

Evolution

Owners Manual



Manufactured by Premium Fiberglass Pools



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IMPORTANT SAFETY INFORMATION

Your physiological response to hot water depends on subjective factors such as age, health, pregnancy, temperature sensitivities, chemical sensitivities, and medical history.

Please consult a physician before using a hot tub to understand your particular tolerance and limitations.

READ AND FOLLOW ALL INSTRUCTIONS

WARNING- To reduce the risk of injury, do not permit children to use this product unless they are closely supervised at all times.

A wire connector is provided on this unit to connect a minimum 8 American Wire Gauge (AWG) Copper conductors between this unit and any metal equipment, metal enclosures of electrical equipment, metal water pipes within 5 ft The unit.

*For cord connected/convertible units:

Risk of injury.

Replace damaged cords, immediately. Do not bury cords. Connect to a grounded, grounding-type receptacle only.

*For units with GFCI: Warning

This product is provided with a ground fault circuit interrupter located in the main panel. The GFCI must be tested before each spa use.

DANGERS

RISK OF ACCIDENTAL DROWNING: EXTREME CAUTION MUST BE EXERCISED TO PREVENT UNAUTHORIZED ACCESS BY CHILDREN. TO AVOID ACCIDENTS, ENSURE THAT CHILDREN CANNOT USE THE SPA UNLESS THEY ARE SUPERVISED AT ALL TIMES. ALWAYS COVER THE HOT TUB AND USE SAFETY LOCKS WHEN IT IS NOT IN USE.

RISK ON INJURY: ACTION FITTINGS IN THIS SPA MATCH THE SPECIFIC WATER FLOW CREATED BY THE PUMP. SHOULD THE NEED ARISE TO REPLACE THE SUCTION FITTINGS OR THE PUMP, BE SURE THAT THE FLOW RATES ARE COMPATIBLE. NEVER OPERATE THE SPA IF THE SUCTION FITTINGS ARE BROKEN OR MISSING. NEVER REPLACE A SUCTION FITTING WITH ONE RATED LOWER THAN THE FLOW RATE ON THE ORIGINAL SUCTION FITTING.

RISK OF ELECTRIC SHOCK: INSTALL AT LEAST FIVE FEET FROM ALL METAL SURFACES. AS AN ALTERNATIVE, A SPA MAY BE INSTALLED WITHIN FIVE FEET OF METAL SURFACES IF EACH METAL SURFACE IS PERMANENTLY CONNECTED TO A MINIMUM 8 AWG SOLID COPPER CONDUCTOR CONNECTED TO THE WIRE CONNECTOR ON THE TERMINAL BOX THAT IS PROVIDED FOR THIS PURPOSE.

RISK OF ELECTRIC SHOCK: ANY ELECTRIC APPLIANCE, SUCH AS A LIGHT, TELEPHONE, RADIO, OR TELEVISION, WITHIN FIVE FEET OF A SPA. DO NOT OPERATE SUCH AN APPLIANCE FROM INSIDE THE HOT TUB.

WARNINGS

TO REDUCE THE RISK OF INJURY:

- THE WATER IN THE SPA SHOULD NEVER EXCEED 40 DEGREES CELSIUS (104 DEGREES FAHRENHEIT). WATER TEMPERATURES BETWEEN 38 DEGREES CELSIUS (100 DEGREES FAHRENHEIT) AND 40 DEGREES CELSIUS (104 DEGREES FAHRENHEIT) ARE CONSIDERED SAFE FOR A HEALTHY ADULT. LOWER WATER TEMPERATURES ARE RECOMMENDED FOR YOUNG CHILDREN AND WHEN SPA USE EXCEEDS 10 MINUTES.
- SINCE EXCESSIVE WATER TEMPERATURES HAVE A HIGH POTENTIAL FOR CAUSING FETAL DAMAGE DURING THE EARLY MONTHS OF PREGNANCY, PREGNANT OR POSSIBLY PREGNANT WOMEN SHOULD LIMIT SPA WATER TEMPERATURES TO 38 DEGREES C (100 DEGREES FAHRENHEIT).
- BEFORE ENTERING A SPA, THE USER SHOULD MEASURE THE WATER TEMPERATURE.
- ALCOHOL, DRUGS, OR MEDICATION BEFORE OR DURING SPA USE MAY LEAD TO UNCONSCIOUSNESS WITH THE POSSIBILITY OF DROWNING.
- OBESE PERSONS OR PERSONS WITH A HISTORY OF HEART DISEASE, LOW OR HIGH BLOOD PRESSURE, CIRCULATORY SYSTEM PROBLEMS, OR DIABETES SHOULD CONSULT A PHYSICIAN BEFORE USING A SPA.
- PERSONS USING MEDICATION SHOULD CONSULT A PHYSICIAN BEFORE USING A SPA SINCE SOME MEDICATIONS MAY INDUCE DROWSINESS WHILE OTHER MEDICATIONS MAY AFFECT HEART RATE, BLOOD PRESSURE, AND CIRCULATION.

