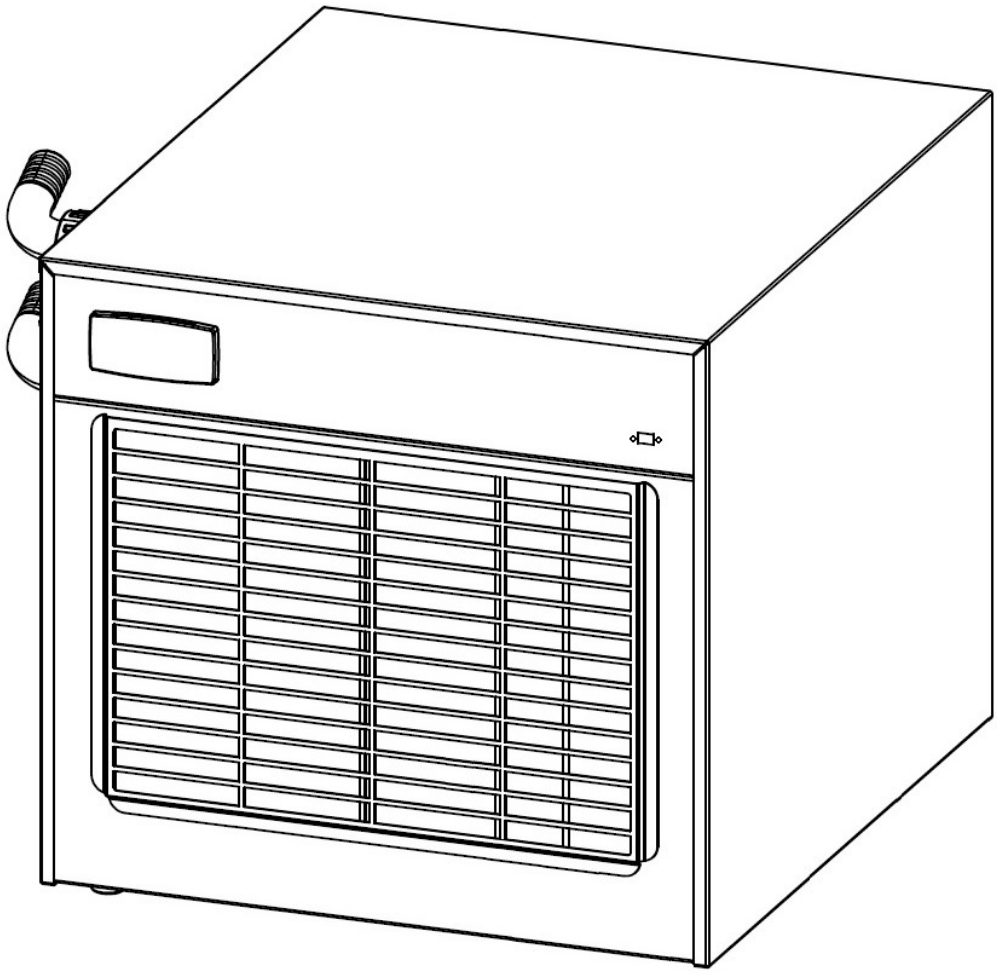
INSTALLATION, USE AND MAINTENANCE MANUAL

CPC# CHILLER LINE
Model: CP7



Language: English - cod. 6.1.210.0.02 - 10/2025

Introduction

This installation, use, and maintenance manual has been prepared for those responsible for installing the appliance and for those tasked with using or operating the appliance. We recommend that you carefully read this manual, follow safety precautions, and ensure proper installation.

The user manual contains important instructions and information on how the appliance can be used safely, professionally, and economically.

This manual is intended to be consulted by all individuals involved in the lifecycle of the appliance and should therefore be kept and made accessible to the user at all times.

The chiller may only be installed and used after reading this manual in its entirety and following the instructions provided therein.

