





INSTALLATION, USE AND MAINTENANCE MANUAL

Water Dispenser COMPACT

-  UNDERSINK CUSM2-3 Mechanic
-  UNDERSINK CUSE2-3-4-5 Electronic




-  TABLETOP CTTE2-3-4-5 Electronic



TABLE OF CONTENTS

- Installation manual:
 - 1-1 Where and how to keep the manual
 - 1-2 Manual updating
 - 2 Serial number
 - 3 Symbols meaning
 - 4 Certificate of conformity of the product, provided by the manufacturer
 - 4-1 Certificate of conformity of materials in contact with water
 - 5 Safety rules:
 - 5.1 Safety rules for installation
 - 5.2 Safety rules for maintenance
 - 5.3 Safety rules for users
 - 5.4 Safety rules in case of anomalies
 - 5.5 Safety rules in case of dismantling
 - 6 Product description and technology
 - 7 Product versions: Undersink and Table Top
 - 7-1 Version Compact Mechanical Undersink CUSM
 - 7-2 Version Compact Electronical Undersink CUSE2-3-4-5
 - 7-3 Version Compact Electronical touch Tabletop CTTE2-3-4-5
 - 7-4 Technical data sheet Water Dispenser COMPACT Undersink CUSM and Tabletop CTTE
 - 8 Preliminary checks before installation
 - 9 Item unpacking
 - 10 Mount and unmount of the front plastic panel - Undersink and Tabletop
 - 10.1 Equipments - Undersink e Tabletop
 - 11 Item installation (Undersink CUSE2-3-4-5 Tabletop CTTE2-3-4-5)
 - 11.1 Item connection to water supply (Versions: Undersink CUSE 2-3-4-5 Tabletop CTTE2-3-4-5)
 - 12 Water filter installation (Version: Undersink CUSE2-3-4-5 UndersinkCUSM2-3 Tabletop CTTE2-3-4-5)
 - 13 Co2 cylinder, types suitable and coupling with the pressure reducer
 - 13.1 Installation of Co2 cylinder, rechargeable and disposable inside the water dispenser (Versions CUSE3 - CUSM3 - CTTE3)
 - 13.2 Installation of the Co2 cylinder outside the water dispenser (Versions CUSM3, CUSE3, CTTE3, CTTE5)
 - 14 Installation and hydraulic and electric connection of electronic tap with buttons (Versione Undersink CUSE2-3-T)
 - 14.1 Installation and water connection of column wireless tap with remote controller (Versions Undersink CUSE2-3-W)
 - 14.2 Installation and idraulic connection of electronic 2/3 ways mixer (Versions Undersink CUSM2-3-)
 - 14.3 Remote controller tuning (Version Undersink CUSE2-3-W)

- 15 Undersink, Water supply with remote controller or tap with buttons, functions and usage (Versions: CUSE2-3)
 - 15.1 Functions of buttons on the remote controller and on the electric tap (Undersink Versions CUSE2-3)
 - 15.2 Tabletop, water supply with touch keyboard, functions and usage (Versions: Tabletop CTTE2/3)
 - 15.3 Water dispenser connection to the power supply (Versions M-E)
- 16 Putting into service of water dispensers Undersink e Tabletop
 - 16-1 Putting into service of water dispenser Undersink (Versions CUSM2-3)
 - 16.2 Pressure adjustment of CO2 gas in Undersink (Versions CUSE3-5, CUSM3) and Tabletop (Versions CTTE3-5)
 - 16.3 Water supply (Versions Undersink and Tabletop)
- 17 Visualization of parameters and temperature adjustment with the APP for Smartphone and Tablet Android and iOS (Versions UNDERSINK CUSE – TABLETOP CTTE).
 - 17-1 Alarm signalling visualized in the APP
 - 17-2 Alarm signalling
 - 17-3 Undersink Mechanical: alarm signalling on touch keyboard
 - 17-4 Undersink Mechanical: water temperature adjustment from touch keyboard
- 18 Ordinary maintenance and cleaning
 - 18.1 Ordinary scheduled maintenance cycles (HACCP)
 - 18.2 Cleaning of the external surface (TABLETOP CTTE2-3-4-5)
 - 18.3 Discharge and periodic cleaning of drops tray and cup supporting grill (Tabletop CTTE)
 - 18.4 Periodic cleaning of the nozzle in Tabletop (Version CTTE)
 - 18.5 Water filter replacement
- 19 Sanization
 - 19.1 Replacement of single-use and rechargeable cylinder inside the water dispenser (Versions Undersink CUSE3 Tabletop CTTE3)
 - 19.2 Replacement of the outer rechargeable cylinder
- 20 Guide to problems solving
- 21 Permanent or temporary set-aside of the water dispenser
- 22 Directive WEEE
- 23 Packing materials
 - 23.1 Dismantling of packing materials
 - 23.2 Dismantling of filtering water cartridges
- 24 Warranty (Italy – western Europe)
 - 24-1 Warranty terms (Italy- western Europe)



1-Installation manual

This manual is part of the item, so it has to be kept in proximity of it for all the duration of the product.

Inside the manual, You can find a copy of the certification CE, with the regulations to whom the product is compliant.

This manual contains all the information and the suggestions to do all the necessary operations (installation, use, maintenance, set-aside and dismantling) in safety. To get the best profit from the product, please read the instructions carefully.

The technology used in the product, combined with a right installation and maintenance, will allow You to have always at Your disposal fresh filtered water.

In the manual You will find all the indications to identify the version of Your water dispenser: You just have to check the data that You find on the serial number with the ones on the data sheet.

To identify better the role of the figures, we have introduced some symbols in the main title, or in the description; each symbol is connected to a specific function or safety warning.

This manual contains all the main conditions of the maintenance schedule HACCP, that has to be realized by the personnel who has the responsibility of the product, in public areas.

Another important topic concerns the cleaning of the product: all the necessary procedures are detailed, included the security norms. A guide for problems solving will help the user or the qualify personnel to identify the problem and its difficulty level, specifying if it's necessary the intervention of a technician.

1-1 Where and how to keep the manual

The manual must be restored carefully, in proximity of the product if it's in function, or with it if it's set-aside. To avoid the decay of the manual, please keep it in a dry place and protected.

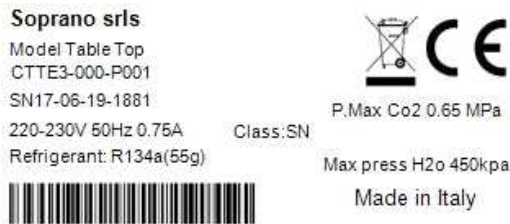
1-2 Manual updating

The manufacturer could update or integrate the manual, publishing the updating on the official website www.sopranowater.com . In particular cases or if it's required, the updating could be directly delivered to the user, by e-mail or by ordinary post. Any supplements of the manual, must be kept with the manual and become an integral part of it. Once a year the user must check the official website to see if there is any updating.

2- Serial number

All the products have a label inside, easily accessible and legible. The label is the only part that identify the product, so it mustn't be removed or damaged; on the label You can find all the data of the manufacture, the most important features of the product, the version and the serial number. ATTENTION: the removal or the damage of the label, make the warrancy expire.

In the versions COMPACT Undersink and Tabletop, You can find the label under the frontal removable plastic panel.



3-Symbols meaning



Symbol used to signal warnings, possible risks that may cause damages to persons, animals or objects.



Symbol used to signal the necessity to call immediatly the technical assistance service



Symbol used to specify that the intervention must be performed only by an authorised technician.



Symbol used to specify that the intervention can be performed also by a qualified person, well-educated by a technician.



Symbol used to signal that is necessary to disconnect the electrical wire before performing the intervention.



Symbol used to signal that is necessary to close the water valve before performing the intervention.



Symbol used to signal that is necessary to close the Co2, in case of anomalies or before performing the intervention.



Symbol used to signal that the water temperature might be too high.



Symbol used to signal that the surface might be hot, risk of contact burns.



Symbol used to signal the risk of fire.



Symbol used to signal the risk of electric shock.



Symbol used to specify that the product is equipped with a Radio Frequency device.



Symbol used to specify that the product should be moved by more than one person, or by one person with the use of appropriate equipment for handling.



Symbol used to signal the risk of asphyxiation, due to gas leak.



Symbol used to specify that all the materials used to manufacture the product and to package it, could be recycled.



Symbol used to indicate that the product must be discarded in the authorised collection centres.

4-Certificate of conformity of the product, provided by the manufacturer

Declaration of European Conformity  2004/108 / EC, 2006/95 / EC

Declaration of conformity 2004/108/EC, 2006/95/EC

SOPRANO S.r.l.s. Via Einaudi 50 - 35030 Saccolongo (PD) Italy

Declares that the water dispenser in the market, models:

FLAT versions FM2-3-4,

FLAT versions FE2-3-4-5

COMPACT versions CTTE2-3-4-5

COMPACT versions CUSE2-3-4-5

COMPACT versions CUSM2-3-4-5

Are conforme to the following European Directives:

EN60335-2-24/2003, A11/2004, A1/2005, A2/2007 EN60335-1/2002, A1/2004, A11/2004, A2/2006, A12/2006, A13/2008

EN60335-2-15/2002, A1/2005, A2/2008, EN62233/2008

(EMC) EN55914-1/2006, EN55014-2/1997, A1/2001, EN61000-3-2/2006, EN61000-3-3/1995, A1/2001, A2/2005

(RoHS) 2011/65/EU

In case of non-authorized variations or modification at the water dispenser, without the agreement of the Manufacturer, the declaration will decay.

In accordance with the directives 2004/108 / EC, 2006/95 / EC

Saccolongo (PD) Italy

02/04/2016

Technical director







Fabio Carpanese












4-1 Certificate of conformity of materials in contact with water

The components of the water dispensers SOPRANO S.r.l.s model COMPACT versions Undersink CUSM – CUSE- Tabletop CTTE, are realized in conformity with the following terms:
Directive CE 98/83 – del 03-11-1998, quality of waters for the human consumption;
Regulation CE 1935/2004, materials in contact with food;
Regulation UE n.10/2011 del 14-01-2011 plastic materials in contact with food;
Legislative decree n°31 del 02-02-2001 and attachments;
Decree n°174 del 06-04-2004, materials and objects that can be used for the collection, treatment or adduction of waters for human consumption.
Decree n°25 del 07-02-2012, technical provisions that concerns the equipment used for the treatment of water for human consumption.


Soprano S.r.l.s is not responsible for the failure in observing the safety prescriptions and regulations and for a wrong use of the product.

5- Safety rules


- 1-  ATTENTION: This product can be installed in domestic environments or offices
- 2-  ATTENTION: The manual is integrate in the product and has to be kept carefully.
- 3-  ATTENTION: **Soprano S.r.l.s is not responsible for the failure in observing the safety prescriptions and regulations and for a wrong use of the product.**
- 4-  ATTENTION: Before installing a product that was bought in a foreign country, we suggest You to contact the assistance service.
- 5-  ATTENTION: Some versions of the product has a cooling system that contains cooling gas (R600a: Isobutano) environmentally friendly but flammable. To avoid risks, please follow carefully the instructions in points 6 - 7 - 8 - 11
- 6-  ATTENTION: The cooling system is located inside the water dispenser; pay attention, risk of damaging of the tubes in the cooling system.




- 7-   ATTENTION: In case of cooling gas leak from the cooling system, don't disconnect and don't touch the socket, avoid using fire, open doors or windows to air the place and call the assistance service.
- 8-  ATTENTION: Don't install the product in proximity of radiators, stoves of inflammable materials.
- 9-  ATTENTION: The water dispenser can't be installed outside, or in humid places, such as sauna, swimming pool or turkish bath. It must be installed in places that respect the climate class SN, protected from bad weather, rain, snow, water and direct sun exposure. It mustn't be installed in industrial areas or in proximity of explosives and inflammables materials.
- 10-   ATTENTION: Before moving the product, please check the weight on the label. The product that exceed the weight of Prima di movimentare l'apparecchio manualmente si consiglia di verificare il peso lordo riportato kilos, can't be manually moved by a single person
- 11-  ATTENTION: Don't use inflammable spray in proximity of the product.
- 12-  ATTENTION: The product installed in public places must follow the maintenance schedule HACCP, that has to be realized by the personnel who has the responsibility of the product.
- 13-  ATTENTION: The efficiency of the product could be compromised due to the environmental temperature and the temperature of the water in entrance.
- 14-  ATTENTION: Interventions not described in this manual have to be considered of competence of the **Technical Assistance Service**.
- 15-  ATTENTION: It's not recommended to use the product without its water filter. If requested by the buyer, the products can be sold without the filter. **In case of any damage to people or object, resulting from the usage of the product without filter, or with a filter different from the original one, the manufacturer is not responsible.** It is possible to install a filter for sediments, with a grid filtering baffle between 20 and 50 μm , installed outside the product, or as alternative of that proposed by the manufacturer.