- DO NOT CONNECT AUXILIARY COMPONENTS (SUCH AS HEADPHONES, TABLETS, AND ADDITIONAL SPEAKERS) TO THE STEREO (IF EQUIPPED).
- DO NOT USE A HOT TUB IMMEDIATELY FOLLOWING STRENUOUS EXERCISE.
- DO NOT USE YOUR HOT TUB ALONE.
- LOCK THE COVER ON YOUR HOT TUB WHILE NOT IN USE.
- PERSONS WITH INFECTIOUS DISEASES SHOULD NOT USE A HOT TUB.
- REPLACE AUDIO COMPONENTS ONLY WITH IDENTICAL COMPONENTS.
- DO NOT LEAVE THE CD ACCESS DOOR OPEN TO THE STEREO (IF EQUIPPED).
- SOME TYPES OF HAIR DYE CAN REACT WITH THE SANITIZERS IN YOUR HOT TUB WATER CAUSING YOUR HAIR TO CHANGE COLOR. USE AT YOUR OWN RISK.
- WATER MAY SPLASH OUT OF A HOT TUB DURING TYPICAL USE. INSTALL AN ADEQUATE PERIMETER THAT PROVIDES SOUND FOOTING.
- DO NOT TURN YOUR HOT TUB ON/OFF FROM A WALL SWITCH, GROUND-FAULT CIRCUIT INTERRUPTER, CIRCUIT BREAKER, FUSE, OR BY PLUGGING/UNPLUGGING IT.
- REMOVE ALL JEWELRY, METAL, AND WATCHES BEFORE ENTERING YOUR HOT TUB.
- KEEP ALL BREAKABLES AWAY FROM THE HOT TUB AREA.
- MAINTAIN WATER BALANCE IN ACCORDANCE WITH INSTRUCTIONS.

HYPERTHERMIA

TO REDUCE THE RISK OF INJURY, THE WATER TEMPERATURE IN A HOT TUB SHOULD NEVER EXCEED 104 DEGREES FAHRENHEIT (40 DEGREES CELSIUS). WATER TEMPERATURES BETWEEN 100 DEGREES FAHRENHEIT (38 DEGREES CELSIUS) AND 104 FAHRENHEIT (40 DEGREES CELSIUS) ARE CONSIDERED SAFE FOR A HEALTHY ADULT. LOWER WATER TEMPERATURES ARE RECOMMENDED FOR YOUNG CHILDREN, SENIOR CITIZENS, PERSONS WITH SENSITIVITIES, AND WHEN HOT TUB USE EXCEEDS 10 MINUTES.

THE EFFECTS OF HYPOTHERMIA INCLUDE:

- FAILURE TO PERCEIVE HEAT
- FAILURE TO RECOGNIZE THE NEED TO EXIT THE HOT TUB
- PHYSICAL INABILITY TO EXIT THE HOT TUB
- FETAL DAMAGE IN PREGNANT WOMEN
- UNCONSCIOUSNESS AND THE DANGER OF DROWNING

IF YOU SENSE ANY OF THE SYMPTOMS OF HYPOTHERMIA, SAFELY EXIT THE HOT TUB IMMEDIATELY.

BASIC SAFETY GUIDELINES

YOUR HOT TUB IS MEANT TO BE ENJOYABLE, HEALTHFUL, AND RELAXING. BELOW ARE SOME BASIC SAFETY GUIDELINES TO FOLLOW EVERY TIME YOU USE YOUR HOT TUB.

- ALWAYS CHECK THE TEMPERATURE OF YOUR HOT TUB BEFORE ENTERING. HIGH WATER TEMPERATURES CAN BE HAZARDOUS TO YOUR HEALTH.
- PERSONS SUFFERING FROM HEART DISEASE, DIABETES, HIGH OR LOW BLOOD PRESSURE, AND PREGNANT WOMEN SHOULD CONSULT A DOCTOR BEFORE USING YOUR HOT TUB.
- PERSONS UNDER THE INFLUENCE OF MEDICATION, DRUGS, OR ALCOHOL SHOULD NOT BE ALLOWED INTO YOUR HOT TUB.
- DO NOT ALLOW CHILDREN TO USE YOUR HOT TUB WITHOUT THE CONTINUOUS SUPERVISION OF AN ADULT.
- DO NOT USE YOUR HOT TUB ALONE.
- TEST THE GROUND FAULT CIRCUIT INTERPRETER (GFCI) BREAKER PRIOR TO USING YOUR HOT TUB EACH TIME TO ENSURE IT OPERATES PROPERLY.
- ANY ELECTRICAL DEVICES NEAR YOUR HOT TUB MUST BE GFCI PROTECTED AND OUT OF REACH FROM INSIDE THE HOT TUB.
- KEEP ALL BREAKABLES AWAY FROM THE HOT TUB AREA.
- LOCK THE COVER ON YOUR HOT TUB WHEN NOT IN USE.
- ENTER AND EXIT THE HOT TUB SLOWLY. WET SURFACES CAN BE SLIPPERY.
- PROLONGED IMMERSION CAN BE HAZARDOUS TO YOUR HEALTH.
- MAINTAIN WATER CHEMISTRY IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
- THE HOT TUB IS NOT TO BE USED BY PERSONS WITH REDUCED PHYSICAL, SENSORY OR MENTAL CAPABILITIES, OR LACK OF EXPERIENCE AND KNOWLEDGE UNLESS THEY HAVE BEEN GIVEN SUPERVISION OR INSTRUCTION.