FIGURE

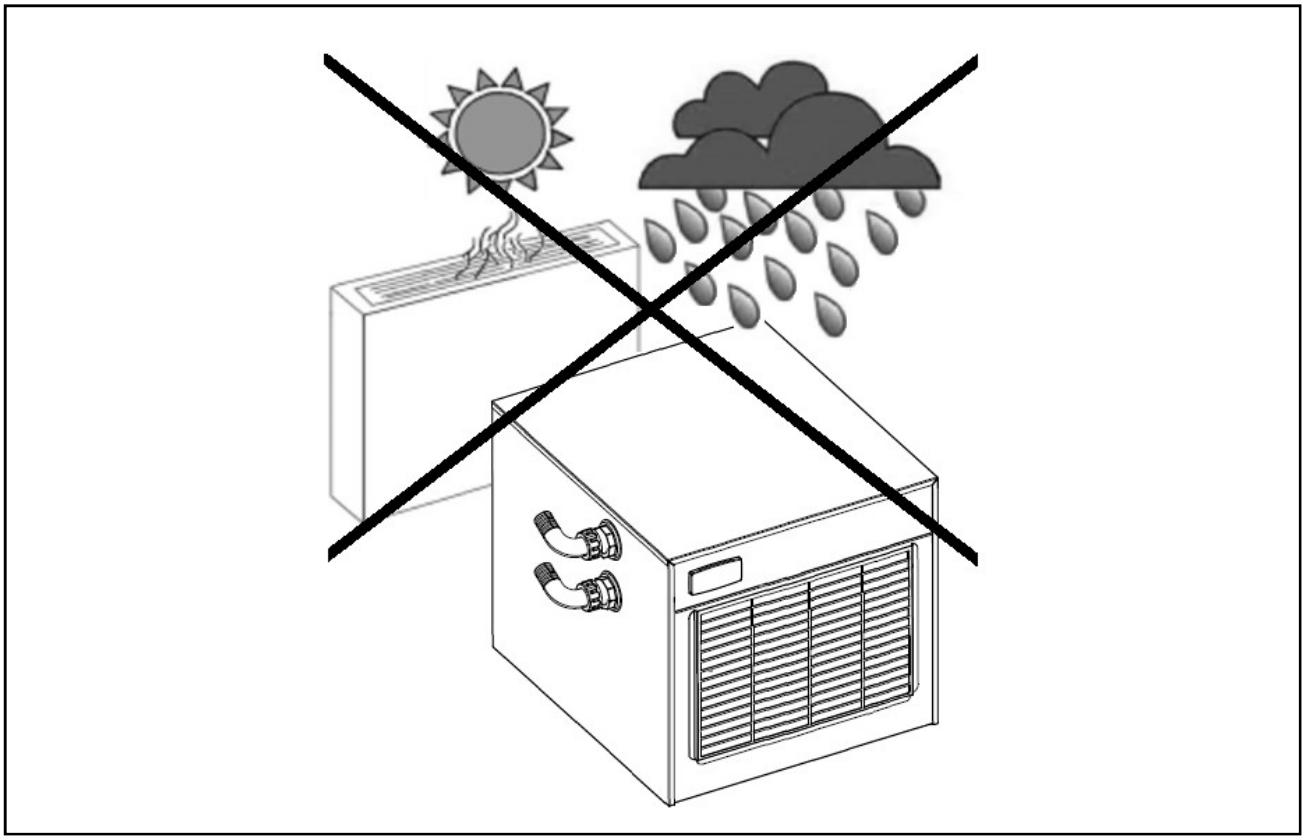


FIG.1

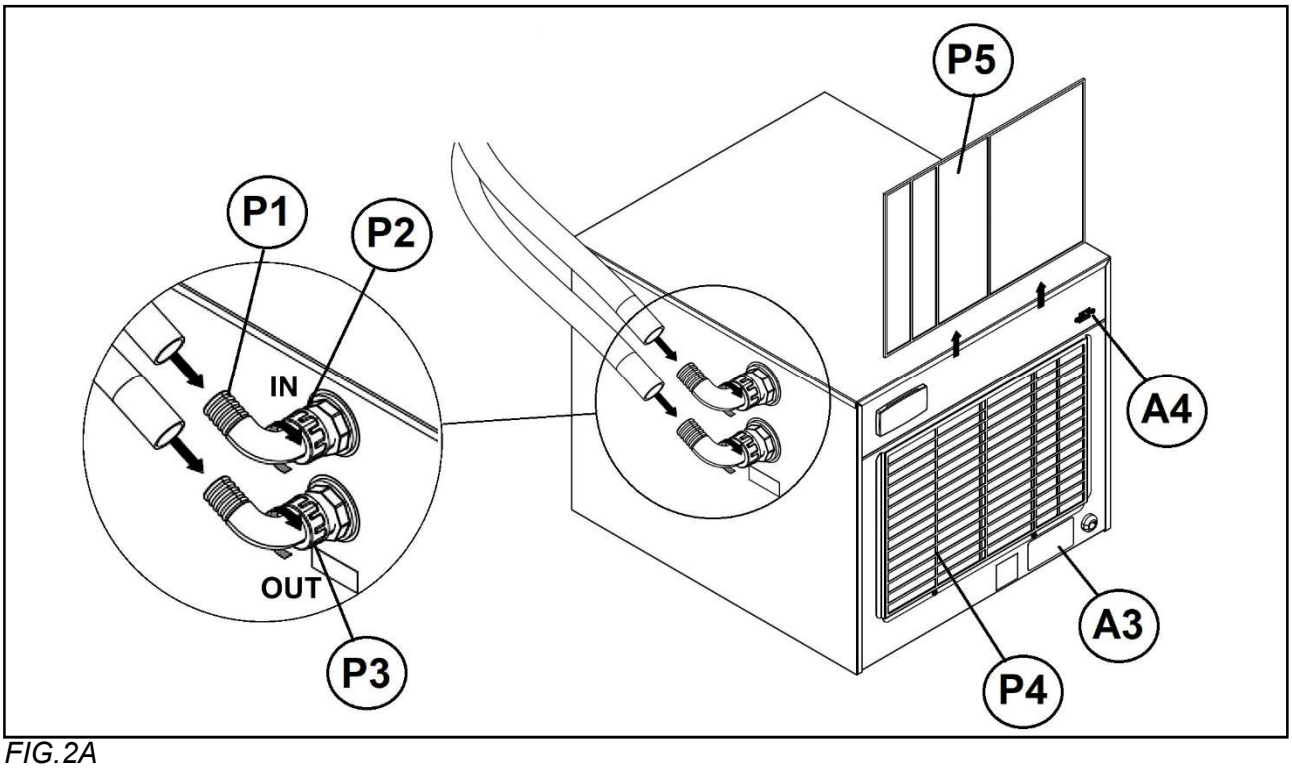


FIG.2A

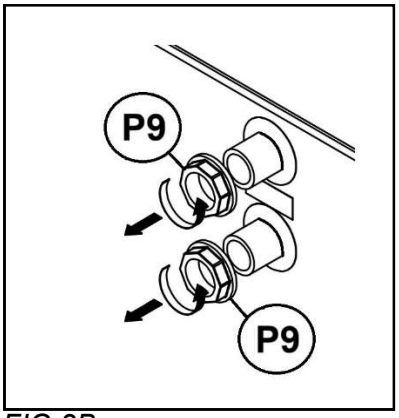


FIG.2B

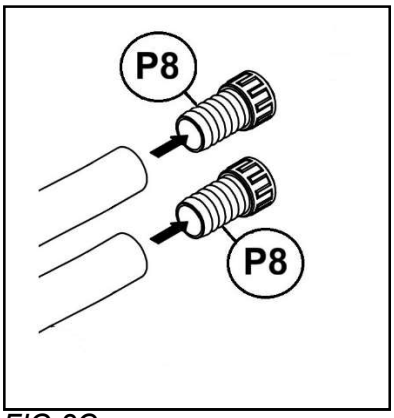


FIG.2C

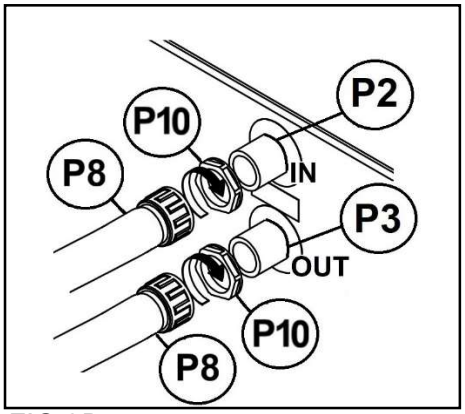


