

## 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, 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 is washed thoroughly (polypropylene (plastic), fiberglass tubs can be cleaned using the same chemicals as cleaning pools). After washing the hot tub, it can be filled with water (tap water). Fill the water up until there is 10cm left to the top of the hot tub edges, only then you can start heating the hot tub.

**⚠️ 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

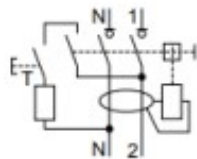
### AC type, 2-pole


- 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 2,5m<sup>2</sup> thick.


### HOT TUB HEATING


#### *HOT TUB WITH INTERNAL HEATER*

When the hot tub is filled with the right amount of water (fill until there is 10cm space from the water and the top of the hot tub), 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** – 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.


 **IMPORTANT** - the fiberglass hot tub heaters heating temperature can not rise higher than + 55C °. Higher temperature can damage the fiber glass alloy.

#### *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 water and the top of the hot tub), 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 not to add too much wood so the flame won't burnt through the doors and that there would be good thrust.


 **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 INTEGRATED HEATER*

When the hot tub is filled with the right amount of water (fill until there is 10cm space from the water and the top of the hot tub), 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 not to add too much wood so the flame won't burnt through the doors and that there would be good thrust.


 ***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 until there is 10cm space from the water and the top of the hot tub), you can fire up the electric heater. First, activate the circulation pump with a buttons that is on the panel of the tub. After, it is time to adjust your desired temperature. The temperature is controlled by 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 yet 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, 6 pcs. water jets, 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°.

#### *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.

##### *SAND FILTER*

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 (oven or electric heater) said the water temperature.

Recommended to impregnate wood finishes - paint (impregnant, outdoor paint) at least once a year.

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

Good use and pleasant feelings!