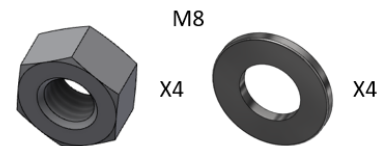
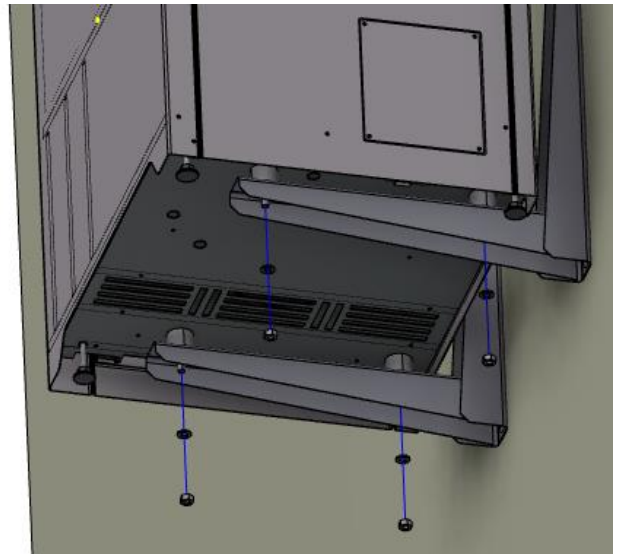
Trace the locations of the holes for the ducts on the outer side, as well as the mounting holes

3**Outside**

Drill the holes

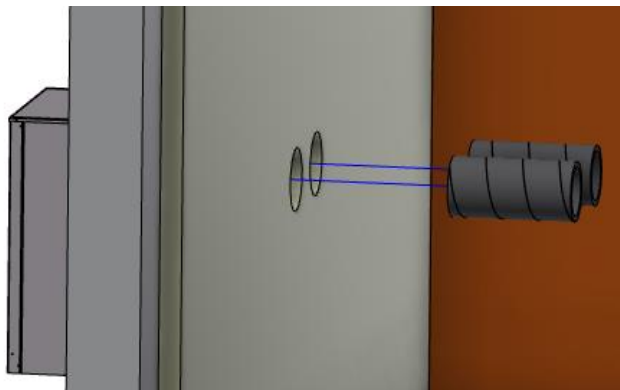
4

Unfold the brackets and attach them to the wall

5

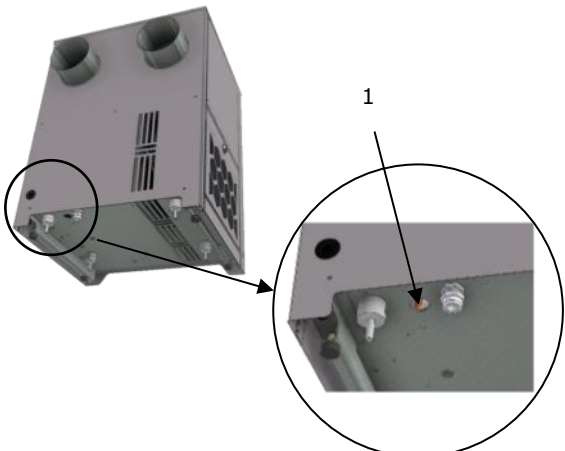
Attach the air conditioner to the brackets:

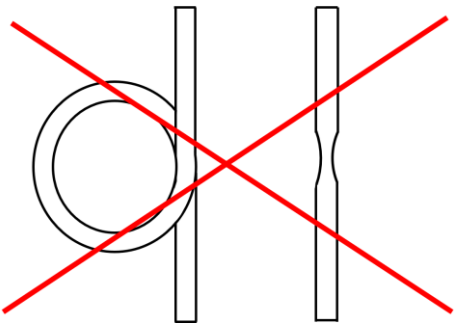
- Install the air conditioner on the brackets
- Screw in the 4 M8 nut-washer sets (13 wrench)

6

- Insert the hoses on the air conditioner

4.1. Setting up the water flow

	1. DRAIN PIPE Ø19mm X 1 meter.
- Condensation water is drained through a flexible hose integrated into the air conditioner. - The flow is by gravity. It can be connected to a sewage drain or let the water drain onto the floor.	