FIG.2D

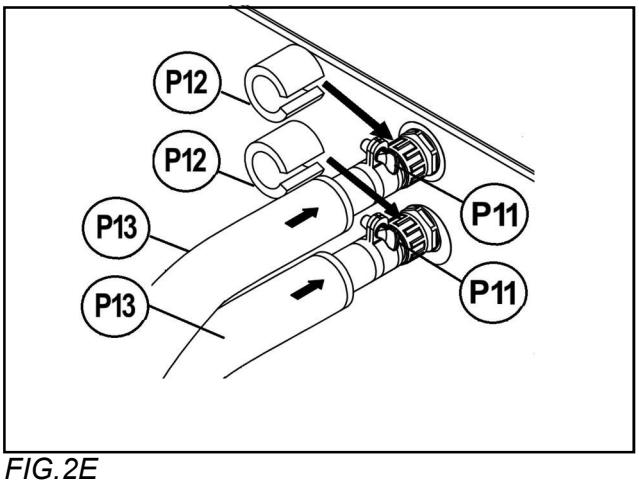


FIG.2E

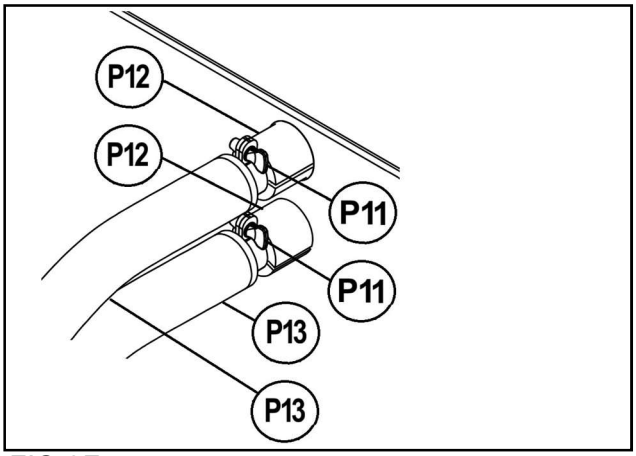


FIG.2F

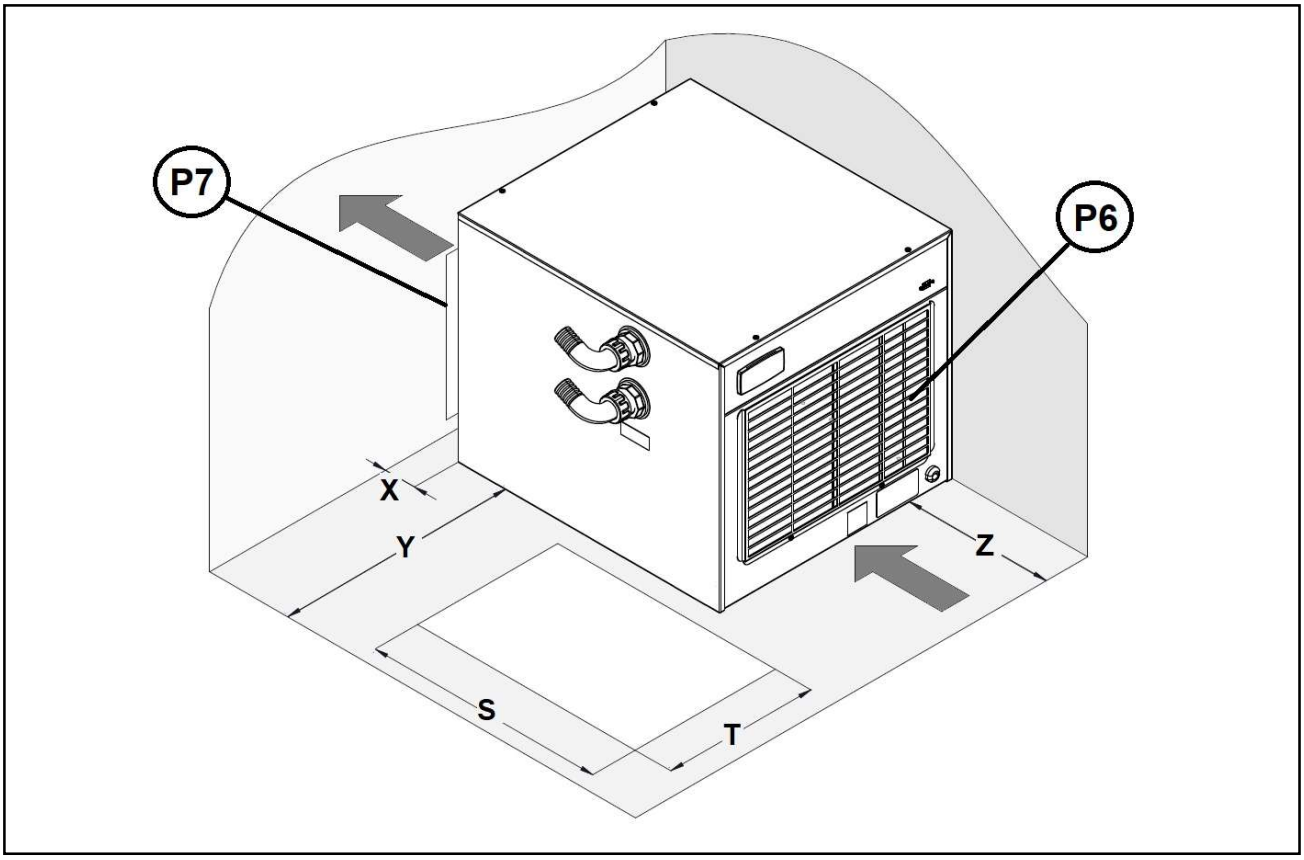


FIG.3

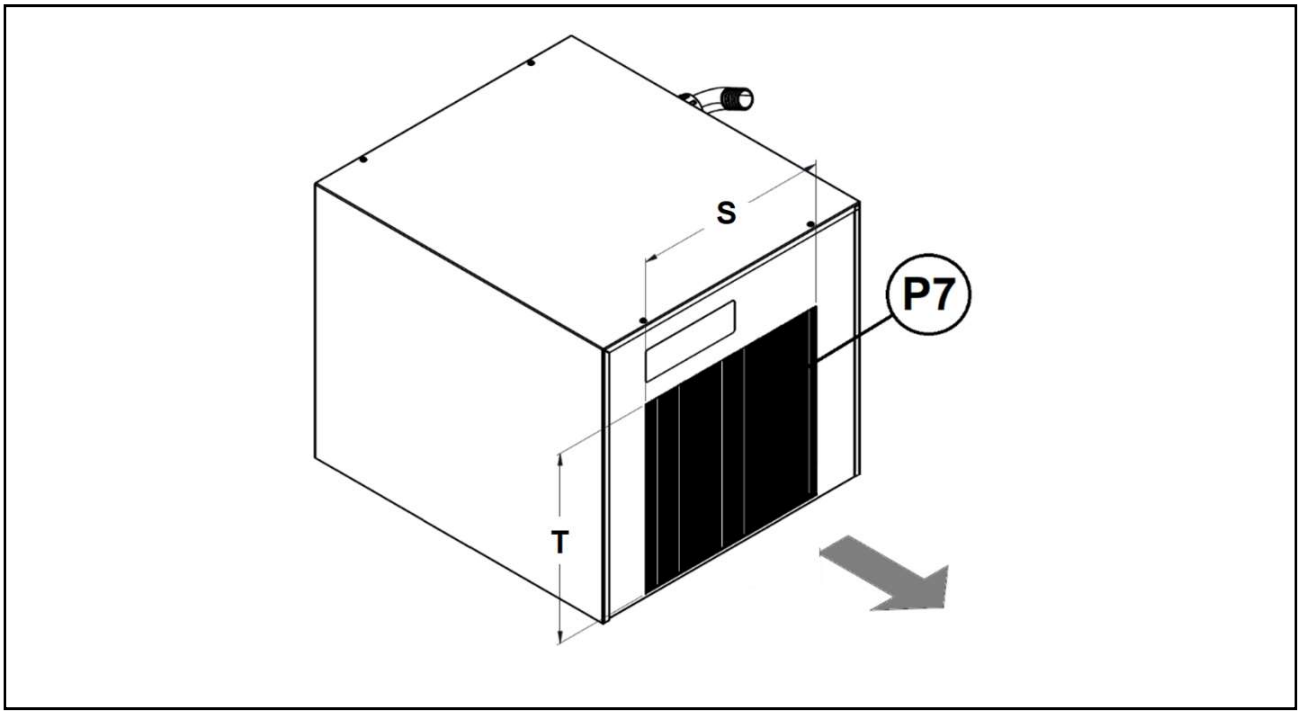


FIG.4