5.1- Safety rules for installation


- 1-  ATTENTION: Before installing the product, please verify the following conditions: the installation place must be igienically appropriate and lightened enough; the support surface must be appropriate for the weight of the product; the socket with the right voltage, with earthing and protected by a residual 0,03°; the water supply must be certificated potable, with a pressure and a capability appropriates for the product (see the attached technical data sheet); the temperature of the environmente between 10°and 32°C ; the humidy inferior to 75%.


For the model Undersink, check that the cabinet has an opening on the wall side, or enough slots to assure a right ventilation. All the conditions must comply with the specifications of the product (see the data sheet in paragraph 7.4).


●2-  ATTENTION: During the installation, the area of installation must be off-limits for unauthorised persons and animals.


●3-    ATTENTION: To avoid risks of fire or electrical shock, don't damage the electrical wires or the plug. The socket must be suitable for the plug of the product.



●4-  ATTENTION: To avoid the risk of flooding, connections and tubes must be appropriate to bear the pressure of the water supply; in any case, the static pressure of the water supply in the point of connection, must be between 1,5 Bar 0,15Mpa and 4,5 Bar 0,45Mpa. If the pressure is higher, install a pressure reducer of 3 Bar 0,3Mpa, in the point of water connection, just behind the water interception valve. To a better protection, You can install, behind the valve, a WaterBlock system. Tubes and connections must be appropriate to be used with potable water, and conformed to the regulations of the country where the water dispenser is installed. The mechanical versions CUSM2-3, must be installed with the pressure reducer, not depending from the pressure of the entering water.

●5-  ATTENTION: When You install the product, make sure that the plug and the tap to intercept water are visible and easy to reach.

●6-  ATTENTION: We suggest You to protect the tubes and the electric wires; make sure that they aren't in proximity of heat sources, sharpened crossings or poaching area, pets or rodents, to avoid damages and lacerations.

●7-  ATTENTION: During the usage, the installation and the replacement, keep the Co2 cylinder in vertical position, with the valve upside. If You have the cylinder outside the water dispenser, set it with chains, stirrups or straps to a support, in vertical position, with the valve upside. The cylinders single-use or rechargeable up to 640 gr can be installed in vertical position with the valve upside, inside the product, behind the frontal plastic panel.

●8-  ATTENTION: The rechargeable cylinders with ball valve, must be transported with the appropriate valve protection.

●9-   ATTENTION: If You install a product with cylinder, chose a dry and fresh place, enough spacious and ventilated; it's not recommended to put the cylinder in hot or small places, in proximity of heat sources or expose to direct sunlight; the internal pressure of the cylinder may grow quickly: risk of explosion. Don't install Co2 cylinders of large or medium size, in places poorly ventilated: risk of asphyxiation in case of gas leak.

Before installing the product, please check if the gas volume is compatible with the environment where it is going to be installed.



Read carefully the following indications:


Cylinder 600 gr, can be used in places with a volume superior to 12m³;

Cylinder 1 Kg can be used in places with a volume superior to 20m³;


Cylinder 4kg can be used in places with volume superior to 80m³.


ATTENTION: there may be other risk factors so, before installing the product, it is suggested to make a thorough analysis that consider the sum of the risk factors.




●10-   ATTENTION: It is suggested to put the spare Co2 cylinders in a ventilated place, different from the place where the product will be installed.


●11-  ATTENTION: Make sure that the wiring respects the current rules, is provided with earthing and the socket is protected with a security residual with differential value of 0,03A and power value appropriate for the absorption of the product; if not, please ask the intervention of qualified personnel. It is not recommended the use of multiple sockets or adaptors. **The manufacturer is not responsible for any damage at persons, animals or objects, caused by the lack of connection of the earthing with the product**



●12-  ATTENTION: The product is appropriate to be used only with potable water.



●13-  ATTENTION: The product must work only in vertical position; in Undersink version it must be firmly placed at the bottom of the undersink; in Table top version it has to be placed on the top of the kitchen, that must be appropriate. It is not suggested to install the product on inclined, irregular or unstable surfaces.


●14-  ATTENTION: To allow an appropriate ventilation, keep the superior side free, the back side and one of the lateral sides at a minimum distance of 5 cm from the wall or from any other object.


●15-    ATTENTION: Install the Undersink products protected from any risk of drip: risk of electric shock, fire, serious damages at animals, persons or objects.



●16-  ATTENTION: If You install the product in public areas or in area where there are children or person with disability, it is suggested to put the product on a stable, large support (bolted to the wall) to avoid overturning.



●17-   ATTENTION: If You install the product in public areas or in area where there are children or person with disability, it is suggested to put a dielectric platform, to avoid the foot contact with water.


●18-   ATTENTION: Don't connect to the floor the metal support base where the dispensers are fixed.



●19-  ATTENTION: To allow the ordinary maintenance of the product (filter or cylinder replacement) the frontal plastic part can be removed. During the ordinary maintenance, the plug must be disconnected and the water closed.


●20-  ATTENTION: The length and the diameter of the tubes for water supply must be established by the installer, considering the water pressure and the distance between the product and the water plug. Before installing the product, it is suggested to contact the technical assistance service, to do the appropriate evaluations.

●21-   ATTENTION: The product must be installed by qualified and certificated personnel; after the installation the personnel must release a certificate of conformity.


●22-   ATTENTION: Before using the product, do a sanitization cycle.

●23-  ATTENTION: After the transport, keep the product in vertical position and wait 2/3 hours before connecting it to the power supply.




●24-   ATTENTION: Before using the product with sparkling water function, please verify that the pressure reducer of Co2 has the safety valve of 7 Bar- 0,7 Mpa, that is appropriate for the type of cylinder, maximum pressure value with cylinder almost empty 6 Bar - 0,6Mpa. It is not suggested the use of adapters on the side of high pressure (HP), between cylinder and reducer; the refillable cylinders with a closing gate valve, must be equipped with residual valve.


●25-  ATTENTION: For the versions **Undersink CUSM2-3**, we suggest You to install an external liter counter, mechanical or electrical, to do a periodic check of the filter residual life.



This versions don't have a system to check the residual filter life, so it's better to note the date of the last filter replacement to determine when the filter has to be changed.

●26-  ATTENTION: For safety reasons, in the versions Undersink CUSE4-5 and Tabletop CTTE4-5, the filter and the cylinder must be installed externally.



5.2- Safety rules for maintenance


●1-    ATTENTION: Before performing any maintenance intervention, cleaning or moving the product, it is suggested to disconnect the plug, close the water and the Co2 gas if present.


●2-  ATTENTION: Clean the product only with a humid rag, don't use abrasive products.



●3-   ATTENTION: The water dispensers need periodic maintenance (at least every 12 months), performed by authorised technicians. It is suggested to replace the filter and sanitize the product after a period of disuse superior than 15 days. For dispenser with sparkling water it is

necessary to replace some components, such as the Co2 pressure reducer and the safety valve, every 36 months. You also have to check the expiry date of the rechargeable cylinders.



●4-   ATTENTION: The replacement of Co2 cylinder must be performed by authorised personnel. At every replacement You have to verify the state of degradation of the linings cylinder-reducer and if there are any leaks of gas, after replacing the cylinder.


●5-  ATTENTION: During the replacement of the Co2 cylinder, the cylinder must be put in vertical position, with the valve upside. Don't use gloves in absorbant materials; the leak of liquid ga can cause freeze burns.


●6-  ATTENTION: The leak of liquid Co2 can cause freezer burns. When You are replacing the cylinder, use the appropriate protections.


●7-   ATTENTION: Risk of serious damages to persons, objects or animals, that may cause death. For Your safety, before replacing the empty Co2 cylinder, make sure that the new full cylinder is the same type and has the same dimension of that installed in the cooler. In rechargeable cylinders, verify the expiry date. The Co2 (carbon dioxide E 290) in the cylinder must respect the purity standards in the directive 96/77/UE (food quality) and art. 7 directive 89/107/CEE.


Before using the cylinder, make sure that the type of gas used is correct, checking the data sheet on the label of the cylinder.



●8-   ATTENTION: Risk of asphyxiation. After replacing the cylinder, check if there is any leak of gas, with a leak detector.


●9-  ATTENTION: Risk of serious damages to persons, animals and objects, risk of explosion. The Co2 cylinders can't be directly connected to the cooler, without the pressure reducer, that has to be appropriate.

●10-  ATTENTION: During the replacement of the cylinder, keep firmly the container, to avoid overturning.
















●11-  ATTENTION: The coolers installed in public areas must respect the HACCP, defined by the person who is responsible for the product.






●12-  ATTENTION: To avoid the overheating of the cooler, check if the ventilation is appropriate (see paragraph 13.1), keep free the proximity area and clean the condenser.

●13-   ATTENTION: For Your health and safety, all the repairs must be performed by the technicians of the assistance service of SOPRANO S.r.l.s.. The defeat or the repairs, performed by non-authorised personnel, will cause the decay of the warrancy . **Soprano S.r.L.s. is not responsible for any consequences, caused by the repairs performed with non-original spare parts.**






●14-  ATTENTION: In **versions CUSM2-3**, we suggest You to periodically check the liter counter and the date of the last filter replacement, to verify the residual life of the filter. The filter must be replaced every 12 months.

5.3- Safety rules for users




- 1-    ATTENTION: To avoid the risk of accidental hot water supply, we have two touch buttons that must be pressed simultaneously: when You supply hot water You have to use both hands to press the buttons. Risk of burns if not used responsibly.
- 2-  ATTENTION: To supply hot water, use only appropriate mugs/cups/glasses.
- 3-  ATTENTION: Before supplying hot water, put the mug/cup/glass in the supply vain, well centred. Don't hold the vessel when You are supplying the water.
- 4-  ATTENTION: Don't fill the hot water vessel up to the border: risk of burns.
- 5-  ATTENTION: Children up to 8 years, must be kept away from the cooler, if not overseen by an adult.
- 6-  ATTENTION: The cooler can be used by children over 8 years old and by persons with disability, only overseen by a responsible adult.
- 7-  ATTENTION: Children MUSNT'T play with the cooler; the cleaning and the maintenance can't be performed by children or persons with disability.
- 8-  ATTENTION: It's absolutely not recommended to put objects on the cooler, such as glasses or objects containing water.
- 9-   ATTENTION: It's not recommended to use the product whitout the plastic frontal panel and without the drop tray.
- 10-    ATTENTION: If You don't use the cooler for more than 15 days, before using i task the intervention of the technical assistance service to sanize the cooler and change the filter. If You don't use the cooler for more than one week, before drinking You must supply and throw away at least 2 liters of water each type; If You don't use the cooler for few hours (no more than 12 hours), before drinking You must supply and throw away at least 1 glass of water for each type.


If You use the cooler periodically or seasonally, call the technical assistance service to do a sanization cycle and to change the filter, to avoid the risk of bacterial growing.
- 11-    ATTENTION: Don't touch the cooler with humid hands, don't use the product barefoot.
- 12-   ATTENTION: Keep dry the areas and the floor in proximity of the product. .

5.4- Safety rules in case of anomalies

●1-      ATTENTION: In case of anomalies, such as water leaks or gas leaks, You must immediatly disconnect the plug and close the valve for water supply. In cooler with sparkling water function, close the Co2 valve, rotate the dial of the pressure reducer to OFF and call the technical assistance service. Don't try to do repairs by Yourself.

5.5- Safety rules in case of dismantling

●1-    ATTENTION: The product, at the end of its life, must be correctly dismantled. We suggest You to bring it to a disposal centre.

●2-  ATTENTION: The cooling system contains Freon R134a gas in pressure; other versions contains R600 gas, that is highly inflammable. For that reason, it has to be handle carefully, avoiding to damage the pipes of the cooling system; risk of atmosphere pollution or fire. In both cases, the type of gas used in the cooling system is written on the label of the compressor and on the identification label of the product. To dismantle the item, contact an appropriate dismantling centre.