	 Attention THE DRAIN HOSE SHOULD NOT BE PINCHED OR LOOPED UPWARDS! The drip tray may overflow if the hose is not directed downwards
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Warning :

After transport or handling, wait 24 hours before connecting the air conditioner

5. THERMOSTAT AND ELECTRICAL CONNECTION

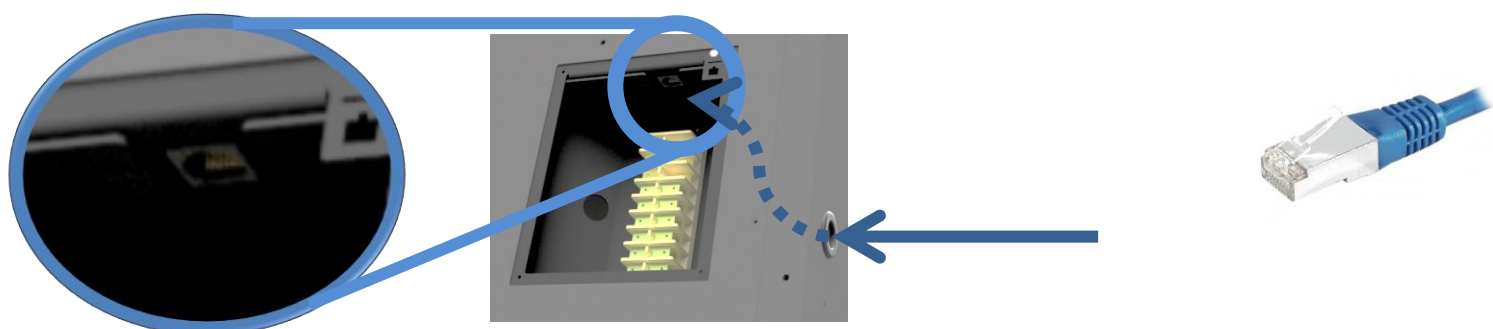
5.1. Winemaster Connect

The machine is already equipped with the device for the Winemaster Connect app. This must be connected to the digital card using an Ethernet cable (category 6). The cable is designed to pass through the grommet behind the machine. The opening of the hood must **IMPERATIVELY BE DONE OFF** power.



WARNING Handling to be done with the machine unplugged!

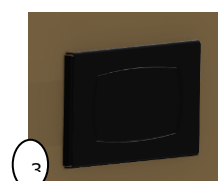
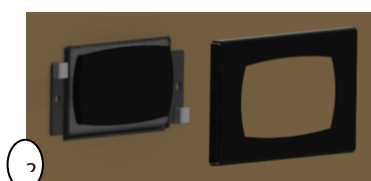
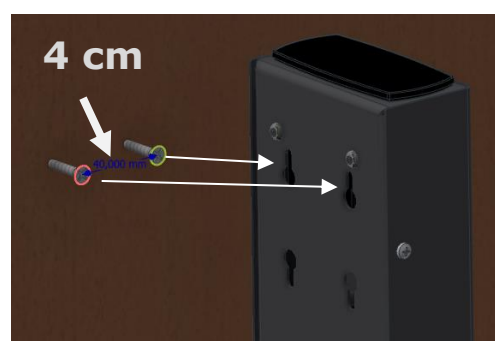
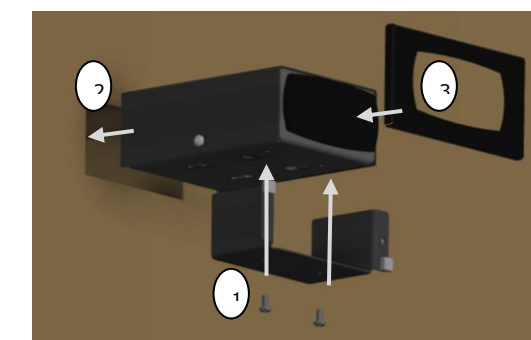
The application allows the user to follow the temperature evolution of his cellar. It also allows the after-sales service to quickly identify the source of a possible problem.