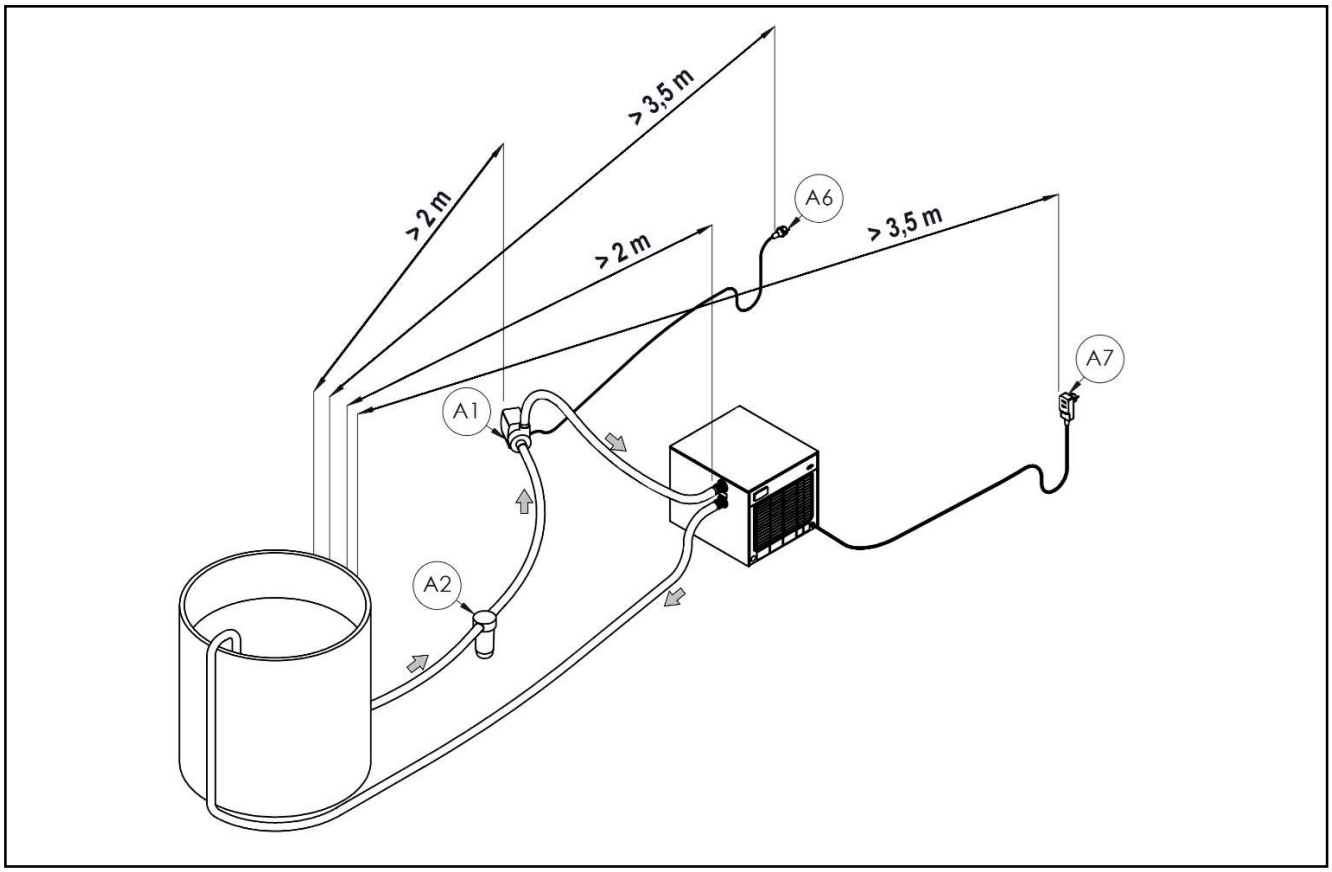


FIG.5A

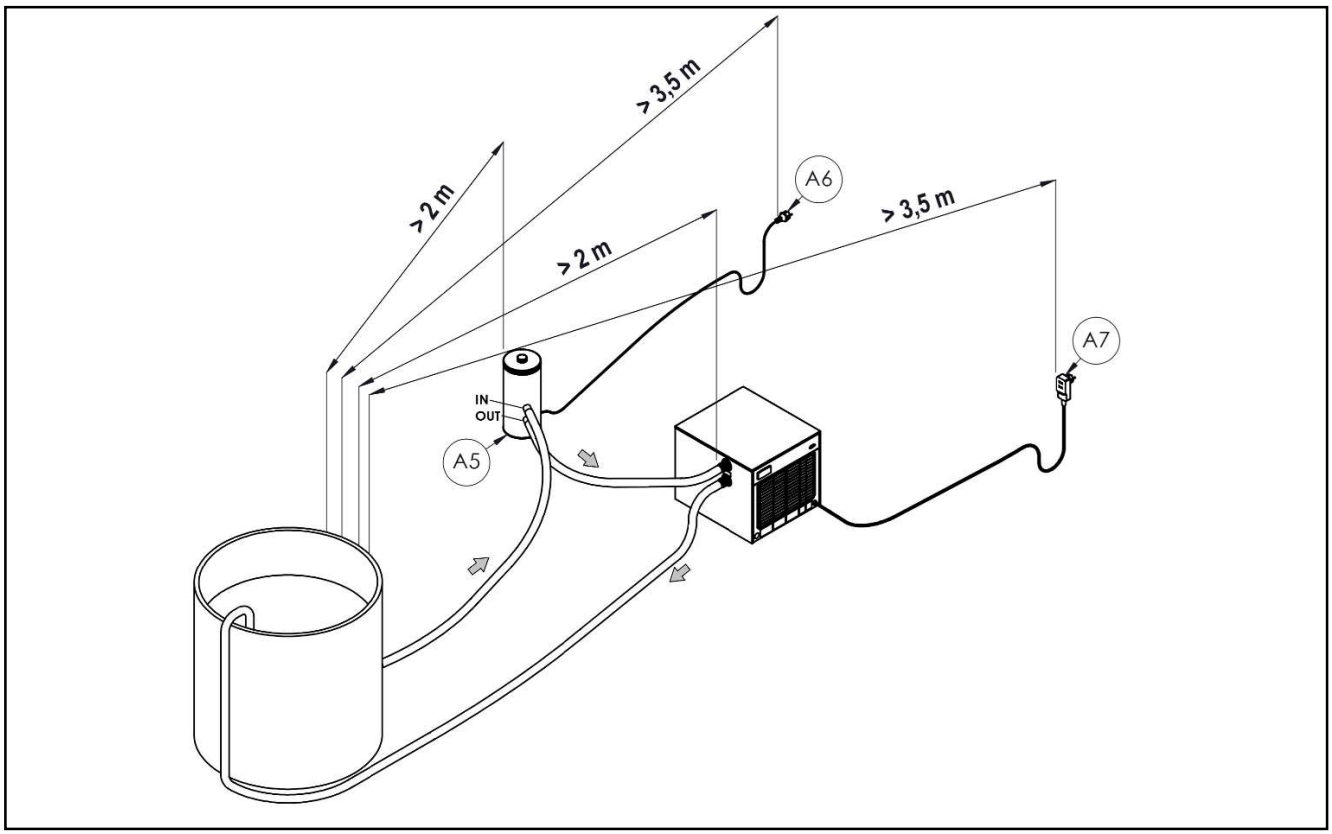


FIG.5B

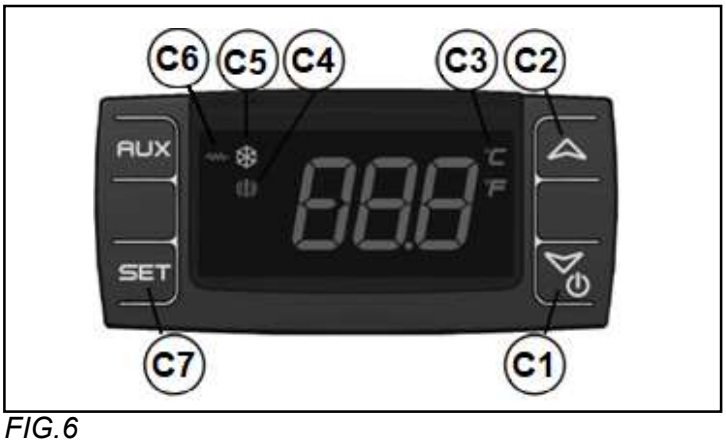


FIG.6

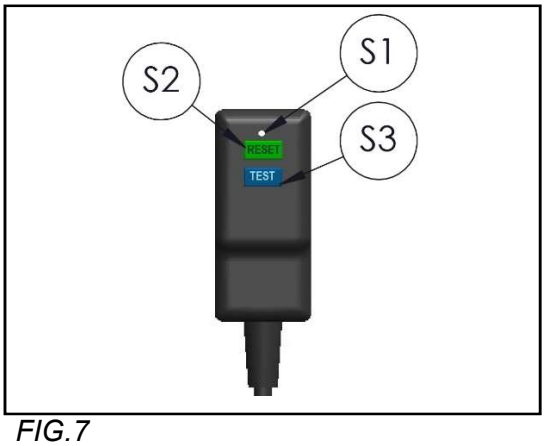
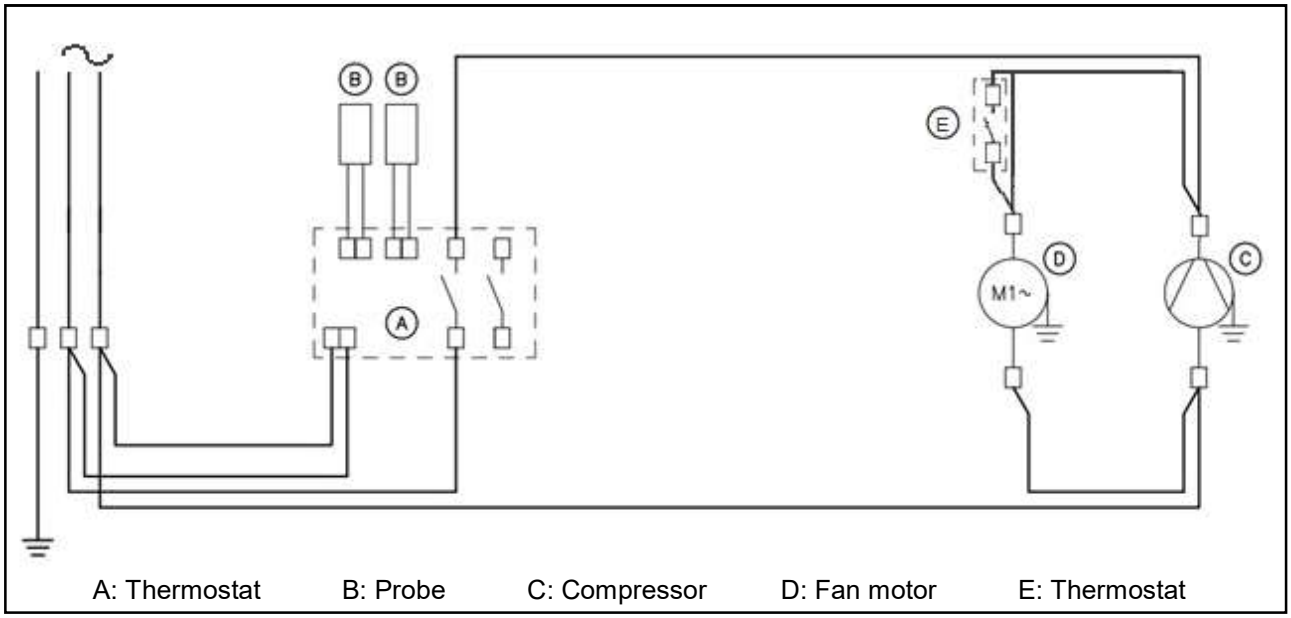


