

# IMPORTANT SAFETY INSTRUCTIONS

## *Read and follow all instructions carefully*

**WARNING:** To avoid injury, do not permit children to use or access to your hot tub unless closely supervised by an adult.

**WARNING:** A grounding (bonding) wire connector is provided on this unit for connecting a minimum No. 6 AWG solid copper conductor between this unit and any metal surface, equipment, enclosure, metal pipes or conduit within 10 feet (3 m) of the unit.

**WARNING:** To Reduce the Risk of Injury:

1. Water in hot tubs should never exceed 104°F (40°C). Temperatures between 100°F (38°C) and 104 F (40°C) are considered safe for healthy adults. Lower temperatures are recommended for children. Usage time for these temperatures is 10 minutes.
2. Pregnant women should consult a physician before using a hot tub.
3. Before using your hot tub, the water temperature should be measured with an accurate thermometer.
4. Medications, alcohol or drugs should not be used before or during hot tub use as they can lead to unconsciousness with the possibility of drowning.
5. A physician should be consulted before using a hot tub if a medical history of heart disease, low or high blood pressure, circulatory system problems, diabetes or if suffering from obesity.
6. Any person using medications should consult a physician before using a hot tub. Some medications may induce drowsiness. Other medications may affect heart rate, blood pressure and circulation.

**WARNING:** Risk of Accidental Drowning. Extreme caution must be exercised to prevent unauthorized access by children. To avoid injuries, ensure that children cannot use this tub unless closely supervised by an adult.

**WARNING:** Risk of injury. Do not use hot tub unless all suction guards are installed to prevent body and hair entrapment. Never operate the hot tub if the suction fittings are broken, cracked or missing. If the suction fittings ever need replacing, only replace with fittings that have the correct flow rate which are marked on the original suction fitting.

### RISK OF ELECTRIC SHOCK


**WARNING:** Install at least 10 feet (3 m) from all metal surfaces. As an alternative, the hot tub may be installed within 10 feet (3 m) of metal surfaces if each metal surface is permanently connected by a minimum No. 6 AWG solid copper conductor to the bonding wire connector on the power pack that is provided for this purpose. (SEE YOUR LOCAL CODE FOR BONDING REQUIREMENTS).

**WARNING:** Do not permit any electric appliances such as a telephone, light, radio or television within 10 feet (3 m) of your hot tub.

### SAVE THESE INSTRUCTIONS.

**WARNING:** Power supply installation must include a properly rated GFCI circuit breaker. The circuit breaker must be on a dedicated line. It must be easily accessed and labeled correctly.

**IMPORTANT (cETL) SAFETY INSTRUCTIONS (Canada Only)**  
When using this electrical equipment, basic safety precautions should always be followed, including the following.  
**READ AND FOLLOW ALL INSTRUCTIONS TO REDUCE THE RISK OF ELECTRIC SHOCK:**

1. A green colored terminal or a terminal marked  (G, Gr, Ground) or the symbol is located inside the supply terminal box or compartment. This terminal must be connected to the grounding means provided in the electrical supply service panel with a continuous copper wire equivalent in size to the circuit conductors that supply this equipment.
2. At least two lugs marked "Bonding Lugs" are provided on the external surface or on the inside of the supply terminal box/compartment. Connect the local common bonding grid in the area of the hot tub to these terminals with an insulated or bare copper conductor not smaller than No. 6 AWG.
3. All field-installed metal components such as ladders, rails, drains or other similar hardware within 10 feet (3m) of the hot tub shall be bonded to the equipment grounding buss with copper conductors not smaller than No. 6 AWG.

### SAVE THESE INSTRUCTIONS.

**WARNING:** Children should not use hot tub without adult supervision.

**WARNING:** Do not use hot tubs unless all suction guards are installed to prevent body and hair entrapment.

**WARNING:** People with infectious diseases should not use a hot tub.

**WARNING:** To avoid injury, exercise care when entering or exiting the hot tub.

**WARNING:** Do not use alcohol or drugs before or during the use of a hot tub to avoid unconsciousness and possible drowning.

**WARNING:** Pregnant or possibly pregnant women should consult a physician before using a hot tub.

**WARNING:** Water temperature in excess of 40°C (104°F) may be injurious to your health.

**WARNING:** Before entering the hot tub, measure the water temperature with an accurate thermometer.

**WARNING:** Do not use a hot tub immediately following strenuous exercise.

**WARNING:** Prolonged immersion in a hot tub may be injurious to your health.

# IMPORTANT SAFETY INSTRUCTIONS continued

## SAVE THESE INSTRUCTIONS.

**WARNING:** Do not permit electric appliances such as (lights, telephone, radio, television, etc.) within 10 feet (3m) of this tub unless such appliances are built-in by manufacturer.