5.2. Installing the thermostat

An outdoor thermostat is supplied with the machine. This can be placed inside or outside the air-conditioned room. But it absolutely must not be outside the building or the premises, it must be indoors, sheltered from the weather. It can also be linked to the Winemaster Connect app. A complete instruction manual is provided with the thermostat, for its installation and integration with Winemaster Connect.

The thermostat can be placed on the front against a wall or through a wall



The probe should be placed towards the return air area as shown in the diagram on page 5. It is advisable to make sure that the tip of the probe does not touch the bulkhead and is in the airflow.

The thermostat has a 5-wire waterproof male connector and the machine has this one as female. The thermostat must be connected to the machine using this cable. The thermostat must be plugged **in** **MUST BE OFF**



5.3. Connecting the WINEMASTER® AIR CONDITIONER

The electrical connection of the machine is done using the connection cable



If the power cable is damaged, it must be replaced by the manufacturer, its service department or similarly qualified persons in order to avoid danger.

WARNING



ATTENTION

The power outlet must be accessible after installation.

When you plug in the power outlet,
The temperature of the cellar is displayed:



The thermostat is stuck and displays
"Loc" if the display is pressed.

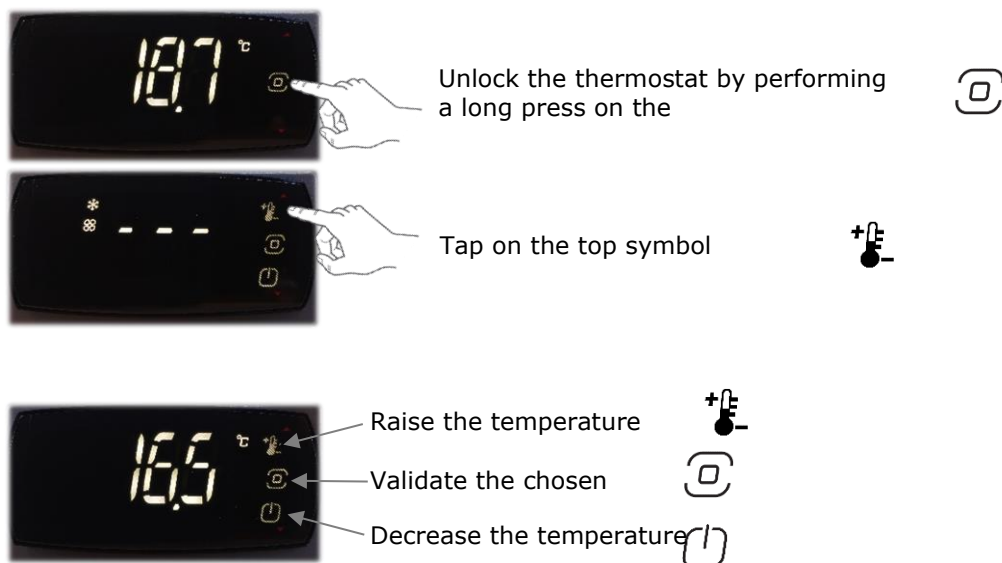


- If the temperature of the cellar is higher than the thermostat setting: the air conditioner turns on after 2 minutes
- If the temperature of the cellar is lower than the thermostat setting, the compressor will not start. Only the fan on the cellar side works.

The thermostat displays the temperature of the air inside the cellar, within a range of 2°C. This variation in air temperature leads to a smaller variation in that of wine due to the thermal inertia of the liquid. The thermostat is set to the set temperature of 12°C from the factory. When the air conditioner is switched on, this temperature should be checked and, if necessary, changed by following the procedure below.

