

# • Single/Dual-Pump System •



This Quick Reference Card is a summary of your spa's main functions and provides a quick overview of operations accessible from your spa side keypad.

## To start Pump 1:



Press the **Pump 1** key to turn Pump 1 on at low speed. Press a second time to turn Pump 1 to high speed. A third press will turn Pump 1 off. A built-in timer will turn Pump 1 off after 20 minutes unless it has been manually deactivated.



The "Pump1" indicator lights up when Pump 1 is on at high speed. It flashes when Pump 1 is on at low speed.

## To start Pump 2:



*For Dual-pump configuration only.*

Press the **Pump 2** key to turn Pump 2 on. Press a second time will turn Pump 2 off. A built-in timer will turn Pump 2 off after 20 minutes unless it has been manually deactivated.



The "Pump2" indicator lights up when Pump 2 is on.

## To Start the blower:



*For Dual-pump configuration only.*

Press the **Blower** key to turn Blower on. Press a second time will turn the blower off. A built-in timer will turn Pump 2 off after 20 minutes unless it has been manually deactivated first.



The "Blower" indicator lights up when blower is on.

## To turn the light on:



Press the **Light** key to turn the light on. Press a second time will turn the light off. A built-in timer will turn the light off after 2 hours unless it has been manually deactivated.



The "Pump2" indicator lights up when Pump 2 is on.

## Setting water temperature:



Press the **Up/Down** arrow key to increase or decrease the desired water temperature. The selected temperature setting ("set point" value) will be displayed for 5 seconds as a confirmation.



The "Set Point" indicator will indicate that the temperature shown is the desired, and not the current temperature of the water!

The temperature can be adjusted by 1° increments from 59 - 104°F (15-40°C).

## Temperature unit:

Water temperature can be displayed in °F or °C. Simply press and hold the Light key for 10 seconds to toggle between °F or °C.

## Water heater automatic start:

When the water temperature is 1° (0.5°C) lower than the set point, the heater will be turned on until the water temperature reaches the set point plus 1°(0.5°C).



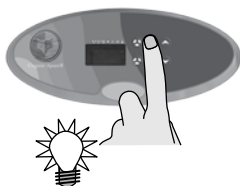
The "Heater" indicator lights up when heater is on. It flashes when there is a request for more heat but the heater has not started yet.

# PROGRAMMING THE FILTER CYCLE DURATION

The system will automatically perform two filter cycles per day. During a filter cycle:

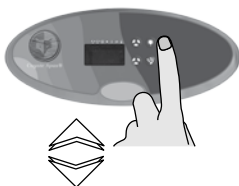
- If present, Pump 2 and/or Blower run(s) for one minute, then
- Pump 1 runs a low speed for the **programmed number of hours, and the ozonator is turned on.**

## To set the Filter cycle duration



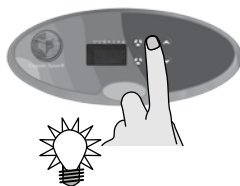
Press and hold the Light Key for 5 seconds.

The display will show "xx" where the "xx" represents the current set filter cycle duration in hours.



Use the Up or Down arrow key to change the settings.

0 = no filter cycle  
12 = continuous filter cycle.



When the desired setting is displayed, press the Light key again.

The "Filter Cycle" indicator lights up during the filter cycle.



An irregularly flashing "Filter Cycle" indicator indicates that the system has stopped filtering after 3 hours because the water temperature exceeds the set point by more than 2°F (1°C). If the temperature cools down to 1°F (0.5°C) above the set point before the scheduled end of the cycle, filtering will resume for the remaining programmed duration.

Note: After a power failure cycle duration will return to its default value (6 Hours). In this case the first filter cycle will start 12 hours after the power has been restored.

## TROUBLESHOOTING



The pump starts by itself for one minute on several occasions and the "Filter Cycle" indicator is flashing.

Not a bug but a feature!

The **Smart Winter Mode** of the spa pack protects your spa from the cold by turning the pump on for one minute several times a day to prevent the water from freezing in the pipes.



The "OHH" error message is displayed.

- ▶ The system has shut the heater down because the water temperature **at the heater** has reached 119°F (48°C).



The "OHS" error message is flashing.

- ▶ They system has shut down because the water temperature **in the spa** has reached 112°F (44°C). Only the **Smart Winter Mode** remains active.

In both cases, do not enter the water! Allow the water to cool down to 104°F (40°C), then turn the breaker off to reset the system. Call your dealer or service supplier if the problem persists.



The "H20" error message is displayed.

The system does not detect any water pressure when the pump is turned on.

Check and open water valves. Check for water level. Clean filter. Call your dealer or service supplier if the problem persists.



The "PSF" error message is displayed.

The system detects a problem with the pressure switch. Call your dealer or service supplier.



The "Prr" error message is displayed.

The system detects a problem with the temperature probe. Call your dealer or service supplier.

The display is flashing.

A power failure has occurred. Press any key to reset your system, then reprogram all desired parameters.

