

GENERAL INFORMATION ON HOW TO USE HOT TUBS

HOT TUB PREPERATION

A hot tub needs to be placed on a flat, leveled surface (eg.: a wooden terrace or concrete surface). If the hot tub will not be positioned properly on the surface, this tub can lose strength, stability, or even aesthetic appearance.

Before starting to use the hot tub, it should be washed thoroughly. The polypropylene (plastic) or fiberglass tubs can be cleaned using the same chemicals as for the cleaning pools. After washing the hot tub, it can be filled with water (tap water). Before starting to use heating on the hot tub, make sure to fill water up leaving 10cm from top of edges.

⚠️ IMPORTANT-If the acquired hot tub has electrical components (SPA systems, LED lighting, filters, electrical heating) we recommend to connect the hot tubs electrical system directly to an electrical stationery wire, so no electrical outlets would be required. The stationary wire needs to be connected to the hot tubs relay, accordingly to the schematics below.

RCCBs Ex9CL-N, 6 kA

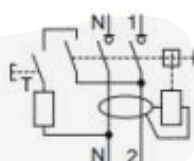
AC type, 2-pole

- AC type of residual current circuit breaker sensitive on residual AC current
- Without time delay
- Surge current-proof 250 A
- 30 mA version suitable for protection of people in case of direct and indirect contact with live parts and exposed conductive part during a fault, respectively
- Selective with upstream installed S or S+A type RCCB



Rated current	Rated residual current	Poles	Article No.	Type	Packing
25 A	30 mA	2	100607	Ex9CL-N 2P 25A 30mA	1/81
40 A	30 mA	2	100610	Ex9CL-N 2P 40A 30mA	1/81
40 A	300 mA	2	100612	Ex9CL-N 2P 40A 300mA	1/81

Wiring diagram



⚠️ IMPORTANT – To avoid electrical equipment problems and to secure safety you must make sure the electricity is with grounding.

⚠️ VERY IMPORTANT– If the hot tub has electrical heating the stationary wire needs to be 2,5m² thick.

HOT TUB HEATING

HOT TUB WITH INTERNAL HEATER

When the hot tub is filled with the right amount of water (10cm space from the top of the hot tub edge), you can fire up the heater. The best way to fire up the hot tub is with small pieces of wood and paper. When the flame is getting bigger you can add bigger pieces of wood. It is recommended to use dry wood. Fire thrust can be adjusted with the lid located on the top of the heater.

⚠️ IMPORTANT - the fiberglass hot tub heaters heating temperature can't rise higher than +55C° as higher temperature can damage the fiber glass alloy.

⚠️ IMPORTANT—do not add more wood than 2 thirds of the height of the heater.

⚠️ IMPORTANT- keep in mind that until the hot tub has the appropriate amount of water, you can't light the heater, because the emitted heat will damage the tub.

⚠️ IMPORTANT- water from the hot tub can be released only when the oven is completely cooled. Otherwise, the remaining heat will damage the hot tub and the heater itself.

HOT TUB WITH EXTERNAL HEATER

Outside heater, as well as an outdoor hot tub must be placed on a flat, firm ground. It is important that the front of the heater is slightly below. The external heater circulation system is **forbidden** to connect additional filters or circulatory. When the hot tub is filled with the right amount of water (fill until there is 10cm space from the top of the hot tub edge), you can fire up the heater. The best way to fire up the hot tub is with small pieces of wood and paper. When the flame is getting bigger you can add bigger pieces of wood. It is recommended to use dry wood. Fire traction can be adjusted with the oven door deflector.

⚠️ IMPORTANT—make sure do not add too much wood, so the flame won't burn through the doors.

⚠️ IMPORTANT - keep in mind until the hot tub has the appropriate amount of water, you can't light the heater, because the emitted heat will damage the tub.

⚠️ IMPORTANT - water from the hot tub can be released only when the oven is completely cooled. Otherwise, the remaining heat will damage the hot tub and the heater itself.

HOT TUB WITH INTEGRATED HEATER

When the hot tub is filled with the right amount of water (fill with tap water leaving 10cm space from the top of the hot tub edge), then you can fire up the heater. The best way to fire up the hot tub is with small pieces of wood and paper. When the flame is getting bigger you can add bigger pieces of wood. It is recommended to use dry wood. Fire traction can be adjusted with the oven door deflector.

⚠️ IMPORTANT— To have a good thrust make sure not to add too much wood so the flame won't burn through the doors

⚠️ IMPORTANT - keep in mind that until the hot tub has the appropriate amount of water, you can't light the heater, because the emitted heat will damage the tub.