BASIC WATER QUALITY GUIDELINES

- DURING THE INITIAL FILLING OF THE SPA, ADD A SEQUESTERING AGENT TO COMBAT SUSPENDED MINERALS IN THE WATER. ALLOW WATER TO CIRCULATE AND FILTER FOR AT LEAST TWELVE HOURS BEFORE ADDING ANY OTHER CHEMICALS.
- TEST WATER FOR PH, TOTAL ALKALINITY, AND CALCIUM HARDNESS.
- PH SHOULD BE 7.2- 7.8
- TOTAL ALKALINITY 80-180 PPM
- CALCIUM HARDNESS LEVEL SHOULD BE MAINTAINED BETWEEN 150 AND 400 PPM
- ADJUST PH AND TOTAL ALKALINITY (TA) UTILIZING THE DIRECTIONS ON THE CHEMICAL BOTTLES. WAIT FOR 15 TO 30 MINUTES, THEN TEST AND ADJUST IF NECESSARY.
- ADD 2 OZ OF CONCENTRATED CHLORINATING GRANULES (SODIUM DICHLOR-S-TRIAZINETREONE) ON INITIAL START-UP TO BEGIN SANITIZING THE SPA WATER. IT IS IMPORTANT NOT TO ADD THE CHLORINATING GRANULES UNTIL THE PH, ALKALINITY, AND CALCIUM HARDNESS HAVE BEEN ADJUSTED TO THEIR PROPER LEVELS.
- CHECK SPA WATER WITH A TEST STRIP FOR PROPER SANITATION LEVELS AND ADJUST ACCORDINGLY TO THE PROPER LEVELS. FREE CHLORINE SHOULD BE 2 TO 4 PPM.
- WE RECOMMEND A MINIMUM LEVEL OF 2 PPM RESIDUAL CHLORINE IS MAINTAINED IN SPA WATER. BE SURE THE PUMPS ARE RUNNING WHEN ADDING CHLORINE OR NON-CHLORINE SHOCK/ OXIDIZER.
- ADD 1 OZ OF NON-CHLORINE SHOCK/OXIDIZER OR ½ OUNCE OF CHLORINE TO THE SPA WATER AFTER EACH USE.

SITE SELECTION AND INSTALLATION

PROPER PLANNING IS AN IMPORTANT CONSIDERATION WHEN INSTALLING YOUR NEW HOT TUB.

SITE SELECTION IS A CRITICAL STEP AND REQUIRES SERIOUS THOUGHT. PLANNING AHEAD MAKES THE INSTALLATION PROCESS EASIER. THE FOLLOWING INFORMATION IS PROVIDED TO ASSIST YOU IN SITE PREPARATIONS.

NOTE: YOUR HOT TUB IS NOT DESIGNED TO BE RECESSED IN THE GROUND OR IN A DECK.

- ALWAYS COMPLY WITH LOCAL BUILDING CODES AND OBTAIN ANY NECESSARY PERMITS. YOU MAY ALSO NEED TO CONSULT WITH AN ENGINEER TO ADDRESS YOUR SPECIFIC DESIGN NEEDS.
- CONTACT AN ELECTRICIAN TO ASSESS YOUR ELECTRICAL NEEDS, INSTALL WIRING, AND ENSURE A SAFE OPERATION.
- POSITION YOUR HOT TUB WITH PROPER ACCESS TO WATER, DRAINAGE, AND ELECTRICITY.
- PLACE YOUR HOT TUB ON A UNIFORM SOLID, FLAT SURFACE DESIGNED TO PROPERLY SUPPORT ITS WEIGHT. FOR EXTERNAL INSTALLATIONS, A 4 INCH (10 CM) CEMENT PAD SUFFICES.
- FOR INTERNAL INSTALLATIONS, CHECK THE LOAD-CARRYING CAPABILITIES OF THE FLOOR ON WHICH THE HOT TUB WILL RESIDE. MOST HOMES MEET THE REQUIREMENT OF 80 LBS PER SQUARE FOOT.
- INSURE THAT YOUR HOT TUB WILL FIT INTO THE SPACE YOU HAVE CHOSEN AND THE DELIVERY ROUTE WILL ACCOMMODATE ITS LARGE SIZE.
- PROVIDE ADEQUATE VENTILATION FOR THE HUMIDITY CREATED BY A HOT TUB. IN MOST CASES, A HOT TUB HARDCOVER IS SUFFICIENT.
- PROTECT THE PUMP AND ALL EQUIPMENT FROM THE WEATHER BY ENSURING THE CABINET PANELS ARE SECURE AT ALL TIMES.
- ALLOW 36 INCHES (1 METER) OF UNOBSTRUCTED ACCESS TO ALL SIDES OF YOUR HOT TUB FOR SERVICING.