**CAUTION:** Maintain water chemistry in accordance with manufacturer's instructions.

**WARNING:** The use of alcohol or drugs can greatly increase the risk of fatal hyperthermia in hot tubs.

## SAVE THESE INSTRUCTIONS.

### HYPERTHERMIA

Prolonged immersion in hot water may induce hyper-thermia. A description of the causes, symptoms and effects of hyperthermia are as follows:

Hyperthermia occurs when the internal temperature of the body reaches a level several degrees above the normal body temperature of 98.6°F (37°C). The symptoms of hyper-thermia include drowsiness, lethargy, and an increase in the internal temperature of the body. The effects of hyper-thermia are:

1. Unawareness of impending hazard
2. Failure to perceive heat
3. Failure to recognize the need to exit hot tub
4. Physical inability to exit hot tub
5. Fetal damage to pregnant women
6. Unconsciousness and danger of drowning

### ADDITIONAL CAUTIONS:

1. A physician should be consulted BEFORE using a hot tub if persons are suffering from heart disease, high or low blood pressure or any condition requiring medical treatment such as pregnant women, the elderly or infants.
2. Hot tub water temperature should not exceed 104°F (40°C). Temperatures in excess of 104°F (40°C) can be hazardous to your health.
3. Reasonable time limits using a hot tub should be observed. Long exposures at higher temperatures can cause body temperature to rise and may cause dizziness, fainting, reduced awareness, drowsiness. The effects from these symptoms could possibly result in drowning.
4. Do not use hot tub under the influence of drugs or alcohol.
5. Before entering the hot tub, always test the water temperature.
6. Wet surfaces can be slippery. Enter and exit hot tub slowly with caution.
7. NEVER operate any electric appliances from inside the hot tub.
8. To maintain safe water and to prevent possible damage to hot tub equipment, a proper water balance of chemicals is necessary.
9. Hot tub covers are equipped with clip tie-downs or snap locks. There is no representation that the cover clip tie-downs or actual locks will prevent access to the hot tub. Cover locks are to discourage unsupervised children from entering the hot tub and to secure tub cover in high-wind conditions.

## SAVE THESE INSTRUCTIONS.

# PROPER PLACEMENT OF YOUR HOT TUB

It is extremely important that the base on which the hot tub is placed is smooth, level, and can uniformly support the complete weight without settling or shifting. If these requirements are not met, possible damage to your cabinet or tub shell may result. Damage caused by improper support is not covered under warranty. It is the responsibility of the hot tub owner to meet these requirements and to assure the integrity of the hot tub support at all times.

We recommend a reinforced poured concrete slab that has a minimum thickness of 4 inches (10cm).

If a wood deck is used, construction must comply with all local building codes.

Proper drainage around the hot tub is necessary to allow overflow, rain and other casual water to drain away from the hot tub so the equipment area does not get flooded and cause problems. Failure to do so will void warranty.

# ELECTRICAL INSTALLATION INSTRUCTIONS

Important Notice: The electrical installation of this tub must meet the requirements of all applicable country, state and local codes. The electrical installation must be performed by a qualified electrician and be approved by the local building/electrical inspection authority.

## 230V/240V Service

1. NO PLUG-IN CONNECTIONS OR EXTENSION CORDS ARE TO BE USED IN CONJUNCTION WITH THE OPERATION OF THIS TUB. All wiring must be permanently connected (hard wired) to the equipment pack. Power supply that is not in accordance with these instructions will void warranty.
2. This tub requires that the power supply be on a dedicated circuit with no other electrical appliances or lights sharing the circuit that is providing power to the hot tub.
3. Do not use aluminum wiring. ALL WIRING MUST BE COPPER.
4. A suitable ground fault circuit interrupter (GFCI) as required by

the local building/electrical inspection authority, must be included in the electrical circuit supplied to the hot tub.

5. Proper wire size must be used in accordance to the local building/electrical inspection authority.
6. All wires must be securely hooked up or damage could result. TIGHTEN SECURELY!

## 120V Service

1. This tub requires that the power supply be on a dedicated circuit with no other electrical appliances or lights sharing the circuit that is providing power to the hot tub.
2. Do not use aluminum wiring. ALL WIRING MUST BE COPPER.
3. A suitable ground fault circuit interrupter (GFCI) as required by the local building/electrical inspection authority, must be included in the electrical circuit supplied to the hot tub.
4. Proper wire size must be used in accordance by the local building/electrical inspection authority.

## Pin Jumpers

### Convertible Tubs (Americas Only – Sport, Insider, Crown II, Warrior XL and Escape)

To convert the Hot Tub from 120 volt to 240 volt, please move jumper 1 from Position 2 into Position 1 (HC Mode). Jumper 1 on the PC Board is used to limit the current draw when connected to 120 volts.

#### Position 1 (HC Mode):

The system allows the heater to turn on when the pump is on high speed.

**Position 2 (LC Mode) – Mandatory for 120 volt systems:** The system will not turn the heater on when the pump is on high

speed. The "Heater On" indicator will flash on the display to show there is a call for heat, but that the heater is not allowed to start.

See picture below for locating jumpers.