⚠️ IMPORTANT - water from the hot tub can be released only when the oven is completely cooled. Otherwise, the remaining heat will damage the hot tub and the heater itself.

HOT TUB WITH ELECTRIC HEATING

When the hot tub is filled with the right amount of water (fill leaving 10cm space from the top of the hot tub edge), you can fire up the electric heater. First, activate the circulation pump with a button that is on the panel of the tub. After, it is time to adjust your desired temperature. The temperature is controlled by a swirling dial located on the heater. The temperature reaches the target (the desired heat level) electric heater shuts off automatically. When the water cools down, the heater turns itself on automatically to heat the water up to your adjusted temperature.

To completely turn off the heater, turn the circulation pump off (circulation pump is activated/deactivated with the same button on the panel of the tub).

⚠️ IMPORTANT—pouring the water out of the hot tub, the electric heater must be switched off (including the circulating pump).

⚠️ IMPORTANT—do not turn on the heater if the water level hasn't reached its recommended level.

NOTE: electric heater usage during sub-zero outdoor temperatures:

- The roller needs to be pointing on 0 C° before pouring in the water.
- Pour 20-30l of warm water in the hot tub, and turn on the circulation pump.
- Fill the hot tub with water to the recommended level.
- After the hot tub is filled with the recommended amount of water, set the heater roller to your desired temperature.

These steps need to be made during the cold season, when the outside temperature is below zero, so the circulation-pump won't freeze.

SPA SYSTEMS THEIR USE AND MAINTENANCE

AIR MASSAGE SYSTEM

Air massage system structure: air compressor 700W power, 12 pcs. Air jets - mounted in the wall of the tub, as well as other installation materials. Air massage on/off is located on the panel of the hot tub. After releasing the water from the hot tub, keep the air massage active for 30 seconds to remove water from the system.

⚠️ IMPORTANT—in the cold season, you can turn on the air system only when the water temperature is above 30C°.

WATER MASSAGE SYSTEM

Water massage system structure: Water compressor (900W - 1100W) power and 6 pcs. water jets plus other installation materials.

Water massage on/off is located on the panel of the hot tub. Water massage system has an additional controller (Compact design with rotatable handle in the tub panel next to the On / Off button) to manage their water flow "spray power". After releasing the water from the hot tub, keep the air massage active for 30 seconds to remove water from the system.

⚠️ IMPORTANT—in the cold season, you can turn on the air system only when the water temperature is above 30C°.

Hot Tub with Gas heating

INSTALLATION (PERMANENT WALL MOUNT)

Hanging and installing the water heater (for reference only)

Mark the holes on the wall, the position is subject to the actual model of your water heater, drill 4 holes of 8mm, put in the plastic dowels if needed.

1. Hang the water heater, tighten the screws.

LOADING THE BATTERY

The battery box is located under the waterheater. Load the batteries in the following order: See Fig. 1

- 1 Open the cover of the battery box.
- 2 Load two 1.5V batteries (D size) into the battery box, make sure of the proper polarity. Improper polarity will affect the performance of the water heater.
- 3 Close the cover on the battery box

INSTALLATION OF HOT AND COLD WATER PIPE

Use hoses that can withstand pressure to connect incoming and outgoing water connection. Note that the outgoing pipe also must withstand temperatures up to 70 °C

USER INSTRUCTIONS

BEFORE START IGNITION

Please check to make sure that the gas type is in accordance with the one stipulated on the name plate. Before igniting, open the cold water valve. Open the master gas switch and check that there is no leakage.

START IGNITION, WATER COMES OUT

Start ignition: Open the cold water valve, (or start the pump) the burner starts to ignite with a continuous “pa” sound, which stop after burning starts; hot water comes out immediately Note: When using this appliance for the first time, or after a long period between uses, repeat ignition is needed to discharge any existing air in the gas pipe. Use the knob “Gas”, “Water” and “Power” to adjust the water temperature.

With “Gas” and “Power” set to the Max position gives the maximum power. The knob "Water" adjust the waterflow so that the Max position gives greater waterflow and thus lower temperature out from the heater and vice versa.

For a temporary stop during use, close the hot water valve or stop the pump. The burner will stop burning automatically. Open the valve or start the pump for hot water again.

Note: Because the water will get very hot during a temporary stop, wait for a few seconds before coming into contact with the water

STOPPING THE HEATER (WATER STOPS COMING OUT)

To stop the water heater after use, close the hot water valve or stop the pump, the flame of the burner will go out automatically, and the water heater stops working.

Close the cold water valve or pump. Close the master gas valve.