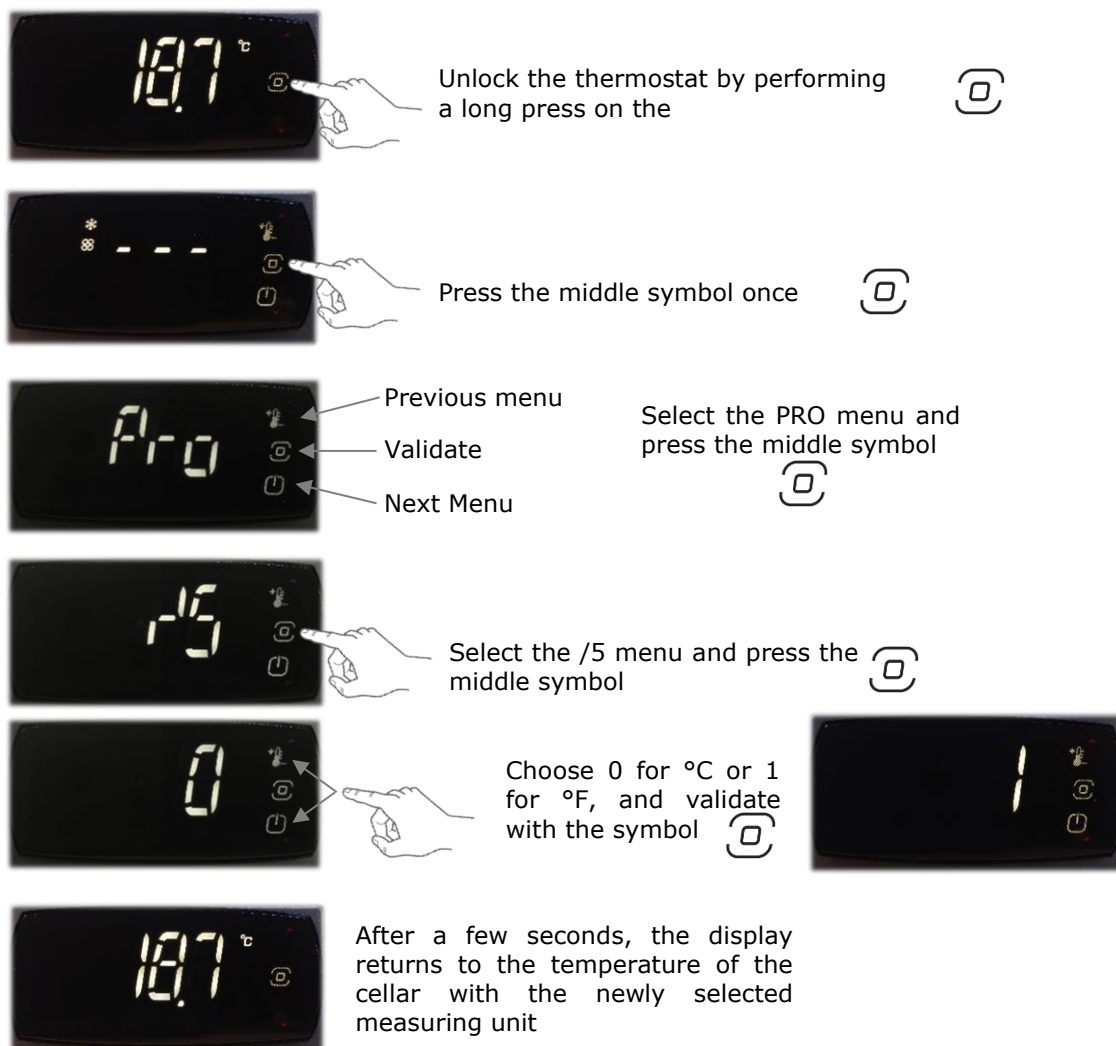
5.4. Temperature control of the WINEMASTER® AIR CONDITIONER

Setting the set temperature is done on the thermostat:



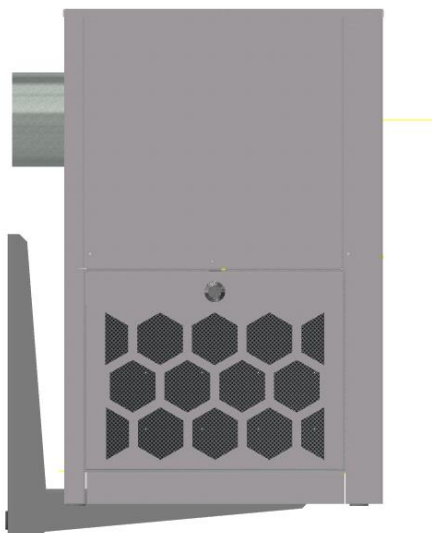
5.5. Setting the unit of measurement

The unit of measurement for temperature can be changed to °C or °F:



6. CARE AND MAINTENANCE OF THE WINEMASTER® AIR CONDITIONER

6.1. Filter change



- Open the honeycomb grid
- Cleaning the WINEMASTER filter and the honeycomb grid
- Close the grill properly

WHAT TO DO FOR THE FILTER:

- Check-up: every 3 months
 - Clean: 1 time a year
- FILTER TOO DIRTY = DAMAGED AIR CONDITIONER**



Attention

TO DO FOR THE EXTERIOR GRILLES:

- Cleaning (foliage, etc.): regular (depending on use)

WHAT TO DO FOR THE DRAIN PIPE:

- Check that it is not clogged, clean if necessary.

6.2. Condensate drain hose

Be sure to check (pinch possible) and clean this hose at least once a year. As a reminder, this hose should not be pinched or looped upwards.

7. THE WARRANTY

6.1. Legal Warranty

The legal warranty for hidden defects and defects applies according to the conditions of Articles 1641 et seq. of the Civil Code. The legal guarantee of conformity applies in accordance with the conditions of Article L217-1 et seq. of the Consumer Code.

6.2. 2-year contractual warranty

The air conditioner comes **with a 2-year warranty** against any manufacturing defects. During the contractual warranty period, WINEMASTER will replace any part found to be defective. In the event of an electrical failure, WINEMASTER will replace any part found to be defective following the diagnosis of the qualified dealer or his service provider. In the event of a refrigeration breakdown, WINEMASTER may request a return to the workshop for repair, following the diagnosis carried out by the qualified dealer or his representative. The equipment must be packed and made available to the WINEMASTER carrier for collection.

Interventions and returns must be carried out with the written agreement of the WINEMASTER after-sales service.

6.3. Conditions of application of the warranty

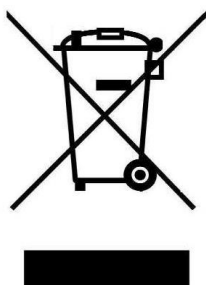
The contractual warranty applies to all devices installed and used in accordance with the "Installation and User Guide". Its application is conditional on the presentation of the purchase invoice or, failing that, a copy of it.

6.4. Exclusions and Limitations of Warranty

The warranty is refused in the following cases:

- Cellar insulation and installation were not carried out in accordance with this guide.
- The damage is due to negligence, poor maintenance, improper use of the WINEMASTER® air conditioner (in particular clogging of the filters).
- Exchanges of parts or their refurbishment under the warranty shall not have the effect of extending the warranty.

Under no circumstances can WINEMASTER be held responsible for any direct or indirect consequences related to the non-functioning of the air conditioner. **The warranty is limited to the product supplied by WINEMASTER only.**



The European Community, which attaches great importance to the environment and waste treatment, has implemented Directive 2012/19/EC on Waste Electrical and Electronic Equipment (WEEE).

In accordance with this standard, the presence of the "crossed-out bin" logo is mandatory.

This logo means that this product **cannot be disposed of in household waste under any circumstances**. It must be handed over to an appropriate collection point for the treatment, recovery and recycling of waste electrical and electronic equipment.

By doing so, you are doing something for the environment and contributing to the preservation of natural resources and the protection of human health.