

PHOENIX ECONOMY

OPIN PXEC-07/15/03

SPECIAL OPERATING INSTRUCTIONS

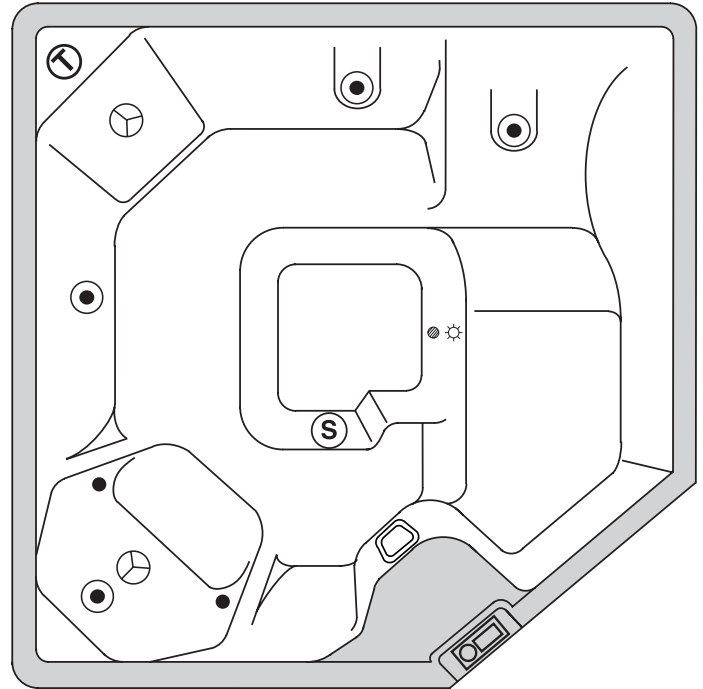
SINGLE WATER PUMP SYSTEM

Total No. of Water Jets 9
Total Horsepower:..... 1.5
Control System..... 1500D

LEGEND

All features not available on all models.

○ Air Jet	● Laser Jet	Ⓣ Pulsator Jet
Ⓢ Whirlpool Jet	◐ Shoulder Jet	⊗ Swirl Jet
⊙ Therapy Jet 1	● Therapy Jet 2	☀ Light
Ⓣ Therapy Control Valve	☉ Ozone-ready Jet*	
Ⓟ Blower Control Valve	Ⓢ Suction Fitting	
Ⓛ Main Control Panel	* Ozone is optional	



ELECTRICAL REQUIREMENTS

120 V, 20 AMPS
3 WIRE (Line 1, Line 2, & ground)

PRIMARY PUMP

Operates all water jets.

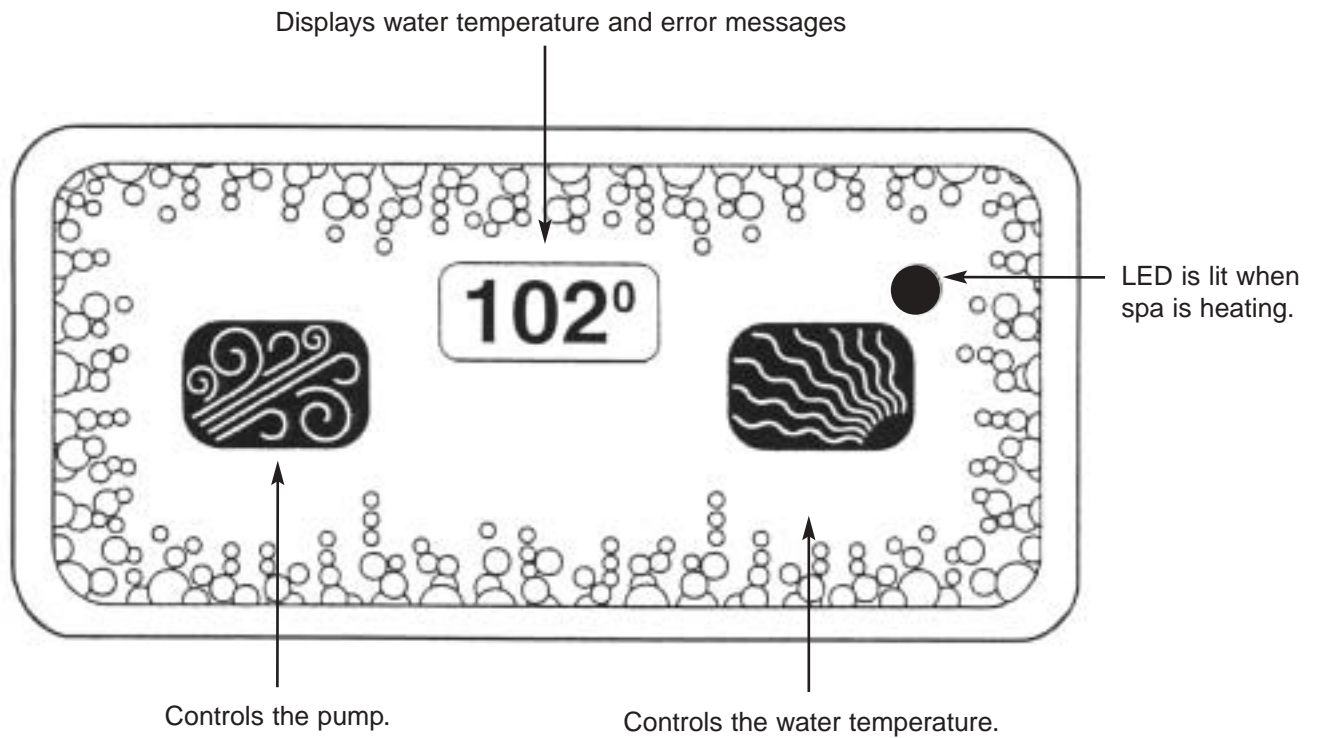
TO ACTIVATE THE PRIMARY WATER PUMP—
Press pump button on control panel. This will activate the primary pump to LOW SPEED.