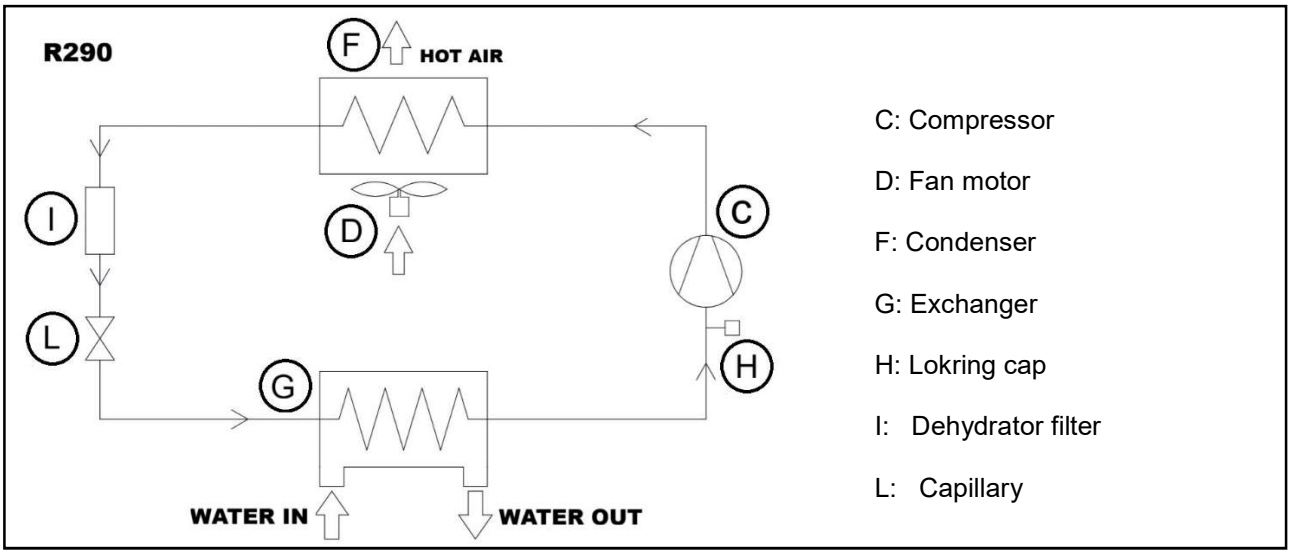
FIG.7

WIRING DIAGRAM



A: Thermostat B: Probe C: Compressor D: Fan motor E: Thermostat

REFRIGERATION DIAGRAM



C: Compressor

D: Fan motor

F: Condenser

G: Exchanger

H: Lokring cap

I: Dehydrator filter

L: Capillary

CONFORMITY CE STATEMENT

I, the undersigned, MASSIMO TURCI, Legal Representative of the Company TECO S.r.l.
with Registered Office at Via Gregorio Ricci Curbastro, 8 - 48124
Fornace Zarattini, Ravenna, Italy VAT No. 01075610392

declares under his own responsibility that appliance
type: **REFRIGERATOR**
model: **CP7**
serial number: **from F25J0000 to F25L9999**
year of manufacture: **2025**

to which this statement refers, complies with following Regulations:
2006/42/CE MACHINERY DIRECTIVE
2014/30/EU ELECTROMAGNETIC COMPATIBILITY DIRECTIVE
2012/19/UE RAEE DIRECTIVE
2011/65/UE RoHS DIRECTIVE

The undersigned also declares that he keeps the relevant technical documentation of the appliance covered by the following declaration at the premises of TECO S.r.l.

CE

The Legal Representative
Massimo Turci

Ravenna 22/10/2025

SUMMARY

1. INSTRUCTION MANUAL

1.1.1 IMPORTANT WARNINGS

NOTE: Please keep these instructions for future reference.

- Do not insert fingers or foreign objects into the air grilles. This may cause injuries due to blade rotation.
- Do not scratch or pull the power cord.
- If you notice an anomaly (burning smell, etc.), disconnect the power and contact the dealer. If the unit continues to operate abnormally, there is a risk of fire, breakage, etc.
- If the power cord is damaged, it must be replaced by the manufacturer, dealer, or qualified technical personnel to avoid hazards.
- Repairs should not be carried out by the user but only by technical personnel. Incorrectly performed repairs can lead to fire or electrical shock.
- Disconnect the power before performing any maintenance on the aquarium.
- Ensure that the electrical supply characteristics match those indicated on the "technical data" plate affixed to the appliance.

WARNING: This product is not suitable for children under eight years of age. It is essential to ensure that children do not play with the device. This device is not intended for use by persons (including children) with limited physical, sensorial or mental abilities, or lacking in experience and know-how, unless supervision or instructions for using the device are provided by the person responsible for their safety. Cleaning and maintenance shall not be made by children without supervision.

WARNING: Modifications or repairs made by the user without written authorization from TECO S.r.l. will void the warranty and release TECO S.r.l. from any liability for damages caused by a defective product. The same considerations apply when using non-original or different replacement parts not explicitly indicated by TECO S.r.l.

WARNING: Read the instruction manual carefully before performing any operation.

WARNING: Provide adequate ventilation for the chiller, and do not obstruct the free flow of air around the chiller.

WARNING: Do not insert fingers or foreign objects into the appliance grille

WARNING: Do not use the appliance with the air filter and grille removed or damaged.

WARNING: If excessive noise levels or vibrations are encountered during operation, switch off the appliance and do not use it until full restoration.

WARNING: Do not damage the refrigerant circuit.

WARNING: The appliance contains flammable R290 gas. Any service work must be performed exclusively by experienced personnel trained in R290 gas handling procedures.

WARNING: To prevent hazards due to the appliance's instability, it must be properly secured according to the instructions.

WARNING: The operator must be able to verify, from all accessible positions, that the device is electrically disconnected from the power supply.

WARNING: Do not use the product if it is damaged.

WARNING: Do not use the product if the personal protection plug or the power cord is damaged.

WARNING: The chiller must be powered via a residual current device (RCD) in the fixed electrical system of the building, with a rated residual current not exceeding 30 mA.

WARNING: The chiller must be positioned at a horizontal distance of more than 2 meters from the edge of the bathtub.

WARNING: The socket into which the chiller's plug is inserted must be at a horizontal distance of more than 3.5 meters from the edge of the bath tub.

WARNING: Disconnect the chiller from the power supply before using the bathtub.

1.2 PERSONNEL QUALIFICATIONS

All personnel involved in the operation, installation, inspection, maintenance and repairation of the appliance must be qualified to perform their assigned tasks. If the personnel do not already possess the necessary knowledge and skills, appropriate training and education must be provided.
All personnel involved in operation, installation, inspection, maintenance and repair must be over 18 years old.
Always organize repair activities with consideration for the activity, health, and safety of the personnel, and ensure compliance with all safety requirements for the appliance, adhering to the regulations and laws in force concerning safety and health.

REQUIRED QUALIFICATIONS:

- CERTIFIED REFRIGERATION TECHNICIAN FOR USE WITH FLAMMABLE REFRIGERANTS: Qualified technician capable of working on refrigeration systems containing flammable refrigerants.

1.3 WARRANTY

The appliances manufactured by TECO S.r.l. are covered by a WARRANTY provided by the authorized dealer from whom the purchase was made, as required by the legal provisions of the country in which they are marketed. If, during the validity period, there are faulty operations or malfunctions of appliance parts that fall within the warranty terms, the authorized dealer, after appropriate checks on the appliance, will proceed with the repair or replacement of the defective parts. To claim warranty coverage, it is necessary to provide the documentation required by the legal provisions of the country in which the appliance is marketed, and comply with the conditions specified by your dealer or TECO's authorized service center.

1.4 MANUAL ORGANIZATION/CONSULTATION METHODS

1.4.1 MANUAL STRUCTURE

The manual is divided into chapters, which gather all the necessary information by topic to use the product without any risk.