6-Description of the product and its technology

The HIDRONIC HHT Soprano Technology of our products is completely Made in Italy, realized with high-quality materials, combined with an advance microfiltration system. Despite its compact size, it's able to refrigerate and carbonate a big quantity of water, accumulating inside only the ***bare minimum*** to give You always ***new, pure and fresh water***.

Its modern design, smart and compact, will allow You to place Your cooler everywhere and to personalize it with the drawing and the colors You prefer.

We are sure that You have chosen this product for all these advantages; we can confirm You that You have made the right choice.

7- Compact versions: Undersink and Table Top



7-1-Compact model mechanic Undersink CUSM

Compact Undersink CUSM: version that has to be installed under counter with mechanic logic, to be connected only to mechanic taps. Available in the version CUSM2 and CUSM3, they are not equipped with the liter counter.

Compact CUSM2 = room temperature and cold

Compact CUSM3 = room temperature, cold and sparkling cold

7-2-Model Compact Undersink CUSE2-3-4-5 electronic



Compact Undersink CUSE electronic: version under counter with electronic logic and microprocessor that can be connected with electronic taps and wireless tap. The item has a touch lightened display, from where You can see anomalies. The cooler has also a Bluetooth BLE technology that can connect it in telemetry with the APP **BeWater+** that You can find in the APP Store.

Compact CUSE2 = room temperature and cold

Compact CUSE3 = room temperature, cold and sparkling cold

Compact CUSE4 = room temperature, hot and cold

Compact CUSE5 = room temperature, hot, cold and sparkling

7-3-Model Compact electronic Tabletop CTTE2-3-4-5



Tabletop CTTE electronic: version to be installed on the top; electronic logic with microprocessor, touch keyboard lightened.

The cooler has also a Bluetooth BLE technology that can connect it in telemetry with the APP **BeWater+** that You can find in the APP Store.

Compact CTTE2 = room temperature and cold

Compact CTTE3 = room temperature, cold and sparkling cold

Compact CTTE4 = room temperature, hot and cold

Compact CTTE5 = room temperature, hot, cold and sparkling

7-4- Technical data sheet COMPACT versions Undersink CUSM and Tabletop CTTE

| MODELLI COMPACT TABLETOP (Soprabanco) UNDERSINK (Sottolavello) DESCRIZIONE CARATTERISTICHE TECNICHE | COMPACT TABLETOP versione CTTE ELETTRONICA | | | | COMPACT UNDERSINK versione CUSM MECCANICA | | COMPACT UNDERSINK versione CUSE ELETTRONICA | | | |
|--|--|--------|--------|--------|---|--------|---|--------|--------|--------|
| | CTTE2 | CTTE 3 | CTTE 4 | CTTE 5 | CUSM 2 | CUSM 3 | CUSE 2 | CUSE 3 | CUSE 4 | CUSE 5 |
| VERSIONE | | | | | | | | | | |
| (UNDERSINK) COMANDO EROGAZIONE CON RUBINETTO ELETTRONICO, (L1) (RUBINETTO) (L1) (S1) (RUBINETTO) (COMANDO) | * | * | * | * | * | * | * | * | * | * |
| (UNDERSINK) COMANDO EROGAZIONE CON RUBINETTO MECCANICO (TABLETOP) COMANDO EROGAZIONE CON TASTIERA TOUCH | * | * | * | * | * | * | * | * | * | * |
| EROGAZIONE ACQUA A TEMPERATURA AMBIENTE | * | * | * | * | * | * | * | * | * | * |
| EROGAZIONE ACQUA FREDDA | * | * | * | * | * | * | * | * | * | * |
| EROGAZIONE ACQUA FREDDA GASSATA | * | * | * | * | * | * | * | * | * | * |
| EROGAZIONE ACQUA CALDA | * | * | * | * | * | * | * | * | * | * |
| ALIMENTAZIONE L1 L11 RICA 230 Vac 50/60 Hz MONOFASE | * | * | * | * | * | * | * | * | * | * |
| COMPRESSORE FRIGORIFERO POTENZA ASSORBITA Watt 100 | * | * | * | * | * | * | * | * | * | * |
| GAS REFRIGERANTE R134a 32g | * | * | * | * | * | * | * | * | * | * |
| CONDENSAZIONE STATICA CON VENTILAZIONE FORZATA | * | * | * | * | * | * | * | * | * | * |
| BOILER INOX CAPACITA' 0,8 l - ASSORBIMENTO ELETTRICO Watt 2000 | * | * | * | * | * | * | * | * | * | * |
| ASSORBIMENTO TOTALE MASSIMO Amp. | 0,5A | 0,95 A | 9,5 A | 9,5 A | 0,5A | 0,95A | 0,5A | 0,95A | 9,5 A | 9,5 A |
| FUSIBILE IN VETRO TIPO 5x20 VALORE Amp. | T 4A | T 4A | F 12A | F 12A | T 4A | T 4A | T 4A | T 4A | F 12A | F 12A |
| TECNOLOGIA RAFFREDDAMENTO ACQUA - SOPRABANCO: HIDRONICO | * | * | * | * | * | * | * | * | * | * |
| CARBONATORE IN ACCIAIO INOX DECAPATO AISI 304 VOLUME 1,1 litro | * | * | * | * | * | * | * | * | * | * |
| POMPA CARICO CARBONATORI A MEMBRANA 100 l/h | * | * | * | * | * | * | * | * | * | * |
| PRODUZIONE 10 LALL'ORA ACQUA FREDDA GASSATA 1/3 18,5 AT 10°C | * | * | * | * | * | * | * | * | * | * |
| REGOLAZIONE TEMPERATURA FRIGORIFERO: 4 - 12°C | * | * | * | * | * | * | * | * | * | * |
| TEMPERATURA INOX 1100 ACQUA 5-20°C | * | * | * | * | * | * | * | * | * | * |
| CLASSE CLIMATICA DI FUNZIONAMENTO SN -10 32° UR75% | * | * | * | * | * | * | * | * | * | * |
| TEMPERATURA DI IMPIANTAZIONE 2-35°C UR75% | * | * | * | * | * | * | * | * | * | * |
| PRESSIONE IDRICA DI FUNZIONAMENTO MIN. 1,5 BAR 150 KPa. MAX 6 BAR 600KPa | * | * | * | * | * | * | * | * | * | * |
| PRESSIONE GAS CO2 MIN. 1,5 BAR 150 KPa, MAX 6 BAR 600KPa | * | * | * | * | * | * | * | * | * | * |
| SCOMPARTO INTERNO PER BOMBOLA CO2, VERSIONI: MONOUSO M11 600g, RICARICABILI ACME 425g-460g. (DISPONIBILE SOLO PER APPARECCHI SENZA BOILER INTERNO) | * | * | * | * | * | * | * | * | * | * |
| SCOMPARTO INTERNO PER FILTRO ACQUA - MODELLO 3M - AP2 (DISPONIBILE SOLO PER APPARECCHI SENZA BOILER INTERNO) | * | * | * | * | * | * | * | * | * | * |
| SENSORE TRASDUTTORE DI PRESSIONE GAS CO2 (opzionale) | * | * | * | * | * | * | * | * | * | * |
| PRODUZIONE ACQUA CALDA 1/3 18 A 85° AT 50°C | * | * | * | * | * | * | * | * | * | * |
| BOILER INTERNO, BOMBOLA E FILTRO DEVONO ESSERE INSTALLATI ALL'ESTERNO | * | * | * | * | * | * | * | * | * | * |
| (UNDERSINK) (L1) (RUBINETTO) (L1) (S1) (RUBINETTO) (COMANDO) (L1) (S1) (RUBINETTO) (COMANDO) (L1) (S1) (RUBINETTO) (COMANDO) | * | * | * | * | * | * | * | * | * | * |
| PROTEZIONE ALLAGAMENTO CON ELETTROVALVOLE | * | * | * | * | * | * | * | * | * | * |
| DI SICUREZZA SULL'INGRESSO DELL'ACQUA | * | * | * | * | * | * | * | * | * | * |
| CONNESSIONE ALIMENTAZIONE IDRICA M 3/4" G | * | * | * | * | * | * | * | * | * | * |
| CONNESSIONE ALIMENTAZIONE IDRICA QUICK FITTING 8 mm | * | * | * | * | * | * | * | * | * | * |
| CONNESSIONE PER BOMBOLA ESTERNA GAS CO2 - RACC. RAPIDO 8 mm | * | * | * | * | * | * | * | * | * | * |
| CONNESSIONE ELETTRICA LATO APPARECCHIO SPINA ICC | * | * | * | * | * | * | * | * | * | * |
| SENSORE LIVELLO VASCHETTA RACCOLTASOCCO | * | * | * | * | * | * | * | * | * | * |
| SENSORE PRESSIONE VASCHETTA RACCOLTASOCCO (OPTIONAL) | * | * | * | * | * | * | * | * | * | * |
| SENSORE PERDITE ACQUA / ALLAGAMENTO | * | * | * | * | * | * | * | * | * | * |
| CONFESSIONE RILUFODH PER INTERFACCIA TECNICA. FUNZIONA CON APP ANDROID E IOS | * | * | * | * | * | * | * | * | * | * |
| PRESSIONE SONORA dB(A) | 41 | 45 | 41 | 41 | 41 | 45 | 41 | 45 | 41 | 45 |
| POTENZA SONORA dB(A) | 48 | 52 | 48 | 48 | 48 | 52 | 48 | 52 | 48 | 52 |
| INSTALLAZIONE: SOPRABANCO O SOPRA APPPOSITO MOBILE BASE | * | * | * | * | * | * | * | * | * | * |
| INSTALLAZIONE: SOTTOLAVELLO CON MOBILE APERTO LATO MURO | * | * | * | * | * | * | * | * | * | * |
| CONNESSIONE R1/4" - R PER RUBINETTO ELETTRONICO ANALOGICO/ DIGITALE/SERIALE/RUBINETTO COMANDO, CON INTERFACCIA ESTERNE | * | * | * | * | * | * | * | * | * | * |
| TASTIERA TOUCH AUSILIARIA A BORDO DEL COILER | * | * | * | * | * | * | * | * | * | * |
| (UNDERSINK) DIMENSIONE APPARECCHIO L 185 D 386 mm H 403 | * | * | * | * | * | * | * | * | * | * |
| (UNDERSINK) PESO NETTO SENZA ACCESSORI INTERNI Kg | 16 | 18 | 16 | 18 | 16 | 18 | 16 | 18 | 16 | 19 |
| (UNDERSINK) PESO CON IMBALLO SENZA ACCESSORI INTERNI Kg | 17 | 19 | 17 | 19 | 17 | 19 | 17 | 19 | 17 | 20 |
| (TABLETOP) ALTEZZA VANO FRIGORIFERO 748 mm | * | * | * | * | * | * | * | * | * | * |
| (TABLETOP) DIMENSIONI APPARECCHIO L 185 D 457 H 403 mm | * | * | * | * | * | * | * | * | * | * |
| (TABLETOP) DIMENSIONI IMBALLO STD. L 200 D 100 H 450 mm | 13 | 15 | 14 | 16 | | | | | | |
| (TABLETOP) PESO CON IMBALLO SENZA ACCESSORI INTERNI Kg | 14 | 16 | 15 | 17 | | | | | | |
| (TABLETOP) DIMENSIONI IMBALLO L 200 D 460 H 450 mm | * | * | * | * | | | | | | |
| N° SCATOLE PER LUNGHEZZA | 36 | 36 | 36 | 36 | 48 | 48 | 48 | 48 | 48 | 48 |

8-Preliminary checks before installation

- 1- Verify that the power supply in the place of installation are appropriate.
- 2- Verify that the power supply has a earthing, that the socket is protected by a differential switch of 0,03 A, maximum 1,5 m far from the cooler.
- 3- Verify that the faucet that intercepts the water is near the cooler and easy accessible.
- 4- Verify that the pressure and the hydric capability are appropriate for the cooler and that the water in the water supply is potable.
- 5- Verify that the climatic conditions of the environment are suitable for the product. You can check them on the technical data sheet.
- 6- Verify that the place where the cooler has to be installed is enough spacious, well-ventilated and lightened.
- 7- Verify that the capability of the product is appropriate for its use.
- 8- Verify that the area where the cooler has to be installed is easy accessible and enough spacious.
- 9- Verify that the area where the cooler has to be put is stable, solid and appropriate for its weight.
- 10- Verify that the place where the cooler has to be installed is safe enough..
- 11- Evaluate every risk, deriving from the use of the cooler by children or disable people.
- 12- Evaluate if the place of installation is appropriate for product with Co2 cylinders.