PREVENT BURNS ON EYES

Upon ignition, never look at the flame with eyes close to the inspection hole. Keep your eyes a minimum of 300mm from the inspection hole. Wait 10-20 seconds before repeating ignition.

PREVENT THE HEATER FROM FREEZING:

- In very cold areas (with temperatures below 0), please remove the draining stopper after use to release access water. It's also recommended to disconnect the heater and move it to a storage place without risk for freezing.
- Some parts of the water heater may become loose due during transportation. In case of damages to the external housing after opening the package, get a repairman to check before use.

REPLACE THE BATTERIES.

- Replace the batteries if you see the following situations upon ignition or as the water comes out.
- Longer interval of sounds of “Pa, Pa” during ignition (approx. 2 sounds a second)
- The flame goes out shortly after ignition.

ABNORMAL HANDLE

In case of abnormal burning (flame-retrace separated flame, yellow flame or dark smoke etc.) unexpected smell, noise or emergency (earthquake or fire), remain calm to close the water heater to stop burning, close the gas valve afterwards and contact the service department or the gas supplier.

MAINTENANCE & SERVICES

- The water heater needs cleaning periodically (generally once every half year) to ensure its normal performance. Check the flame frequently, in case of a yellow flame with dark smoke, informs the service department for cleaning. To clean the external housing, please gently mop it with a wet cloth followed with a dry cloth. If the water heater remains unused for a long time, cover the top to prevent dust. Never use chemical detergents for cleaning; otherwise, the external housing would become faded and lose its gloss. All abnormalities must only be handled by qualified personnel.
- **Note:** The room installed with the water heater must have a fixed open air-induction opening. Closed windows are ineffective.

IN CASE OF GAS LEAKAGE, NEVER MAKE A FIRE OR TOUCH ANY ELECTRIC SWITCHES,


Regularly check the pipe to make sure of good air tightness. If cracked, replace the pipe at once. Under normal conditions, the gas pipe needs to be checked once a year.

- If the gas pipe is cracked, stop using it and replace it. For users of Propane: if the flame of the water heater is inconsistent, it may be due to a malfunction of the gas pressure reducer, Stop using the pressure reducer and replace it, or get it repaired and installed by a professional technician.
- For users of piped gas or natural gas: if the flame is abnormal, it is due to an unstable gas pressure. Stop using the water heater temporarily.
- Continued use will damage the water heater and possibly cause an accident.

COMBINATED SPA SYSTEM


Water massage system structure: air compressor 700W power and water compressor (900-1100W), 8 pcs. combined water / air jets - installed in the tub wall, additional 4 units of air jets.

Combined massage system has 2 switches in the tub panel. One of them turns on / off the air compressor, the other switches on / off water compressor. You can enable or air massage or water massage, or both devices together. After releasing the water from the hot tub, keep the air massage active for 30 seconds to remove water from the system.

 **IMPORTANT**—in the cold season, you can turn on the air system only when the water temperature is above 30C°.

WATER FILTERS CARTRIDGE FILTER


Cartridge filter is being built next to the tub and connected by two hose through which filter water in the tub.

 **IMPORTANT**—in the cold season, when the air temperature is below 0 degrees, it is necessary to close the filter openings inside the tub, so the water can't reach and freeze the filter connection hoses.

When heated tub warms up to +30 degrees, open the filter openings. If the tub is kept at a constant temperature, the filter can be used in sub-zero temperature.

SANDFILTER

Sand water filter is being built next to the tub and connected by two hose through which filter water in the tub.


 **IMPORTANT**—in the cold season, when the air temperature is below 0 degrees, it is necessary to close the filter openings inside the tub, so the water can't reach and freeze the filter connection hoses.

When heated tub warms up to +30 degrees, open the filter openings. If the tub is kept at a constant temperature, the filter can be used in sub-zero temperature.

SKIMMER

Skimmer – immersed in water filter. In order to filter the water in the hot tub into the, the skimmer is immersed filter which is connected to a power.

The skimmer can be turned on during bathing in the hot tub because it brings 12V electric current.

 **PROHIBITED!** Keep water in the tub, if outside air temperature is below zero and the tub is not supported with oven or electric heater to keep warm optimal water temperature.

At least once a year it is recommendation to impregnate wood finishes with paint (impregnate liquid or outdoor paint) at least once a year.

The Oven cleaning is recommended every 3-5 times after using the hot tub, using a small spatula.

Do not leave functional hot tub without any attention!

For safety reasons do not leave children unattended in side hot tub or next to it while the water is filled up for any circumstances!!!

Always be safe with fire place if tub heated with external or internal fire place

Good use and pleasant feelings!