Pressing pump button a second time will turn your primary pump to HIGH SPEED.

To TURN OFF, simply press pump button again.

THERAPY CONTROL VALVES

The THERAPY CONTROL VALVES (Ⓣ) in your hot tub allow you to increase or decrease the intensity of the hot water therapy by providing control of the water and air mixture. Simply by rotating your THERAPY CONTROL VALVE (Ⓣ) counterclockwise, you can increase the therapeutic action. To decrease the therapeutic action, rotate the THERAPY CONTROL VALVE (Ⓣ) clockwise. THERMOSPAS provides a THERAPY CONTROL VALVE (Ⓣ) usually within easy reach providing convenient, total control therapy. For maximum hot tub efficiency, be sure to close all THERAPY CONTROL VALVES (Ⓣ) when you are finished using your hot tub.



Advanced microprocessor technology has been combined with solid state electronic switches to create the Spa Tub Control System. The Spa Tub is a very simple control system designed for total ease of use. The Spa Tub requires no programming. Each control feature is easily accessed and manipulated by the simple touch of a finger.

Your Spa Tub Control System is constructed to give years of trouble-free service. Safety is assured through design concepts and materials which meet, or exceed, the most stringent requirements of recognized safety agencies. Field proven through years of testing and evaluation, every feature has been optimized for maximum utilization of your spa. Relax and enjoy your spa experience — you deserve the break!

Initial Start Up

Your spa control has been specifically designed so that by simply connecting the spa to its properly grounded source, the spa will automatically heat to the set temperature.



Minimum temperature = 90°F
Maximum temperature = 104°F

Temperature Adjustment—

Temperature is controlled by pushing the set temperature pad. The display shows the actual water temperature unless the pad is pressed. When the pad is pressed, the display will show the set temperature. Pressing the pad a second time will cause the set temperature to increase or decrease depending on what direction was last chosen. Each successive press will change the set temperature in the same direction.

If the opposite direction is desired, release the pad and let the display revert to the actual water temperature again. Press the pad to display the set temperature, and again to make the temperature change in the desired direction.



Light and Pump—

Press the control pad to turn ON the tub light. Press the pad again and the low-speed pump will operate. Press the pad a third time and the high-speed pump will run. Press the pad again and all functions will turn OFF after some period of operation. The low-speed pump starts automatically when the heater is turned ON. If automatically activated, the low-speed pump cannot be turned OFF with the function pad; however, the high-speed pump may be started.

Preset Filter Cycles—

Your spa will automatically filter itself twice each day. The first filter cycle will begin immediately after the spa is energized. The second filter cycle will begin 12 hours after the start of the first filter cycle. Each filter cycle is 2 hours in duration. During filtration, the low-speed pump runs continuously.

SAFETY FEATURES

OH

OVERHEAT PROTECTION

If the spa should overheat, the display will flash “OH” — meaning the system is overheating. In such a condition — DO NOT ENTER THE WATER. Turn OFF all power to the spa and contact your dealer or service organization. To reset the spa, press any panel button.

FL

FLOW SWITCH DETECTION

If a pressure switch malfunctions, the display will show “FL” — meaning flow. Contact your dealer or service organization.

Sn

OPEN SENSOR (Spa is deactivated)

If either the high-limit or water temperature sensor malfunctions, the display will show “Sn” — meaning sensor. Contact your dealer or service organization.

FREEZE PROTECTION

If a freeze condition is detected, the pumps are automatically activated. This is a normal spa function — no corrective action is necessary. Freeze protection is enabled regardless of the spa's status.



Warning! Shock Hazard! No User Serviceable Parts!

Do not attempt service of this control. Contact your dealer or service organization for assistance. Follow all owner's manual power connection instructions. Installation must be performed by a licensed electrical and all GROUNDING connections must be properly installed.

WARNING

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instruction, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a class B computing device in accordance with the specifications in subpart J of part 15 of the FCC rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference, which can be determined by turning the equipment ON and OFF, the user is encouraged to try to correct the interference by one or more of the following measures: • Reorient the receiving antenna. • Relocate the receiver with respect to the spa. • Move the receiver away from the spa. • Plug the receiver into a different outlet so that the receiver and spa are on different branch circuits. • If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. • The user may find the following booklet prepared by the Federal Communications Commission helpful—“How to Identify and Resolve Radio-TV Interference Problems”. This booklet is available from the U.S. Government Printing Office, Washington, DC 20402, Stock No. 004-000-00345-4.

Economy Mode

To set your hot tub in economy mode, press , and then press . The set temperature will be locked, but may still be viewed. The display will alternate between the water temperature and "Econ." Follow same sequence to change back to standard mode.