9- Item unpackaging

Before unpacking the item, You have to check that:

- 1- The item corresponds to Your request, checking the label that You find on the right upper side of the packaging.
- 2- Assure that the packaging is not damaged. If You see any sign of damage in the packaging, or if You see leakage of liquids, contact immediatly the retailer before unpacking.
- 3- Open the box in vertical position, cutting the adhesive tape with a cutter (maximum blade length 2mm).
- 4- Pull the item out of the box in vertical position and keep the protective plastic bag far from children.

10- Mount and unmount of the plastic frontal panel - Undersink e Tabletop





- 1- Put the item on a stable top.
- 2- In the model Undersink, keep the cooler in vertical position with an hand and with the other hand grab the frontal plastic panel by its handle and pull outwards.
- 3- In the model Tabletop, keep the cooler in vertical position with an hand and with the other hand grab the frontal panel by its slot (free from the drip tray) and pull outwards.
- 4- Once You have removed the frontal panel, keep it in a safety place.
- 5- Extract the cylinder and pay attention to the plastic yellow pipe that is connected with the pressure reducer of the cylinder.
- 6- Extract the power cord that You find behind the cylinder.
- 7- Put the cylinder inside the cooler.
- 8- Put the plastic frontal panel and press carefully until You see that is hooked up to the cooler. In the Table Top model, remember to mount the drip tray.




10.1- Equipments - Undersink e Tabletop


- 1- User manual
- 2- Power cord Shuko – IEC 3x1 lenght 2 meters
- 3- 8mm x 3/8 BSP straight termination


11- Installation (Versions Undersink CUSE2-3-4-5 Tabletop CTTE2-3-4-5)




 ATTENTION: During the installation, the area must be free from objects and other elements that may cause risks, from children and animals.

 ATTENTION: The installation of the cooler is not provided by the manufacturer and has to be performed by qualified personnel. A wrong installation may cause high damages to persons, animals or objects and the manufacturer is not responsible for that.


   ATTENTION: The cooler must be installed and must work only in vertical position.

 ATTENTION: Before installing an Undersink cooler, to allow an appropriate ventilation, keep the superior side free, the back side and one of the lateral sides at a minimum distance of 5 cm from mesa a terrathe wall or from any other object. If the product is near the cabinet or the wall with both sides, on the back side keep a minimum distance of 10 cm from the wall.

 ATTENTION: The installation of Undersink coolers in not-well-ventilated places, can cause serious damages.

   ATTENTION: We advise You to not install the Undersink coolers in places where there could be possibility of drip: risk of electric shock.

11.1- Item connection to water supply (Versions: Undersink CUSE2-3-4-5 Tabletop CTTE2-3-4-5)

 ATTENTION: Connect the cooler only to a potable water supply. The static pressure of the water supply must be between 1,5 Bar - 0,15Mpa and 5 Bar - 0,5Mpa; if the pressure is higher, install a pressure reducer on the place of water supply of 3 Bar - 0,3Mpa. Junctions and connection pipes must be appropriate for the pressure of the water and certified for potable water.

The coolers CUSM must be always installed with a liter counter and a pressure reducer on the line of the water in entrance.

- 1- Verify that the water supply is equipped with a valve of interception easy accessible.
- 2- Establish the connection in the point of water taken, referring to the pictures below.
- 3-Connect a manometer in the point of water supply and verify if the static value of pressure is in the required parameters.
- 4-The junction for water connection is on the back side of the cooler (see pic. 1-12).
- 5-Immerse pipes and junctions in a solution with water and sanizer, before installing them.

- 6- Wear latex gloves to reduce the possibility of pipes and junctions contamination.
- 7- Go on with the water piping up to the junction of the cooler.
- 8- Introduce the end of the piping (side cooler) in a large tank and open the water to purge the residue.
- 9- If the cooler is not equipped with it, introduce the filtering cartridge just behind the removable frontal plastic panel.
- 10- Unscrew the red capsule that sigils the junction of the water (versions Undersink and Tabletop CUSE- CTTE.); for CUSM version, remove the hermetic stopper from the junction.
- 11- Connect the water charge pipe to the junction of the water in entrance using, if necessary, an adapter.
- 12- Open the interception faucet of the water to pressurize the pipe and the junction and verify if there is any leakage.

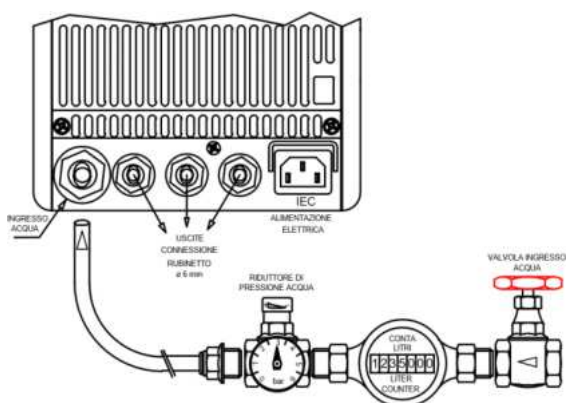
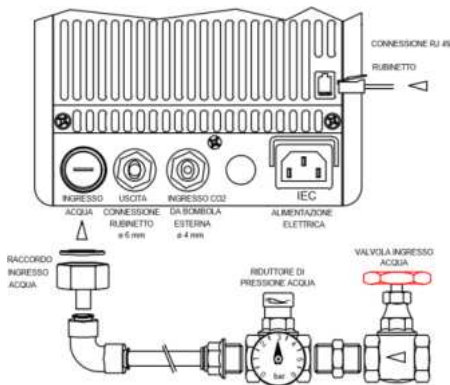


Fig. 1-12

Fig. 2-12

12- Filter installation

(Versions Undersink CUSE2-3-4-5 UndersinkCUSM2-3 Tabletop CTTE2-3-4-5)

! ATTENTION It is not recommended the use of the coolers without the water filter. On request, the coolers could be sold without the filter inside; in that case **the customer or the retailer are responsible for any damages to persons, animals or objects, deriving from the use of the product without filter or with filter different from that recommended by the manufacturer.** In particular cases You have the possibility to install a filter for sediments, with the grid filtering septum between 20 e 50 μm , instead of that with microfiltration.

Apart from version Undersink **CUSE4-5** and Tabletop **CTTE4-5**, the cooler is predisposed to have the filter inside and it has the appropriate head to fix it, connected with the water supply of the cooler. The filtering cartridge is provided already fixed in the head.

If the product is provided without filtering cartridge (requested by the client), before using the cooler, is necessary to fix the cartridge in the head (see steps 1-2)

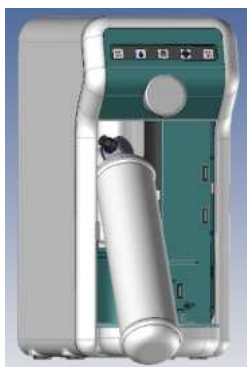
The head to hook the filter is by-passed so, if You don't mount the filtering cartridge, You can supply the water but not filtrated, with the risk to compromise the functions of the product, due to the sediments that settle in the internal components of the cooler.

! ATTENTION: In the versions CUSE4-5 and CTTE4-5, for safety reasons, the filter and the cylinder must be installed outside.

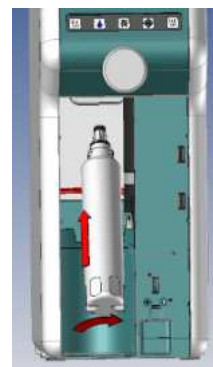
- 1- Remove the frontal panel Pic.1-13
- 2- Remove the cylinder in the versions CUSM3-CUSE3-CTTE3-5 Pic. 2-13
- 3- Verify that the type of filter is appropriate for the product (see technical data sheet)
- 4- Open the pack of the filtering cartridge and remove the plastic shell.
- 5- Insert the end of the filtering cartridge, Pic.3-13, push it upwards and rotate clockwise; after half a turn, the cartridge will stop. Push the down side of the filter inside the cooler, to reach the right vertical position.



Pic. 1-13



Pic. 2-13



Pic.3-13

13- Co₂ cylinders, types available and coupling with pressure reducer

The versions CUSE3, CUSM3, CTTE3, could be provided with single use cylinder up to 600 gr. And rechargeable between 425 and 640 gr. of Co₂ gas E290. Larger cylinder must be installed outside.

The single use cylinder suggested by the manufacturer (600 gr) has a threaded end M11 male and are appropriate to be coupled with pressure reducer with pressure PW equal or superior to 110 Bar - 11 MPa, with threaded end M11 female. The rechargeable cylinders can have the following threaded ends male: M11, ACME, W21,8 and can be coupled with pressure reducer with pressure PH equal or superior to 250 Bar - 25 MPa .

In any case, is highly recommended to check that the cylinder pressure is compatible with that of the pressure reducer. To identify the appropriate coupling cylinder-pressure reducer, verify the value of maximum pressure that You find on the cylinder, comparing it with that of the pressure reducer; the value of maximum pressure of the reducer must be equal or superior to that on the cylinder. The maximum pressure that exits from the reducers mustn't be superior to 6 Bar 0,6KPa (quite empty cylinder), the safety valve of the reducer must have an opening pressure of 7 Bar. The rules are the same for the cylinders that have to be installed outside.

SOPRANO is not responsible for any damage caused to persons, animals or objects, deriving from a wrong coupling cylinder-reducer.

13.1 Installation of the Co₂ rechargeable or single-use cylinder inside the cooler (Versions CUSE3 - CUSM3 - CTTE3)



ATTENTION: In the installation of cooler with Co₂ cylinders, it's recommended to chose fresh areas, enough spacious and ventilated; don't install the cylinders in hot places, too small or under direct sunlight: the internal pressure could rise dangerously. Don't install the cylinder in not enough ventilated places: danger of asphyxiation.


Here You find some examples, considering a maximum value of Co₂ in the environment of 2,5%

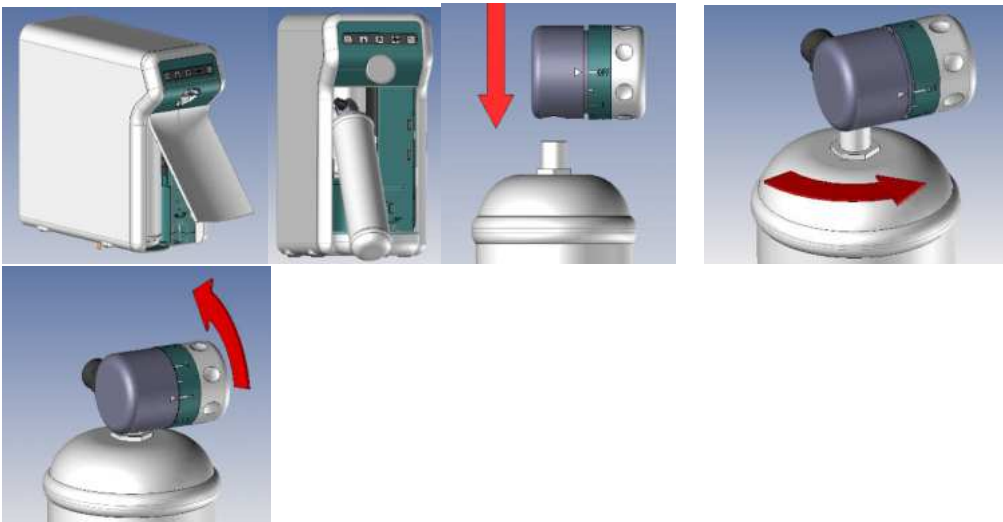
600 g. cylinder: can be used in environments with volume superior to 12m³

1 Kg. cylinder: can be used in environments with volume superior to 20m³

4 Kg. cylinder: can be used in environments with volume superior to 80m³

- 1- Remove the frontal plastic panel, Pic.1-13
- 2-If the cylinder is already inside the cooler, keep it in vertical position and remove the rubber cap of the valve. If the cylinder is not yet in the cooler, buy a cylinder that is appropriate for the product (see par. 13)
- 3- Rotate the hand-grip of the reducer to OFF, Pic.3-14
- 4- Identify the yellow pipe Ø4 inside the cooler and insert the end of the pipe in the rapid junction of the pressure reducer.