1.4.2 DESCRIPTION OF PICTOGRAMS

The purpose of safety signage is to quickly and easily draw attention to areas where it has not been possible to eliminate residual risks inherent in operation. Below are the safety symbols applied and their meanings:

WARNING: This symbol indicates safety regulations for the operator and/or any exposed individuals.

CAUTION: This symbol signifies the possibility of causing damage to the product and/or its components.

NOTE: This symbol conveys useful information.

This symbol is a warning and indicates a fire hazard or flammable material.

This symbol is a warning and indicates an electrical hazard.

This symbol indicates an earth terminal for protection against electrical shocks.

This symbol indicates to read the manual carefully.

1.5 PRODUCT DESCRIPTION

The appliance is suitable for cooling the water contained in tanks for domestic and/or commercial sports recovery. The appliance must not be used for purposes other than those specified above. Using it for purposes other than its intended use may lead to hazardous conditions.

1.5.1 TECHNICAL DATA AND SPECIFICATIONS

Specifications	**Model**
	CP 7
Power supply[1]	230V - 50Hz
Power Consumption	600 W
Water Inlet/Outlet	Curved fittings for hose ID 25 mm (Ref. P1 Fig. 2A) Straight fittings for hose ID 33 mm (Ref. P8 Fig. 2B) 3
Water flow required[2]	1300 l/h ÷ 2000 l/h
Maximum Pressure	100 kPa - 1 bar - 14,4 PSI
Weight	26,2 kg
Dimensions	500 x 475 x 395 (h) mm
Refrigerant[1]	R290

All data is indicative and subject to change without notice by TECO.
Refer to the technical data label Ref. A3 Fig.2. Contact TECO for other power supplies.
[2]The indicated flow is the actual flow, not the maximum flow of the pump. Please contact the distributor for pump selection.
3 Fittings not supplied with the chiller

Tab. 3-1

1.6 GENERAL CONDITIONS OF USE

1.6.1 ALLOWED USES

To correctly use the appliance, it is advisable to follow the following guidelines:

- The appliance described in this manual has been specifically designed for cooling water.
- The appliance is suitable for operation in environments with an ideal operating temperature between +10°C e i +38 °C (50°F – 100°F)
- The appliance must be installed on a flat surface.
- Any operation involving manual actions on the appliance must only be done when the appliance is stationary.
- ⚠ **WARNING**: **Use a pump that, once installed in the system, generates a flow rate greater than 1300 l/h.**

A different use than intended, and a process with parameters that do not comply with the limit characteristics, can damage the equipment and represent a risk to the safety of operators. Therefore, failure to comply with the technical parameters in question may constitute an abnormal condition, also in terms of personnel safety.

1.6.2 PROHIBITED USES

Using the appliance in contrast to the recommended usage guidelines constitutes non-compliant usage. Here are the guidelines:

- It is prohibited to use the appliance in areas with high heat and direct radiation exposure.
- It is prohibited to use the appliance in areas with potentially explosive atmospheres.
- It is prohibited to use the appliance in excessively dusty areas and/or in the presence of a high concentration of solid particulates in the air.

- It is prohibited to introduce water into the refrigeration unit at a temperature exceeding 30°C (86°F) or lower than 3°C (38°F).
- The appliance must not be used while the bathtub is in use.
- The appliance must not be used with an actual water flow less than 1300 l/h.

1.7 INSTALLATION AND OPERATION

⚠ **WARNING: If the appliance is dropped or subjected to impact, it must be fully inspected by qualified personnel.**
Unpacking and handling of the appliance must be carried out by two persons.

⚠ **WARNING: Unpacking and installation of the appliance must be carried out by persons over 18 years of age.**

⚠ **WARNING: Wear safety shoes and protective gloves during unpacking and installation.**

1.7.1 PACKAGE CONTENTS

Upon opening the cardboard box, please check for the presence of all accessories:
- n.1Installation, usage, and maintenance manual
- n.2 Curved fittings for hoses ID 25, gaskets included n.2 (Ref. P1 Fig. 2A)

Verify through the technical data label (Ref. A3 Fig. 2A) that the appliance contained in the packaging matches the purchased model.
In the event of purchasing the optional pump kit KPOM01, this will contain:
- n.2 straight fittings for hoses ID 33 mm (Ref. P8 Fig. 2C)
- n.2 gaskets for fittings
- n.2 lock-nuts (Ref. P10 Fig. 2D)
- n.1 pump (Ref. A5 Fig. 5B)
- n.1 instruction manual for the pump
- n.2 corrugated hoses ID 33 mm length 3 m
- n.1 corrugated hose ID 33 mm length 1.5 m
- insulating tube for hose ID 33 mm (Ref. P13 e P12 Fig. 2E e 2F)
- n.6 hose clamps to secure the corrugated hose to fittings (Ref. P11 Fig. 2E e 2F)
- pump accessories (see pump instruction manual)

1.7.2 UNPACKING THE APPLIANCE

⚠ **WARNING: Do not overturn the packaging or the appliance. Keep the packaging intact for future handling.**
1) Cut the two straps.
2) Remove the upper cardboard.
3) Remove the top protection and corner protections.
4) Remove the plastic bag.
5) Two people grasp the base of the appliance from opposite sides and move it to the chosen installation location.

FIG.8

1.7.3 APPLIANCE INSTALLATION AND OPERATION

⚠ **WARNING: Installation must not be carried out by the user but only by qualified technicians.**

⚠ **WARNING: During installation of the appliance, you must always ensure adequate lighting. If the ambient lighting is insufficient, use portable lighting devices.**
1) Do not install or attempt to repair the appliance if it has been damaged during transport.
2) Do not connect the power cord to the electrical supply unless specifically required..
3) To ensure the proper operation of the appliance under safe conditions, it is strictly forbidden to expose it to weather conditions and direct heat sources (Fig. 1). The temperature in the installation environment should be between +10°C and +38 °C (50°F – 100°F).
4) Position the refrigerator so that the refrigerator itself and the parts containing live parts are not accessible in any way to a person inside the tank.
5) Position the chiller in a way that it cannot fall into the tank under any circumstances.

⚠ **WARNING: Install the appliance on the floor on a flat horizontal surface. When installing in a technical compartment, verify that the installation location is stable and secure.**

⚠**WARNING:** Ensure that the air intake (Ref. P6 Fig. 3) and air outlet (Ref. P7 Fig. 3 and Fig. 4) of the refrigerator are never obstructed, so that proper airflow is always maintained.
6) If the installation is not inside a technical room, keep the distances from the walls X, Y, Z (Fig. 3 and Tab. 1-1) and proceed to step 10.
7) If the installation is inside a technical room, maintain the recommended minimum distance and Z (Fig. 3 and Tab. 1-1). Provide an opening of size S x T (Fig. 4 and Tab. 1-1) in the cabinet wall corresponding to the hot air outlet (Ref. P7 Fig. 3-4) and position the refrigerator so that distance X is zero, i.e., against the wall where the opening for the hot air evacuation is made.
8) Provide an opening of 750 cm² to allow air to enter the compartment (Ref. P8 Fig. 3).
9) The minimum internal dimensions of the cabinet are 770x540x400(h) mm.

Hot Air Exhaust Opening	
S	280 mm
T	270 mm

Tab. 1-1

Distances from the walls	
Z	> 300 mm
Y	> 120 mm
X	= 0 mm (If the installation is inside a technical room, see points 7, 8, 9)
	> 500 mm (If the installation is not inside a technical room)

⚠ **WARNING: Use only CE certified and suitable pumps.**

⚠ **WARNING: Read the pump instructions carefully before installing it.**

⚠ **WARNING: The pump must be placed at a horizontal distance of more than 2 meters from the edge of the bathtub (Fig. 5A and Fig. 5B).**

⚠ **WARNING: The socket into which the pump's plug is inserted must be at a horizontal distance of more than 3.5 meters from the edge of the bathtub (Fig. 5A and Fig. 5B).**

⚠ **WARNING: Disconnect the pump from the power supply before using the bathtub.**
10) If you use a pump and filter not supplied by TECO S.r.l., proceed with point 10.1. If you use the optional pump kit KPOM01 supplied by TECO S.r.l., go to point 10.2.
10.1) Follow the diagram in Fig.5A and prepare the hoses as follows:
10.1.1) Insert the hose holder into the tube (Ref.P1 Fig.2A) and secure the tube to the hose holder with cable ties.
10.1.2) Screw the fitting (Ref.P1 Fig.2A) clockwise, orienting it as needed, and tighten it thoroughly.
10.1.3) When connecting the tubes, ensure that the tube coming from the pump (not provided) (Ref. A1 Fig. 5A) and/or from the filter group (not provided with the unit) (Ref. A2 Fig. 5A) is connected to the position marked as IN (Ref. P2 Fig. 2A), and that the water outlet tube from the refrigerator is connected to the position marked as OUT (Ref. P3 Fig. 2A).
10.1.4) Thermally insulate the water pipes.

