

Precautions and Conditions of Using for Outdoor SPA

1. Environment of Using

(1) Inlet water temperature: The inlet water temperature must be between 0°C and 40°C and ensure the water does not freeze in the product. The water would freeze and cannot flow if the temperature lower than 0°C. If higher than 40°C, error codes would appear in the control system panel (because it is beyond the system's temperature detection range) and stop working.

(2) The POOLI Spas are all equipped with Pool PU insulation and PS skirt insulation, plus the additional Spa lid for purchase, the lowest ambient temperature to use them outdoors would be around -20°C ~ -30°C in winter. But this standard is limited to the following steps are strictly followed by end users.

Instructions and Requirements in Winter

Based on the above situations, to operate the spa correctly in winter the user needs to follow below steps and requirements:

- 1) The season of installing the product: best at the end of spring or early fall, it is recommended that be installed and electrified before the temperature gets to under 0°C.
- 2) If user wants to use the product in Winter, please ensure there are enough water inside in the Spa and keep the power on, to avoiding the water from freezing.
- 3) If user doesn't want to use it in Winter, the water in the spa should be drained away completely, then check and make sure there is no water left in the water pumps and the pipes; please twist off the inlet connector that is in the front of the water pump, keeping ventilation as long as possible to make the water evaporate(you can leave the cover off

at the same time).

- 4) If user needs to use and inlet the water into the spa in winter(or subzero temperature), please ensure that the water does not freeze before the spa is fulfilled, and power it on as soon as possible to make sure normal using.

2. About the Protection of the Low Temperature Environment by the Spa System

For both KL8-3 system or Balboa system, the Low Temperature Protection Function is set in the operating system. As long as there is enough water and the power is on, when the temperature drops to a certain point (5-6°C for KL8-3 and 7°C for Balboa), it would trigger the low temperature protection function of the system, and turn on the heater until the water is heat up to 10°C.

3. About the mode of control system

(1) For the KL8-3 system, it can be set into 2 different modes. 1) **Heat Preserving mode** (or we called it standard mode: heating function keeps running. The heater will start running when the temperature is 2°C lower than the setting temperature and it will stop working when it reached to the setting temperature). 2) **Preset heating Mode** (heating within a specified time, but it might not reach the preset temperature). The other option could be that don't set up the heating mode (in this case the heater doesn't start up, but when the temperature drops to low temperature protection conditions, the protection function would turn on automatically, in order to keep the water from freezing.)

(2) For Balboa (BP series) system, there are only two modes: "Keep standby" and "Rest".

“Keep standby” can be interpreted as standard mode, the heating function keeps on – it starts to work when the actual temperature is lower than the setting temperature; “Rest” mode can be understood as sleep mode, the heater only starts working when the pump circulating cycle turns on. And the water could only be heated to about 10°C below the set temperature (for example the set temperature is 40°C, the water can only be heated up to around 30°C).