- 5- Couple the female thread of the reducer with the male thread of the cylinder valve (pic.1-14) rotating the cylinder with one hand counter-clockwise- pic.2-1. **Keep the cylinder in vertical position with the valve upside**, until You have screwed the two parts.
- 6- Rotate the hand-grip of the reducer to its maximum value(5- 5,5 Bar 0,5- 0,55 MPa)- pic.3-14; **Keep the cylinder in vertical position with the valve upside**. Wait a minute to rush down the pressure inside the cooler and than check if there is any leakage, with a spray leak detector; if You see that there are leakages, close immediately the gas, rotating the reducer to OFF.
- 7- Insert the Co2 cylinder with the reducer inside the cooler, pic. 4-14
- 8- Mount the plastic frontal panel, Pic. 5-14
- 9-  ATTENTION, when You are coupling the cylinder with connection M11 o ACME to the pressure reducer, the escape of a little quantity of gas is normal. If You can see any escape of gas, once the cylinder is closed, that's a **serious anomaly**. In case of serious anomalies, don't touch the cylinder and the reducer and areate immediately the room. If You see frost on the cylinder valve or on the reducer, keep the room ventilated and discharge the cylinder. Don't touch the cylinder or the reducer, don't turn upside down the cylinder and call the technical assistance centre.
- 10- Put the cylinder in the cooler.
- 11- Close the frontal plastic panel pic.5-14.



Pic.1-14
Pic.5-14

Pic.2-14


Pic.3-14

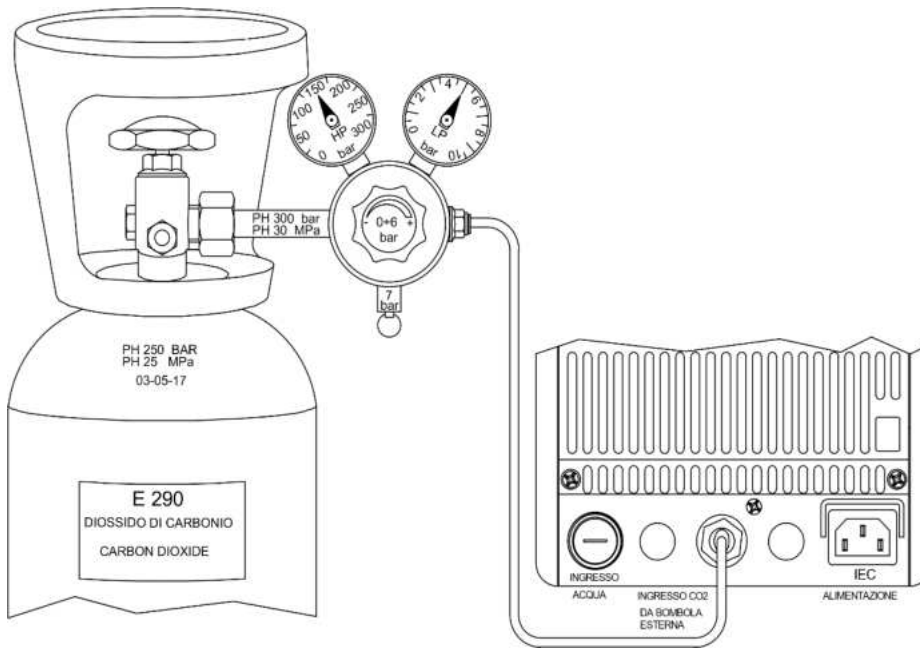
Pic.4-14

13.2 Installation of the Co2 rechargeable cylinder outside the cooler (Versions CUSM3, CUSE3, CTTE3, CTTE5)

The installation of the Co2 cylinder outside the cooler is usually necessary in the versions CUSE5 and CTTE5; in other versions with sparkling water, could be used if You want more range in the supply of sparkling water. All the coolers with sparkling water are predisposed for that, so You don't need to modify in any way the product (just follow the instructions).

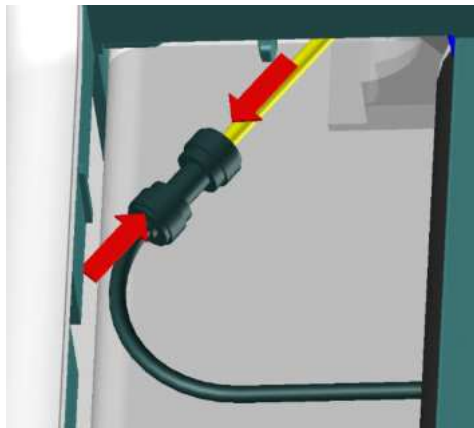
Install the outside cylinder respecting the safety rules that You find at par. 6.1 points -7-8-9-21 and then go on following the instructions:

- 1- Predispose what's necessary to fix the cylinder in vertical position, see par. 6.1 points-7-8-9-21
- 2- Rotate the hand-grip of the pressure reducer to OFF
- 3- Couple the right reducer with the cylinder (see par. 14). If the cylinder has a valve handwheel, You have to use a reducer with swivel ring connection CH28 thread male W21,8 right. After having coupled the ring nut to the valve of the cylinder, fix the ring nut rotating it clockwise, using a spanner 28mm to complete the fastening.
- 4- In the versions CUSM3, CUSE3 and CTTE3 is necessary to connect the yellow pipe to the by-pass junction of the black pipe, (see pic. 2-14) to activate the connection of the outside cylinder.
- 5- Predispose the piping of Co2 gas in tube PELLD Ø4 mm for a maximum length of 10 metri; for superior lengths use a tube in PELLD Ø6 mm with reductions.
- 6-Connect one of the ends of the gas piping to the cooler, in the connection junction of Co2 for the outside cylinder that You find at the basement of the back side of the cooler (see pic. 1-14), pressing it until You can hear a "click".
- 7- Insert the end of the tube (side outside cylinder) in the rapid junction of the pressure reducer (see pic. 1-14).
- 8-  ATTENTION, **The points 10 and 11 are only for rechargeable cylinders with handwheel valves**
- 9- Usually the pressure reducers for rechargeable cylinders have one or two manometers; one of these is HP with full scale 250-300 Bar to measure the internal pressure in the cylinder, the other one LP with full scale 10 Bar to measure the outgoing pressure from reducer. Some reducers have only one manometer of low pressure LP.
- 10- Open carefully the tap of the cylinder, rotating it under clockwise for at least two turns.
- 11- If after the opening of the tap, You can see a gas leakage, close immediately the handwheel and verify the origin of the leakage.
- 12- Rotate the handle of the pressure reducer to the maximum value (5- 5,5 Bar 0,5- 0,55 MPa), wait for one minute to flow the pressure inside the cooler and check that there are not leakages from the junctions and from the coupling cylinder-reducer, using a common spray for leakage detector. If You find any leakage, rotate immediately the wheel of the cylinder valve clockwise to close it; in case of cylinder with valve pintle M11 or ACME, rotate the wheel of the pressure reducer to OFF.



Pic. 1-14

Pic. 2-14



14- Installation and hydraulic and electronic connection of electronic faucet with buttons (Versions Undersink CUSE2-3-T)

The coolers Undersink CUSE, to supply water, have to be connected with a buttoned electronic faucet. To connect the buttons to the cooler, You have to use an interface that codifies the signal of

the buttons, sending them to the cooler with the appropriate wire in equipment with Pug RJ45 that connect the interface to the socket COM of the cooler.

- 1- Predispose the slot \varnothing 25 mm to fix the faucet on the top of the kitchen or on the sink, insert the faucet end on the slot with all the electric wires and the plastic pipe and fix the faucet under the sink or the top with the appropriate seal in equipment.
- 2-Extract the green 4-ways connector from the interface 944 and connect the electric wires as explained in pic. 2-15.
- 3- Insert the connector with the faucet wires, in the counterparty of interface 944.
- 4- Insert one of the connectors RJ45 (transparent) of the wire in equipment, in the socket RJ45 of interface 944
- 5- Insert the connector RJ45 (transparent) on the other end of the socket RJ45 COM of the cooler pic. N°2-15
- 6- Remove the cap that close the water outgoing junction on the back side down (see pic. 1-15).
- 7-Insert the white plastic pipe of the faucet in the water outgoing junction, instead of the cap.

14.1- Installation and hydraulic connection of wireless faucet whit remote controller (Versions Undersink CUSE2-3-W)

The coolers Undersink CUSE-W are predisposed to be connected to a wireless faucet with remote controller, that communicates with the cooler with an interface 961 (connected to the socket COM with the wire in equipment).

- 1- Predispose the slot \varnothing 15 mm to fix the faucet on the top of the kitchen or on the sink, insert the faucet end on the slot and fix the faucet under the sink or the top with the appropriate seal in equipment.
- 2- Insert the connectors RJ45 (transparent) of the wire in equipment on the socket RJ45 of the interface 961 (see pic. n° 3-15).
- 3- Insert the connector RJ45 (transparent) on the other side of the wire in the socket RJ45 COM of the cooler.
- 4- Remove the cap that close the water outgoing junction on the back side down (see pic. 1-15).
- 5- Insert the white plastic pipe of the faucet in the water outgoing junction, instead of the cap.

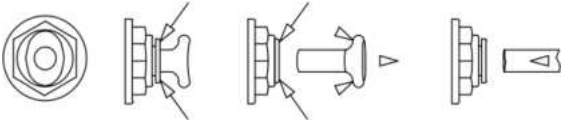
14.2- Installation and hydraulic connection of mechanic faucet 2 or 3-ways (Versions Undersink CUSM2-3-)

The coolers Undersink CUSM are predisposed to be connected with a mechanic 2 or 3-ways faucet, connected with the cooler with a plastic pipe \varnothing 6 mm, one for each type of water supplied so, for a CUSM3, You have three pipes that connect the faucet to the cooler. The mechanic faucets don't have electric connections or interfaces, but use only mechanic valves activated by handle or levers that You can find on the faucet.

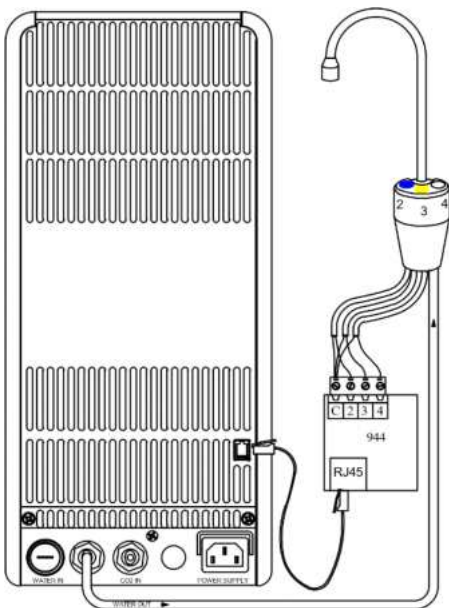
- 1- Predispose the slot to fix the faucet on the top of the kitchen or on the sink, insert the faucet end on the slot and fix the faucet under the sink or the top with the appropriate seal in equipment.

- 2- Remove the cap that close the water outgoing junction on the back side down (see pic. 1-15).
- 3- Insert the white plastic pipe of the faucet in the water outgoing junction, instead of the cap (pic. 4-15).