CAUTION: Make sure that the water supplied to the appliance is filtered (Ref. A2 Fig. 5).
10.1.5) Go to point 11.
10.2) Follow the diagram in Fig. 5B and prepare the hoses as follows:
10.2.1) Unscrew the two lock nuts (Ref. P9 Fig. 2B) already present on the inlet and outlet water hoses.
10.2.2) Screw the two lock nuts (Ref. P10 Fig. 2B) provided in the pump kit KPOM01.
10.2.3) Insert the water hoses into the insulating tubes of compatible length, both included in the pump kit KPOM01. You will have two hoses of 3 m and one hose of 1.5 m all covered with thermal insulation.
To fully cover the 3 m pipes, connect the insulating tubes end-to-end using black adhesive tape, and trim any excess insulation.
10.2.4) Insert the fitting (Ref. P8 Fig. 2C) into the 1.5 m long corrugated hose from the pump kit KPOM01. Screw the fitting onto the inlet water hose of the chiller (Ref. P2 Fig. 2D). Secure the hose into the fitting with a clamp (Ref. P11 Fig.2E) supplied in the pump kit KPOM01. Slide the insulating tube (Ref. P13, Fig. 2E and 2F) until it reaches the clamp. Cover the fitting with the insulating sleeve.(Rif. P12 Fig.2E e 2F). Fix insulating sleeve with tape.

10.2.5) Insert the other end of the 1.5 m hose into the water outlet hose of the pump (Fig. 5B). Secure the hose onto the pump with the clamp supplied in the pump kit KPOM01.
10.2.6) Insert the fitting (Ref. P8 Fig. 2C) into the 3 m long corrugated hose from the pump kit KPOM01. Screw the fitting into the water outlet hose of the chiller (Ref. P3 Fig. 2D). Secure the hose onto the fitting with a clamp (Ref. P11 Fig.2E) supplied in the pump kit KPOM01. Slide the insulating tube (Ref. P13, Fig. 2E and 2F) until it reaches the clamp. Cover the fitting with the insulating sleeve.(Ref. P12 Fig.2E e 2F). Fix insulating sleeve with tape.
10.2.7) Connect the other end of the 3 m hose to the water inlet hose from the bathtub (Fig. 5B).
10.2.8) Take the remaining 3 m hose and insert one end on the water inlet hose of the pump. Secure the hose onto the pump with the clamp (Ref. P11 Fig.2E) supplied in the pump kit KPOM01. Connect the other end into the water outlet hose from the bathtub (Fig. 5B).
11) Position the appliance in the chosen location, ensuring visibility of the instrument.

⚠WARNING: The chiller must be installed at a horizontal distance of more than 2 meters from the edge of the cold plunge tub (Fig.5A e Fig.5B).

❗ CAUTION: The appliance must be installed at a height lower than the water level.

❗ CAUTION: Do not position the appliance above the tank.

⚠WARNING: When positioning the appliance, ensure that the power cord is not trapped or damaged.

⚠ WARNING: Do not install the appliance near sources of heat.

⚠ WARNING: Do not install the appliance in areas exposed to rain or adverse weather conditions.

12) Start the pump if necessary. Ensure that the water circulates smoothly within the circuit and that there are no leaks. In case of hydraulic circuit anomalies or leaks, review the connections. Verify that the water flow matches the requirements specified in Table Tab.3-1. If the flow is too low, consider using a more powerful pump.

13)❗ CAUTION: To avoid damage, the appliance cannot operate without water circulation (pump off) and with an actual water flow different from what is indicated in Table Tab. 3-1.

14) With the pump in operation, make the electrical connection of the chiller to the electrical network as described in point 1.7.4. The display will show the word OFF.

⚠WARNING: Connect only the TECOnnect Wi-Fi module (not supplied) to RJ45 connector (Ref. A4 Fig.2A). Do not connect any other device to this connector.

1.7.4 ELECTRICAL CONNECTION

The appliance, before being placed on the market, has undergone electrical and functional testing.
The appliance is supplied with a power cord fitted with a plug incorporating an RCD with a residual operating current of 10 mA. The installer must connect the plug to a socket supplied by an electrical system that complies with applicable safety regulations.

⚠WARNING: The appliance must be connected exclusively to a socket with a proper protective earth, with adequate resistance as verified by the electrical installation certification.
Check the integrity of the power cord.

⚠WARNING: The socket into which the chiller plug is connected must be located at a horizontal distance of at least 3.5 meters from the edge of the bathtub.

⚠WARNING: Ensure that the power cord is never subjected to tension and is not placed in contact with heat sources.

⚠WARNING: Check the integrity of the power cord.

⚠WARNING: Protect the plug from extreme temperatures, direct sunlight, pulling forces, flammable refrigerants, steam and solvents.

⚠WARNING: Do not immerse the plug in water.

⚠WARNING: Do not disconnect the plug by pulling on the power cord.

⚠WARNING: Do not use the appliance if the power cord or the plug with integrated RCD is damaged. Do not touch the plug or any part of the appliance while it is connected to the power supply. First, disconnect power at the main fixed electrical switch, then remove the plug from the socket. Repairs must be carried out by a qualified technician. Always comply with local installation and safety regulations.

⚠**WARNING: Ensure that the electrical supply characteristics match those indicated on the technical data label applied on the back of the appliance (Ref. A3 Fig. 2A).**

⚠**WARNING: Do not modify the plug. Do not remove any screw from the plug.**

⚠**WARNING: If the residual current exceeds 10 mA, the RCD in the plug will trip, cutting off power to the chiller. Ensure that the fixed electrical line supplying the appliance is protected by a residual-current circuit breaker (RCCB) with a rated tripping current not exceeding 30 mA. If there is any doubt that the fixed line is protected by an RCCB with a rated tripping current of 30 mA or less, contact a qualified electrician to verify the installation.**

⚠**WARNING: Do not connect the chiller plug to multiple outlets or extension cords.**

⚠**WARNING: If the chiller is installed in a technical compartment, do not connect its plug inside the compartment.**

⚠ **WARNING: Always connect the chiller plug to a socket located at least 1 meter away from the unit.**

1.7.5 TURNING ON, OPERATION, AND TURNING OFF OF THE APPLIANCE

1.7.5.1 PLUG SWITCH CHECK

Always test the plug switch using the TEST button before turning on the appliance.

⚠ **WARNING: If the plug switch trips when the appliance is powered on, do not use the appliance. First, disconnect power at the main electrical switch, then remove the plug from the socket**

1) Insert the plug of the appliance into the socket.
2) Press the TEST button (Ref. S3 Fig. 7) on the plug; the switch in the plug will cut power to the appliance. The plug switch will cut power to the appliance, and a sound will be emitted. Verify that the indicator light on the plug turns off.
3) Press the RESET button (Ref. S2, Fig. 7) on the plug. Verify that the indicator light on the plug turns on. The appliance is now powered.

1.7.5.2 TURNING ON THE APPLIANCE

1) By pressing the power button (Ref. C1 Fig. 6) for at least 3 seconds, your appliance will start functioning, and the water temperature will be displayed on the screen. To view the target temperature, press the SET button (Ref. C7 Fig. 6). To return to the current water temperature, press the SET button again (Ref. C7 Fig. 6) or wait for 5 seconds.

2) ❗ **CAUTION: To prevent compressor damage, a 2-minute delay has been programmed for the initial startup.**

1.7.5.3 INDICATOR ON THE PLUG

Light on: the appliance may be powered (relay in plug is closed) (Ref. S1 Fig. 7).
Light off: the appliance cannot be powered (relay in plug is open) (Ref. S1 Fig. 7).