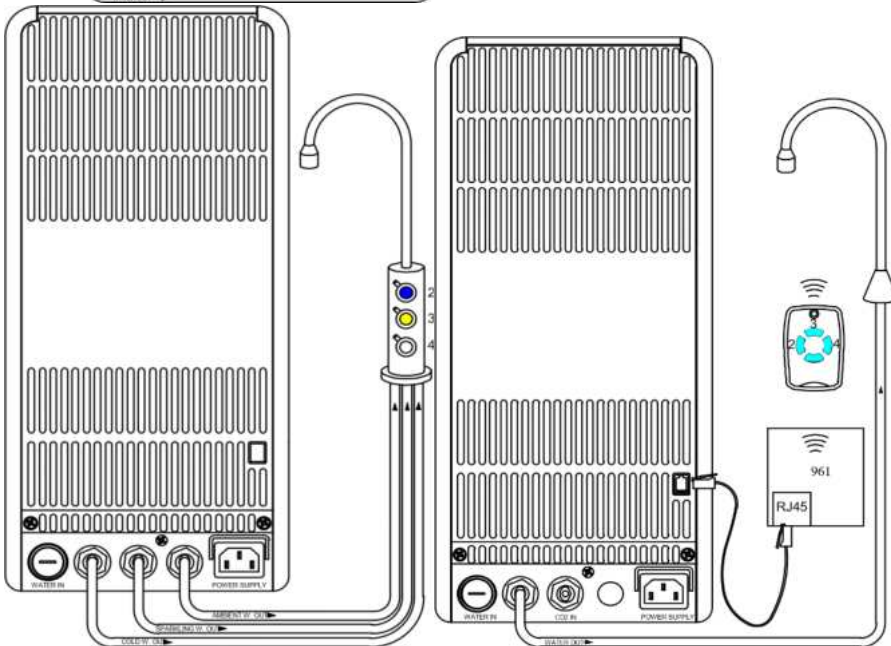
Pic. 1-15



CUSE2-3-T



CUSE2-3-W



CUSM2-3

Pic 2-15

Pic 3-15

Pic 4-15

14.3- Remote controller tuning (Versions Undersink CUSE2-3-W)

To avoid interferences with other devices, the remote controllers have different codes: for that reason, when You are installing or changing the controllers or the coolers, it is necessary to tune the remote controller in the following way:

- 1- Verify that the external interface 961 is connected directly to the cooler (see pic. N°3-15).
- 2- Unplug the external plug of the cooler.
- 3- Wait some seconds and than insert again the plug.
- 4- Immediately after having inserted the plug, press for at least 5 seconds one of the 3 buttons of the remote controller that You see in the pic. with numbers from 2 to 4. (Pic.5-15)
- 5- Release the button of the remote controller and push **button N°2** to verify if the cooler supplies water.

If the cooler doesn't supply water, repeat the tuning (check before that there is the red light on the controller); if it doesn't work, there could be a malfunctioning of the controller or the batteries could be unplugged.

15- Undersink, water supply with remote controller or faucet buttons (Versions: CUSE2-3)

This version is equipped with touch RGB keyboard for water supply, that You find on the front of the cooler.

The coolers Undersink versions CUSE2-3, must be connected through interfaces (see pic. 2-15 e 3-15) with electronic or wireless faucets.

The number of buttons on the electric faucet change depending from the version of the cooler and the number of water that it can erogate; the remote controller has always 4 buttons that are activated depending from the version of the cooler.

The version CUSE2, that is predisposed to supply 2 types of water, room temperature and cold, use the buttons N°2 and N°4 of the remote controller (see pic. 5-15).

The version CUSE3, that is predisposed to supply 3 types of water, room temperature, sparkling and cold, use the buttons N°2, N°3 and N°4 of the remote controller (see pic. 5-15).

In standard working conditions, the water supply is activated, once You press the button and stops once You release it. The system doesn't allow You to supply more than one type of water at the same time.

60 seconds after the last supply, the cooler activates the stand-by mode; to activate the cooler is now necessary to push the button twice. The maximum time of continuous supply is 1 minute, after that the cooler stops; to activate it release the button and pus hit after 1 second.

If You want You can remove the stand-by mode through the APP settings.

The colours changing of the keyboard buttons is associated with alarms and signal anomalies (see par. 17.1).

When You active the dosing mode (through the APP **Be Water +**, that works with Bluetooth) You can set the dosing for every type of water, apart from hot water.

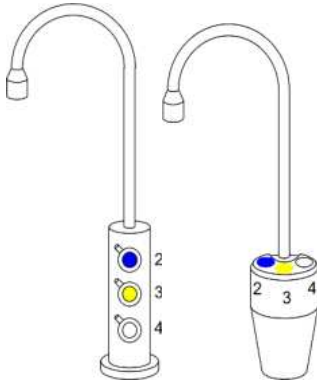
With the dosing mode on, when You push a button, the cooler supply the set quantity of water.

15.1-Functions of the buttons of the remote controller and the electronic faucet (Undersink Versions CUSE2-3)

Button 2 – room temperature water

Button 3 – cold sparkling water

Button 4 – cold water



pic 5-16 remote controller-

pic 6-16 electronic tap-

pic 7-16 mechanic tap

15.2-Tabletop, water supply with Touch keyboard (Versions: Tabletop CTTE2-3)

This version is equipped with touch RGB keyboard for water supply, that You find on the front of the cooler. The number of buttons on the keyboard change, depending from the types of water that the cooler supply.

For every type of water is possible to press two buttons together, to mix them, apart from hot water: for example You can have cold slightly sparkling water, pushing together cold and sparkling.

In versions Tabletop CTTE4-5 to supply hot water is necessary to push together two buttons, to avoid accidental water supply.

60 seconds after the last water supply, the buttons change color and the cooler goes on stand-by mode; to activate it, You have to press twice the keyboard, and then the buttons turn coloured.

The maximum time of continuous supply is 1 minute, after that the cooler stops; to activate it release the button and push hit after 1 second.

If You want You can remove the stand-by mode through the APP settings.

The described functions are valid also for Undersink versions, except the colour of the buttons, that in Undersink version You don't have.

When You active the dosing mode (through the APP **Be Water +**, that works with Bluetooth) You can set the dosing for every type of water, apart from hot water.

With the dosing mode on, when You push a button, the cooler supply the set quantity of water (see par 18).

Attention: the maximum quantity of sparkling water that You can supply in one time is between 1 and 1,2 liter, than the cooler will start to supply water mixed with gas. Please wait some seconds until the noise of the pump is ended, and then You can supply new water.

1 2 3 4 5

Function of touch keyboard:

Button 1 – hot water if press together with button 5 (red)

Button 2 – room temperature water (light blue)

Button 3 – cold sparkling water (yellow)

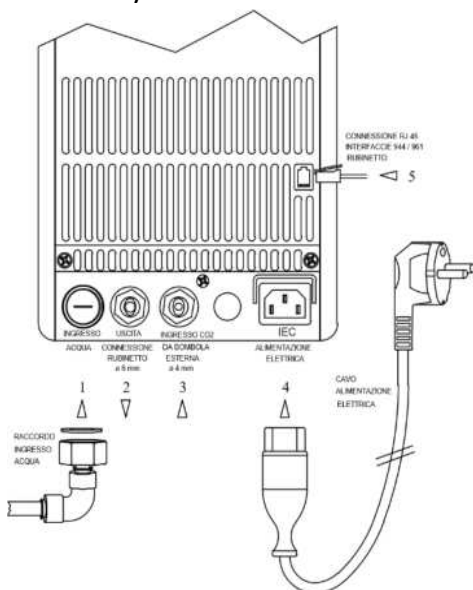
Button 4 – cold water (blue)

Button 5 – activates the boiler if pushed individually, supply hot water if pushed together with button 1 (red).


15.3- Cooler connection to the electric supply (Versions M-E)

⚠ ATTENTION – Verify that the electric supply is provided with earthing and that the socket is protected by a circuit breaker appropriate for the cooler (see values on the label). If not, ask the intervention of qualified personnel. It's not recommended to use multiple sockets or extension cords . **SOPRANO is not responsible for any damage to persons, animals or objects deriving from the lack of earthing.** To connect the cooler to the electric supply, use only the power cord in equipment.

- 1- The connection of the cooler to the electric supply is the last step.
- 2- Before connecting the cooler, verify that all the steps described in the manual have been performed.
- 3- Verify that the rules and safety conditions have been respected.
- 4- Verify that the valve for water supply is open.



- 5- For models Undersink CUSE with electronic faucet, verify that the connection of the faucet with the interface 944 is correct and that the interface is connected with the cooler.
- 6- For models Undersink CUSE with Wireless faucet with remote controller, verify that the interface 961 is connected with the cooler.

- 7- For the coolers with sparkling water, verify that the gas cylinder is correctly installed and connected to the cooler, that the valve of the cylinder is open and that the handle of the pressure reducer is on the right pressure.
- 8-Verify that there isn't leakage of water from the fittings or from the piping.
- 9- Verify that there isn't leakage of Co2 gas.
- 10- Verify that the frontal plastic panel is mounted and closed correctly.
- 11- Verify that there aren't drops of water on the electronic parts.
- 12- Make sure that the socket for electronic supply is appropriate for the cooler, that is Shuko type and that is at a maximum distance of 1,5 m. from the cooler, in an easy accessible place.
- 13- Insert the socket IEC of the power cord in the plug IEC that You find on the back side down of the cooler (pic. 16-1)
- 14- Insert the Shuko plug of the power cord in the power supply socket.
- 15-  **ATTENTION, don't press any button**
- 16- See following par. to proceed with the installation (pic. 16-1)



ATTENTION: To avoid accidental supply of hot or boiled water, the coolers version CTTE4-5, have two buttons, 1 and 5, that must be pushed together



ATTENTION: During the first functioning days, the supplied water could have a light aftertaste, due to the sanitizer that is present in the hydric circuit; it's not dangerous and it doesn't compromise the quality of the water.



ATTENTION: To obtain an optimal sparkling water, adjust the pressure reducer of Co2 gas and wait at least two hours from the earthing to use the cooler.



Attention, to avoid anomalies follow the instructions.

16- Entry into service of coolers Undersink and Tabletop

- 1- Take a vessel to insert in the supply compartment
- 2- Push the supply button for room temperature water (button 2); supply at least 2 liters of water; repeat the same procedure with the cold water (button 4). **(ATTENTION, to do this in the versions CUSE with wireless faucet, You have to tune the remote controller, see par. 15-3).**
- 3- For models CUSE3 and CTTE3, with sparkling water, push the button to supply sparkling water (button 3) at least for 3-5 seconds to allow the exit of the air in the carbonator; release the button and wait two minutes until the noise of the pump is ended.
- 4- Push another time the supply button for sparkling water (3); release it and wait 2 minutes until the noise of the pump is ended.
- 5- Wait that the cooling system cools the water (about 40 minutes) and then You can supply cold or cold sparkling water.
- 6- For models **(CTTE4)** with hot water, push together buttons 1 and 5 and supply at least one liter of water.

●7- Press button 5 for at least 3 seconds to activate the boiler: buttons 1 and 5 will turn red. When they stop flashing, the boiler is at the optimal temperature and You can supply the water.

16-1- Entry into service of coolers Undersink (Versions CUSM2-3)

- 1- Open the tap for hydric supply
- 2- Open the CO2 gas (versions CUSM3)
- 3 - Take a vessel to insert in the supply compartment.
- 4- Open the faucet for room temperature water (knob 2); supply at least 2 liters of water and then close the faucet; do the same for cold water (knob 4).
- 5- Insert the plug for electric supply.
- 6- For models CUSM3, with sparkling water, open the faucet (knob 3) after having inserted the plug for electric supply. Keep the faucet open for at least 3-5 seconds to allow the exit of the air In the carbonator; close the faucet for at least 2 minutes, until the noise of the pump is ended.
- 7- Open another time the faucet (knob 3) and keep the faucet open for at least 3-5 seconds; close the faucet for at least 2 minutes, until the noise of the pump is ended.
- 8- Wait that the cooling system cools the water (about 40 minutes) and then You can supply cold or cold sparkling water.

16.2- Adjustment of Co2 pressure in Undersink (VERSIONS CUSE3-5, CUSM3) and Tabletop (Versions CTTE3-5)



●1- In coolers with sparkling water (versions CUSM3, CUSE3, CTTE3-5) is necessary to adjust the pressure of the Co2 gas. You can rotate the knob to the right to increase the carbonation of the water or to the left to decrease the carbonation.

In the Co2 pressure reducers, for cylinder with attack M11 or ACME, the pressure value is written on the regulation handle (pic. 1-16); in the reducers for flyer valve cylinders with attack W21,8 the manometer of low pressure (LP) will indicate the calibration pressure.

●2-We can resume as follow: 4 Bar low level, $4,5 \div 5$ Bar medium level, $5,5 \div 6$ Bar high level.

●3- Insert the cylinder and the reducer in the cooler and mount the frontal plastic panel as described in par. 11; for Tabletop version, insert the drip tray.

16.3- Water supply (Versions Undersink and Tabletop)



ATTENTION: In the coolers with hot or boiled water, to avoid accidental water supply, is necessary to push together the buttons 1 and 5.

●1- The Undersink coolers CUSM2-3 can be connected only to mechanic faucet; on the faucet You have different buttons for the different types of water.

●2- The Undersink coolers CUSE2-3 can be connected only to electronic, wireless or electronic Touch faucets; on the faucet You have different buttons for the different types of water.

●3- Apart from Wireless models, that have always 4 buttons, usually the number of the buttons corresponds to the types of water in the cooler.

●4- The coolers version CTTE4-5 supply also hot water: to avoid accidental water supply, is necessary to push together the buttons 1 and 5.

●5- The coolers versions Undersink CUSE2-3 wireless can supply a type of water at once; all the other coolers can supply more than one water at once, apart from hot water.

17 APP for Smartphone and Tablet Android and IOS (Versions UNDERSINK CUSE – TABLETOP CTTE).

This coolers can communicate through an APP, using the **Bluetooth technology**; so You don't need a display on the cooler that is usually small and difficult to read.

●1- To do the first access to the App, You need only a Smartphone or Tablet, and You have to download the App **Be Water+ from the App Store**.

●2- After having installed the App, open it; on the display You can see a **Device List** of connected water dispensers (see pic. 1-18). Each coolers appears with the voice **WD_SOPR**, **id: 00000000**, **rsi: 88**.

●3- The number after the **rsi:** is used to identify the nearest cooler from Your Devide List; if You have more that one cooler, the lowest number identify the nearest cooler.

●4- Chose the voice of the cooler.

●5- If You have correctly connected Your device, You can see the display of the cooler lightened in green.

●6- On Your device now You can see the **Device Menù**, (see pic. 2-18). If You scroll on the left You can see the page **Statistics**, (pic. 3-18) where You can see the most important datas: l'apparecchio: **Days** (days of filter using), **Liters Supplied**, **Temperature** of the water, **Pressure CO2**.

●7- To return to **Device Menù** push the button with the three stripes on the left upper side of the display.

●8- On the **Device Menù**, (see pic. 2-18) is possible to select and change some parameters:

Green Care: You can have an idea of what You are doing for the environment (ex: plastic bottles saved, pic. 10-18)

Alarms: Selecting this voice You can see the page of the alarms, described in par. 18-1 (pic. 9-18)

Settings: Through this voice You can set some parameters (as the water temperature), described below (pic. 4-18):

Water temperature setting: select **Freezer** on page **Settings** and then You can see the page **Settings > Freezer** (pic. 5-18) from where You can set the water temperature between 4 and 12°C. When You have set the temperature, press **SEND** to confirm.

Boiler temperature setting: select **Boiler** on page **Settings** (pic. 4-18) and than You can see the page **Settings > Boiler** (pic. 6-18) from where You can set the temperature between 65 and 95°C; when You have set the temperature, press **SEND** to confirm.

In the same page You can see two other functions: **Enable boiler**, to activate or deactivate the boiler and **Super Hot**. This function allows You to have boiled water up to 99°C.

Dosage: selecting **Dosage** on page **Settings** You can reach the page **Settings > Dosings**, (pic. 6-18). To activate the dosing mode, press the button **Dosing Type**, and change the parameter from **Off** to **Time**; than press **SEND** to confirm.

Dosing mode: select **Time** on the function **Dosing Type** and then **ENTER DOSING MODE**; press the supply button and erogate the quantity of water You want. When You release the button, the cooler will memorize the dosage. Do the same for all the types of water; the dosage is possible for all type of waters, apart from hot water.

Standby: selecting **Device settings** on page **Settings** You can reach the page **Settings > General** (pic. 7-18); at the voice **Enable standby** You can change the function level from 0 to 2. Setting the **Standby** mode to level 0, the cooler is in mode always ready; than press **SEND** to confirm.

Avoiding acoustic signal: selecting the voice **Device settings** You can reach the page **Settings > General**. At the voice **Enable buzzer**, You can activate the acoustic signal. Press **SEND** to confirm.

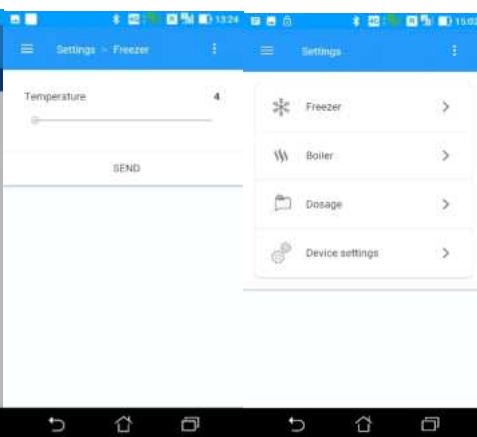
Enable service mode: voice only for the technical service or the manufacturer.



Pic. 1-18



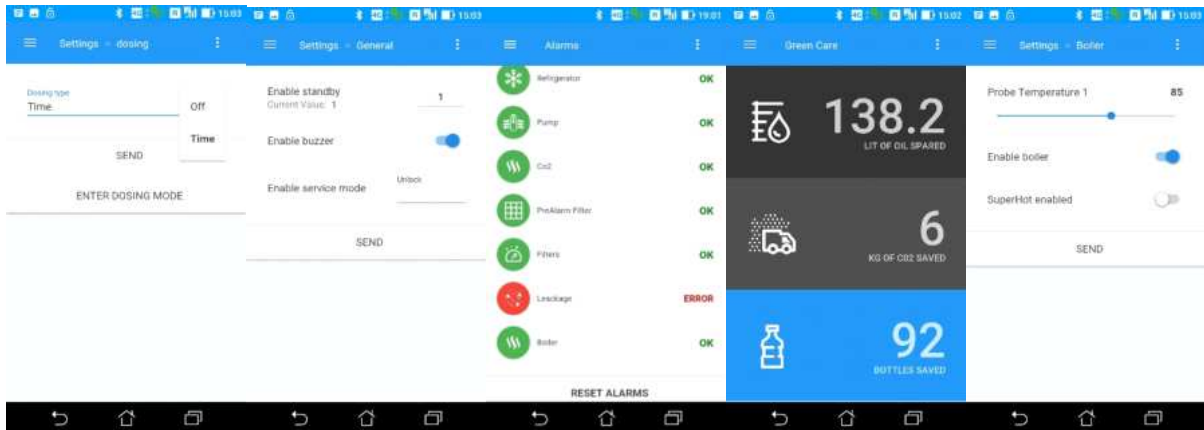
pic.2-18



pic. 3-18



pic. 5-18



Pic. 6-18

pic.7-18

pic.8-18

pic.9-18

pic.10-18

17-1 Description of the alarms visualized by the APP

Il sofisticato controllo a microprocessore dell'apparecchio tiene costantemente sotto controllo tutti parametri di funzionamento e di sicurezza, incluso lo stato di usura del filtro. The system is articulated in three levels: block prediction, temporary block and permanent block. The prediction block is used to communicate in advance when You have to replace the filter or the Co2 cylinder. The temporary block is used in case of anomalies that can be solved, such as the block of the pump with lack of water. These blocks can be removed with the button **RESET ALARMS** of Your App.

The permanent block is used in case of serious problems, such as: filter at the end of its life or sanitation request. The permanent block could be removed only by a technician.

In case of alarm the symbol in the App that corresponds to the anomaly turns red and appears the writing **ERROR**.

17-2 Description of alarms and other signals

- 1- **Refrigerator**: temporary block of the cooler for anomalies of the cooling system.
- 2- **Pump**: Temporary block of the pump for anomalies
- 3- **CO2**: temporary block, due to lack of Co2 gas
- 4- **Pre Alarm Filter**: Filter replacement
- 5- **Filter**: permanent block, filter at the end of its life
- 6- **Leakage**: leakage of water, temporary block of the cooler
- 7- **Boiler**: boiler anomalies, temporary block
- 8- **Ozono**: sanitation system anomalies; permanent block
- 9- **No communication**: control system anomalies, total block.

17-3 Mechanic Undersink: alarms in the Touch keyboard

The Undersink mechanic coolers have a Touch keyboard to set the temperature and see the alarms.

- 1- Block of the compressor of the cooling system: butto 4 lightened + noise at the pressure of button 4. Remove the plug for at least 20 seconds.
- 2-Block pump charge carbonator: supply button for sparkling water lightened. Reset the block removing the plug for at least 20 seconds.

17-4 Undersink Mechanic: set of water temperature from touch keyboard

- 1- In Undersink mechanic the temperature of the cooler can be adjust in three levels. If You press the button T5 for at least 5 seconds, You enter in the temperature setting; press buttons 2 or 4 to change the set and push T5 to save.

8°C = button 2 on

6°C = button 2 and 4 on

4°C = button 4 on

If You press button T2 or T4 You change the set; with button T5 save the new set.

18 Maintenance and cleaning of the cooler



ATTENTION: before performing any maintenance intervention, remove the plug of power supply and close the water and the Co2 gas.



ATTENTION: For ordinary maintenance, see the below data sheet.

18.1- Ordinary maintenance protocol (HACCP)

| HACCP | | | | | | | | |
|----------------------------|----------------------|---------------------|--------|---------|-----------|--------|------------------------|-----------------|
| INTERESTED PARTS | OPERATIONS | OPERATION FREQUENCE | | | | | OPERATOR | |
| | | DAILY | WEEKLY | MONTHLY | SEMESTRAL | ANNUAL | (*) QUALIFIED OPERATOR | (**) TECHNICIAN |
| FRONTAL PART | CLEANING | ● | | | | | ● | |
| CASE | | | ● | | | | | |
| DRIP TRAY | CLEANING, SANIZATION | ● | | | | | ● | |
| DRIP TRAY | DESCALING | | | ● | | | ● | |
| GRIGLIA APPOGGIO BICCHIERE | CLEANING | ● | | | | | ● | |

| | | | | | | | | |
|--------------------------------------|--------------------------|--|---|---|---|---|---|---|
| GRILL | DESCALING | | | ● | | | ● | |
| NOZZLE | CLEANING + SANIZATION | | ● | | | | | |
| WATER FILTER | REPLACEMENT | | | | | ● | | ● |
| HYDRIC CIRCUIT | SANIZATION | | | | ● | | | ● |
| WATER FILTER ON CHARGE FITTING | CLEANING | | | | | | | ● |
| (*) qualified perdonnel | | | | | | | | |
| (**) authorised technician. | | | | | | | | |

18.2-🔧 Periodical cleaning of the external surface (TABLETOP CTTE2-3-4-5)

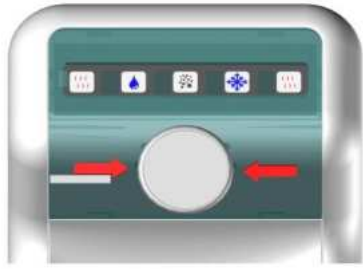
- 1- Remove the plug of the power cord, before cleaning the cooler.
- 2- For the periodic cleaning of the external surfaces, use a damp cloth and neutral soap; than dry immediately the surface with a dry cloth.
It is recommended to clean the coolers once a week.
- 3- Clean the drip tray with neutral soap once a day. Once a month use limescale removers.

18.3-🔧 Periodic cleaning of the drip tray and grill (Tabletop CTTE)

- 1- If the cooler is not directly connected to a drain, You have to empty the drip tray daily.
- 2- To clean the drip tray follow the instructions: remove the drip tray; empty it; remove the superior surface; clean with a damp cloth and neutral soap (once a month clean with limescale remover); clean with water and dry.
- 3- To clean the nozzle use a damp cloth and neutral soap; clean once a month with a limescale remover.

18.4-🔧 Periodical cleaning of the nozzle in Tabletop (Versione CTTE)

- 1-Remove the plug
- 2-Remove the chromed cover (pic.1-18)
- 3-Unscrew the seal of the nozzle, rotating it to the right (pic.2-18)
- 4- If You don't see the lining, pay attention that it's not in the cooler.
- 5-Remove the capsule of the vent; if You see traces of limescale, clean the parts with a limescale remover and than insert them for 10 minutes in a sanitizer liquid . Than mount the nozzle.
- 6-Insert the plug.
- 7-Put a vessel under the nozzle and supply at least 0,5 l of room temperature water to verify that there aren't any leakages. If there are leakages, fix the seal..
- 8-Insert the chrome protection.