1.7.5.4 DISPLAY INDICATIONS

❄ On: Appliance in cooling mode (Ref. C5 Fig. 6).

〰 On: Appliance in heating mode (NOT ACTIVE) (Ref. C6 Fig. 6).

❄ Flashing: Appliance ready for cooling (Ref. C7 Fig. 6).

On: Alarm condition (Ref. C4 Fig. 6).

1.7.5.5 THERMOSTAT ADJUSTMENT

Refer to Figure 6 for button identification
1) The water temperature can be set between 3°C and 15°C (38°F - 60°F). To change it:
a. Press and hold the SET button (Ref. C7) for 3 seconds. The currently set value will be displayed, and the unit of measurement icon (C or F Ref. C3) will start flashing.
b. Adjust the value using the buttons. ∧ and ∨ (Rif. C2 e C1).
c. Press the SET button (Ref. A8) to confirm the set value.
2) To adjust other parameters such as operating hysteresis (Hy) or sensor calibration (Ot). Access the programming menu by pressing and holding the SET+ ∨ (Ref. C7 e C1). The icon of the selected unit of

measurement begins to flash (C or F Ref. C3) and Hy appears. Scroll through the parameters using the buttons ∧ and ∨ (Ref. C2 and C1) until you see the desired parameter.
f. Press the SET button (Ref. C7), and the currently set value will be displayed.
g. Adjust the value using the buttons ∧ and ∨ (Ref. C2 e C1).
h. Press the SET button (Ref. C7) to confirm the set value and proceed to the next parameter.
i. Press SET + ∧ (Ref. C7 and C2) to exit the programming mode.

🔍 **NOTE: If no button is pressed for 30 seconds, all the set values will be saved, and the appliance will be ready to operate.**

Parameter	Pre-set Value	Description	Adjustment Range
Hy	1°C	This parameter regulates the hysteresis, which is the differential for the operation of the appliance	0,5 ÷ 10°C 1 ÷ 45°F
ot	0°C	This parameter adjusts the probe calibration.	Don't modify
o1	off	Activation-deactivation of the heating function. No heating function available.	Don't modify
rL	xx.x	Thermostat firmware version. Read-only parameter.	-

Tab. 1-2

1.7.6 TURNING OFF THE APPLIANCE

1) To stop the appliance, press the power button (Ref. C1 Fig. 6) for at least 3 seconds; "OFF" will appear on the display.
2) Remove the plug of the appliance from the socket.

1.8 TRANSPORT AND STORAGE

The appliance must be moved carefully in vertical position by two people. It must be placed on a flat horizontal surface.Transport of the appliance must be carried out by people over 18 years old.

⚠ **WARNING: If the appliance falls or is subjected to shocks, a full inspection by qualified personnel is required.**

⚠ **WARNING: Wear safety shoes and protective gloves during transport.**

1.9 DEMOLITION AND DISPOSAL

The label with the crossed-out waste bin symbol on the product indicates that the product should not be disposed of through the normal household waste disposal procedure. To prevent potential harm to the environment and human health, please separate this product from other household waste so that it can be recycled in accordance with environmentally responsible procedures. For more information on available collection centers, please contact your local government office or the product retailer. These instructions apply only to customers within the European Union, in accordance with the European Parliament directive on Waste Electrical and Electronic Equipment (WEEE) and the regulations governing its transposition and implementation into various national legal systems. For other countries, please contact your local government to explore the possibility of recycling your product.

1.10 MAINTENANCE

Scheduled routine maintenance includes inspections, checks, and interventions that systematically monitor the condition of various parts to prevent interruptions and breakdowns. These operations must be carried out by Qualified Personnel. Maintenance tasks should be performed in accordance with the times indicated in the following table:

Component	Frequency	Operation
Appliance	Every month	Check the tightening of the components.
	Every year	Check the integrity of electrical components and electrical cables
	Every year	Efficiency and safety checks
	Every year	Inspection of informative labels
Fan	Every month	Check the operation.
Capacitor	Every month	Visual inspection to check if it is clean or not.
Compressor	Every month	Check the mechanical operation.
Air Filter	Every month	Check and clean
Plug	Every month	Check and clean
Water filter	At least every month and according to the filter maintenance instructions.	Check and clean according to the filter instructions. Replace the filter according to the filter instructions.

Tab. 1-3

⚠ **WARNING: During maintenance of the appliance, you must always ensure adequate lighting. If the ambient lighting is insufficient, use portable lighting devices.**

⚠ **WARNING: Wear safety shoes and protective gloves during maintenance.**

⚠ **WARNING: Perform maintenance with the chiller's plug disconnected from the socket.**

1.10.1 CLEANING

1.10.1.1 AIR FILTER CLEANING

Cleaning the filter should be done at least once a month and as needed based on the level of dustiness in the installation environment. Remove the filter upwards (Ref. P5 Fig. 2) from the grid (Ref. P4 Fig. 2).Clean the filter by washing it with lukewarm water.

❗ **CAUTION: Do not use hard brushes or abrasive materials to avoid damaging the filter.**

Reposition the filter (Ref. P5, Fig. 2) behind grid (Ref. P4, Fig. 2).

1.10.1.2 PLUG CLEANING

⚠ **WARNING: Disconnect the plug from the socket before cleaning!**

Clean the plug according to the level of dust in the environment. Clean the plug with a dry non fibre shedding cloth.

⚠ **WARNING: Do not use chemical products or detergents for cleaning. The switch or plug may be damaged.**

1.10.1.3 WATER FILTER

Check and clean according to the filter instructions. If the pump kit KPOM01 is installed, the filter instructions are contained in the pump manual.

1.11 DIAGNOSTICS, ISSUES, CAUSES, AND REMEDIES

Below, we present a table that is useful for the operator to recognize the defects observed in the operation.: repairs on the appliance will be carried out by a specialized and trained maintenance technician.

⚠ **WARNING: When inspecting the appliance, make sure that adequate lighting is provided. If ambient lighting is inadequate, use appropriate portable lighting devices.**

2. SPARE PARTS

To ensure satisfactory and consistent operation, it is necessary to use exclusively original parts and accessories. The use of non-original spare parts is not recommended. In the event that this occurs, Teco S.r.l. disclaims any responsibility for any damage to persons or property resulting from non-compliance with the above instructions.

3. TABLE OF ISSUES, CAUSES, REMEDIES

Issues	Causes	Remedies
The display doesn't turn on	Loss of electrical power.	Check that the refrigerator is correctly connected to the electrical network (point 1.7.4).
Poor water cooling.	Insufficient water flow.	Check the proper operation of the pump (not supplied)
		Ensure that there are no pipe obstructions.
	Insufficient thermal insulation.	Provide insulation for the tank walls and pipes to reduce thermal losses.
	Air exiting from the ventilation grille at room temperature.	Lack of refrigerant in the compressor, please contact the local TECO S.r.l. dealer.
On the display, the message "HA2" appears (overheating).	Dirty air filter.	Clean the air filter as indicated in the Cleaning chapter.
	Room temperature too high.	Restore optimal environmental conditions. The maximum allowable room temperature is 38°C (100°F)
	Blocked ventilation ducts.	Clear the vents or place the conditioner in a suitable environment.
	Ventilation system malfunction.	Contact the local TECO S.r.l. dealer.
On the display, the message "P1" appears	Water temperature probe malfunction.	Contact the local TECO S.r.l. dealer.
On the display, the message "P2" appears	Overheating probe malfunction.	Contact the local TECO S.r.l. dealer.
On the display, the message "HA" appears.	High water temperature.	Check the proper operation of the pump.
		Ensure that there are no pipe obstructions.
		Verify that the cooling function is active.
On the display, the message "LA" appears.	Low water temperature.	Check the proper operation of the pump.
		Ensure that there are no pipe obstructions.
		Verify that the water temperature supplied to the chiller is not lower than 3 °C.
		Verify that the ambient temperature is not lower than 10 °C.
The temperature displayed on the device's screen does not match the actual temperature of the aquarium	The water does not circulate correctly within the hydraulic circuit.	Ensure that there are no pipe obstructions.
		Check the proper operation of the pump.
		Check the efficiency of the pump.
	Long and uninsulated pipes.	Thermally insulate the pipes and the bathtub.

Tab. 2-1