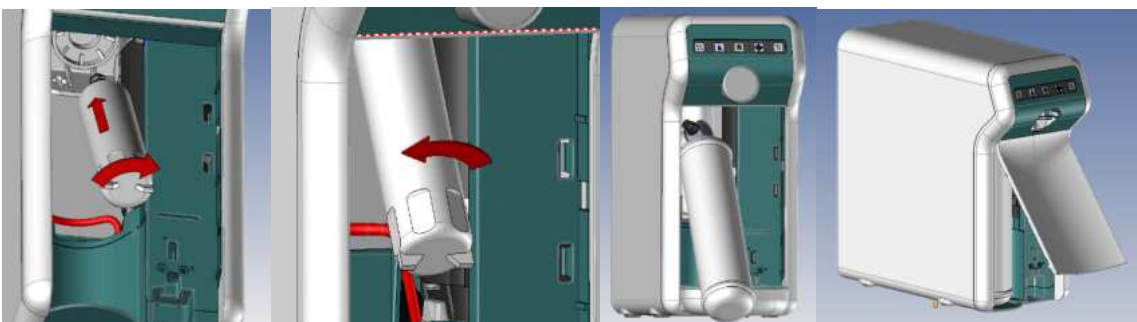
pic. 1-18



pic. 2-18

18.5 Water filter replacement

- 1- Close the water valve.
- 2- Put a glass under the nozzle , push the button to supply room temperature water; the cooler supply few water drops.
- 4- Remove the drip tray. and the plastic frontal panel.
- 5- Remove the plastic frontal panel (pic. 3-18)
- 6- Remove the cylinder in versions Tabletop CTTE3- Undersink CUSE3 and CUSM3 (pic. 4-18)
- 7- Before dismounting the filtering cartridge, make sure that the new one is the same type.
- 8- Pull outwards the cartridge and rotate it half turn (pic. 5-18).
- 9- Bring the cartridge and remove the plastic protection.
- 10- Insert the cartridge inside the cooler (pic. 6-18)
- 11- Mount the frontal plastic panel and for the Table top version insert the drip tray.
- 12-Open the water valve.
- 13-Insert the plug in the socket.
- 14-Take a vessel,
- 15-Press only the supply button for room temperature water (2) and supply at least 5 l of water.



pic. 3-18

pic. 4-18

pic. 5-18

pic. 6-18

19 Sanization

●1-The sanization must be performed by a technician authorized by the manufacturer, after the installation and each 12 months or after a period of disuse superior than 15 days.

For coolers installed in public places, follow the HACCP protocol.

●2- To perform the sanization is necessary to have the following material: sanization liquid 250 ml., empty cartridge for sanization, a vessel of 2 l., safety protections (gloves, glasses), paper, empty bucket of 10 l., new filtering cartridge.

●3- Proceed in the following way: close the water valve; push button 2 to supply room temperature water; remove the plug; remove the drip tray, if present, and the frontal plastic panel.

●4- Put the paper under the filter to avoid leakage of water from the filter head.

●5- Remove the filter cartridge. Put the liquid for sanization in the cartridge, using the funnel in equipment. If there is any leakage of sanization liquid, clean it quickly.

Insert the full cartridge in the cooler and rotate to fix it (see par. 19.5)

●6- Mount the plastic frontal panel and the drip tray, if present. Open the water and connect the plug of the cooler.

●7- Insert a vessel under the nozzle and supply 100 ml of room temperature water; then supply 300 ml of cold water and 1000 ml of sparkling water.



ATTENTION: with the coolers with hot water, You don't have to sanize the boiler circuit: the sanizer could damage the boiler.

●8- Wait 20-30 minutes and after that supply 3 liters for each type of water, respecting the sequence ambient-cold-sparkling. Then close the water valve and press the button 2 to let the pressure in the circuits go out. Remove the drip tray and the filter cartridge.

●9- Mount the new filter cartridge as described in par. 19.5. Mount the frontal panel and the drip tray and open the water valve. Supply at least 2 liters for each type of water, following the sequence ambient-cold-sparkling; wait 30 minutes and then the cooler is ready to supply.

●10- For all the mechanic coolers, it is necessary to write down the value that You find on the liter counter, to know when it's time to change the filter.

●11- For cooler versions CTTE. CUSE it is necessary to reset the cooler with the APP.


19.1 Replacement of inner single-use or rechargeable cylinder (Versions Undersink CUSE3 and Tabletop CTTE3)

When the Co2 cylinder is at the end of its life, the supply flow of sparkling water decrease, so You have to replace the cylinder in the following way:

●1- For Tabletop version, remove the drip tray.

●2- For Undersink version remove the frontal plastic panel .

●3- For Tabletop version: remove the frontal plastic panel.

- 4-Put the panel in a safety place.
- 5-Remove the cylinder, paying attention to the yellow pipe that is connected to the pressure reducer.
- 6- Rotate the cylinder clockwise; maintain it in vertical position.
- 7-  ATTENTION : **verify that the cylinder in replacement is the same type of the previous one.**
- 8- Remove the cap from the cylinder valve.
- 9- Couple the thread female of the cylinder with the male thread of the cylinder valve. Rotate the cylinder anticlockwise.
- 10- Rotate the handle of the pressure reducer to the previous value and wait a minute to see if there are any leakages.
- 10-Follow the safety prescriptions that You find on par. 16.2



Pic 1-19

Pic 2-19

Pic 3-19

19.2 Replacement of the outer Co2 cylinder



When the Co2 cylinder is at the end of its life, the supply flow of sparkling water decrease, so You have to replace the cylinder in the following way:

- 1-Rotate the handle of the pressure reducer to OFF.
- 2-If the cylinder has a flyer tap, close the valve.
- 3- Use a spanner of 28 mm, rotate the seal of the pressure reducer anticlockwise.
- 4-Replace the cylinder and fix it.
- 5- **verify that the cylinder in replacement is the same type of the previous one**
- 6- Couple the seal of the pressure reducer with the cylinder's valve, rotate it clockwise; fix it with the spanner.
- 7-Open the cylinder's tap.
- 8-If You hear any leakage of gas, close the tap immediately.
- 9- Rotate the handle of the pressure reducer to reach the maximum value (6- 6,5 Bar 0,6- 0,65 MPa); wait a minute to see if there are any leakages.



20 Guide to problem solving

| PROBLEM | CAUSE | SOLUTION |
|---|---|---|
| The cooler doesn't supply water | Lack of water, closed tap, water pipe damaged, check the water pressure. Presence of limescale in the nozzle. | Check if the tap is opened. Clean the nozzle with a limescale remover. Call the technical assistance centre. |
| | Water Filter blocked | Close the water and clean the filter under the water. |
| | Water Filter that must be replaced | Call the technical assistance centre. |
| The cooler doesn't supply water; the button of the Touch keyboards are OFF | Plug disconnected Technical problem | Check if the plug is in the socket. Call the technical assistance centre. |
| If you press the button for cold water the water supplied is not cold | Check the set of the temperature with the APP Condenser dirty or blocked, not enough ventilation Room temperature or temperature of entry water too high Technical problem in the cooling system | Set the temperature Clean the condenser and put the cooler in a ventilated place Call the technical assistance center. |
| When You supply sparkling water, the flow is weak | Gas pressure low Cylinder at the end of its life | Increase the gas pressure on the pressure reducer. Replace the cylinder. |
| The cooler supply sparkling water with a flow too strong, and the water is not enough sparkling | Gas pressure too high Temperature of the cooling system too high Pressure reducer damaged | Reduce the gas pressure in the pressure reducer. Call the assistance center. |
| The cooler supply gas mixed to water | Cooler temperature too high Gas pressure too high Carbonator pump blocked Filter blocked Problem in the cooling system | Reduce the gas pressure in the pressure reducer. Remove the plug for few minutes Clean the water filter on the fitting |
| The Co2 cylinder empty very quickly | Leak of gas Damaged pressure reducer | Use a leak detector. Check that the LP doesn't exceed the 6,5 Bar. Don't use the cooler Aerate the place where You have used the cooler Call the assistance center. |
| The water flows even if You don't touch any button | Problem to the valve circuit | Don't use the cooler and call the assistance center |
| If You press the button to supply hot water, the water is cold | Check if the boiler is ON Burned resistance | Turn the boiler to ON. Set the temperature. Call the assistance center. |
| If You press the button to supply hot water, it only exits vapor | See if the function super Hot is activated Technical problems in the thermostat | Decrease the temperature. Call the assistance center. |
| If You press the button to supply hot water, the cooler doesn't supply | Low water pressure Nozzle or cooler with limescale. | Check the main tap and use a limescale remover. |
| The cooler, just after the sanitation, supply water with an aftertaste of sanitizer | Residues of sanitizer in the circuits | Supply at least 1 liter of water for each type for some days. |
| The cooler supply water with a bad aftertaste | Internal water filter that must be replaced. Bacterias inside the cooler | Don't use the cooler and call the technical assistance center |
| There is a leak of water | Control the fitting Empty the drip tray in TT version Leakage inside the cooler | Don't use the cooler, remove immediately the plug and close the valve. Call the technical assistance center. |

21 Permanent or temporary set-aside of the cooler

●1-   **ATTENTION:** If You don't use the cooler for more than 15 days, it is strongly recommended to perform a sanitization and to replace the water filter. After a break of more than one week, before drinking water, supply at least 2 liters for each type of water; after a short break of at least 12 hours, supply at least one glass of water for each type, before drinking.

●2- If You have to set-aside the cooler for a limited period (15 days) , close the water main tap but don't remove the plug.

●3-   **ATTENTION:** In case of permanent set-aside, for a period longer than 15 days, close the water. For versions M3, E3, E5 close the cylinder and remove the plug. After the set-aside, call a technician to replace the water filter and perform a sanitization cycle.

22- Directive WEEE



This product is conform to the European directive 2012/19EU WEEE. The WEEE mark the polluting substances and the base components. To dispose of the WEEE, follow the instructions:

- 1- The WEEE aren't household waste.
- 2- The WEEE must be disposed in appropriate centers.
- 3- When You buy a new product, the old one could be given back free to the manufacturer, if it's the same type of the new one.

23- Packing materials

- 1- Don't disperse the packing materials in the environment.
- 2- We recommend You to put all the packing materials in a dry place, to eventually use them if You have to move the product.

23.1- Dismantling of packing materials

All the packing materials are free of dangerous substances. Dispose them in the appropriate containers for separate waste collection.

23.2- Dismantling of filtering water cartridge

The replaced cartridges must be disposed in appropriate dismantling centers CER 150203.

24 Warranty (Italy and west Europe)

The cooler made in SOPRANO S.r.l.s., has a warranty period of 24 months from the purchase date - 12 months for the mechanic versions – for manufacturing defects and materials damage. In case of repairing, the product must be brought to the nearest assistance center of the house builder or sent directly to SOPRANO. If You need further information, please contact us at our address:

SOPRANO S.r.l.s. Via Einaudi 50 - 35030 Saccolongo (PD) Italy - tel. +39 049 0998504
www.sopranowater.com

24-1 Warranty terms (Italy and west Europe)

- 1- The warranty could be accepted only if You attached to the certificate, the purchase invoice.
- 2-SOPRANO must repair, or if necessary replace the damaged parts.
- 3-The assistance centers of SOPRANO are the only ones that can perform interventions in warranty.
- 4- The eventual request of intervention in guarantee at home by the user will be subject to the charge of a cost comprising the right of call and the cost of the transfer from the authorized technical assistance center to the place where the appliance is located; the remaining costs will be borne by SOPRANO. Call and transfer costs can be different between the different countries of the Western EU.
- 5- Any work carried out under warranty at home, in the authorized service center or the Manufacturer, does not in any way constitute grounds for extending the warranty period of the appliance.
- 6- The warranty of the product ended if it is modified and/or adapted, without respecting the different regulations in force in the country for which the product has been designed and constructed. The manufacturer will not reimburse any damage deriving from the modifications or interventions reported below.
- 7-The warranty doesn't cover:
 - a) Periodical checkings, maintenance, replacement of parts subject to wear and tear.
 - b) Shipment costs, calling costs, and installation costs.
 - c) Improper use.
 - d) Damages caused by fire, water, war, insufficient ventilation and any other cause not depending from SOPRANO.
 - e) Use of not original or not approved accessories, or accessories non well installed.
 - f) Use of not original spare parts.
- 8- During the warranty period, Soprano, or its authorized service centers, will repair the product within thirty (30) working days from the receipt of the equipment. The Manufacturer SOPRANO, directly or through its authorized service centers, at its discretion, will replace the parts or the product.

9- Each person who formally take possession of the product during the warranty period will be able to benefit from this guarantee provided, if the equipment remains in the geographical area of Western Europe.

10- This guarantee does not affect the rights of the client prescribed by law according to the applicable national legislation; this warranty is only safeguard of the customer, neither Soprano, nor its subsidiary, its distributor or retailer are responsible for any accidental or indirect damage to SOPRANO products derived from the breach of the warranty conditions described above.

11- These conditions do not affect the rights recognized to the consumer by the Legislative Decree 2/02/02 n. 24 issued in implementation of the European Directive 99/44 / EC.