**NOTE: The Rendezvous, Escape Premium, Crown and Crown XL are 240 volts only and can not be converted to 120 volts.**

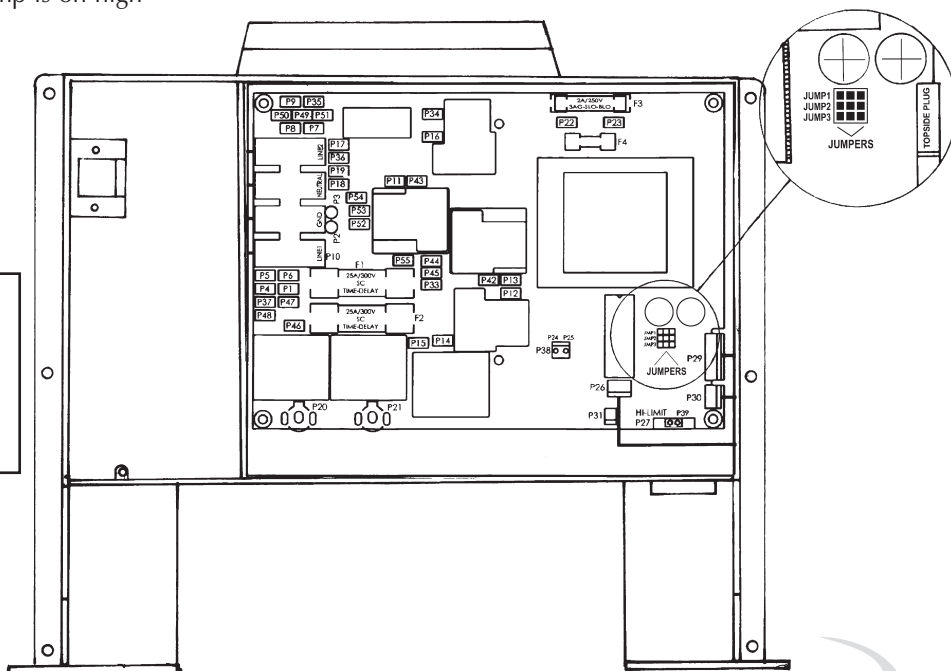
**Impulse tubs are 120 volt only and cannot be converted to 240 volts.**

**All European (CE) tubs are 230 volt only and the above does not apply.**

Move Top Pin Jumper Only when converting from 120v to 240v.

### JUMPER SETTINGS

JUMP1		– HC MODE		– MODE
JUMP2		– °F UNITS		– UNITS
JUMP3		– SINGLE PUMP		– AL PUMP



# POWER REQUIREMENTS

Your Hot Tub is designed to provide optimum performance when connected to the maximum electrical service. The listing below will show the various options and performance levels available on your hot tub.

**A new GFCI must be used for your Hot Tub installation. Do not use an existing breaker (GFCI), as its condition is unknown.**

	Escape, Escape R Sport, Crown II, Warrior XL	Bella, Impulse, Impulse DP	Escape Premium, CrownXL, Rendezvous Royal
<b>AMERICAS</b> 60Hz	120v/240v	120v	240v
Circuit Breaker	20A/50A	15A	50A
Number of Wires	3/4	3	4

	Escape, Sport, Crown II, Impulse, CrownXL	Escape Premium, Rendezvous Royal
<b>EUROPE</b> 50Hz	230v	230v
Circuit Breaker	16A	32A
Number of Wires	3	3

**On all systems, your Hot Tub must be connected to a dedicated circuit breaker that is not shared with any other equipment.**

**DO NOT USE EXTENSION CORDS OF ANY KIND.**

# START-UP INSTRUCTIONS

- Clean tub of all debris.
- Use a garden hose to fill your hot tub through the empty filter canister (to avoid air pockets during filling) to the appropriate level of a minimum 2 inches (5.08cm) over the filter skimmer.
- DO NOT USE WATER THROUGH A WATER SOFTNER.**
- Locate the shut-off T-valves. Make sure they are in the up or open position. (See page 8)
- Check heater and pump unions. Occasionally during shipping these become loosened. A simple tightening of these (if necessary) will do, being careful not to over tighten. (See page 8)
- Once water has reached correct level, turn power on to the hot tub.
- To activate jets and to purge air from the pump, press/push jet button located on the top side control. A second press/push will put the pump on high speed. Repeat this process until water flows from the jets. When the jets are working, set the pump to low speed. (See page 25)
- Some start-up chemicals will be needed; please see your dealer for recommendations.
- Set the temperature located on the top side control (See page 24) to the desired setting. The heater will shut off when the water temperature reaches the set temperature.
- Place the hot tub cover on tub. Keeping the cover on the hot tub when the tub is not in use will help minimize operating costs.
- The time it will take for the water temperature to reach the desired setting will vary.

# OPERATING INSTRUCTIONS

## Whirlpool Diverter Jet(s):

Your hot tub is equipped with at least one Whirlpool Diverter jet (2, 3, or 4 position). These jets when turned will divert water to different groups of jets. Each position is reached with a 90 degree turn of the whirlpool jet face. Always turn the collar of the diverter jet clockwise when possible. Remember, turning your diverter will affect the flow of water to different seat jets. Adjust to suit your personal needs.

## Topside Control Pad:

Your hot tub is equipped with an electronic topside control pad. The topside control pad will allow you to control the speed of the pump, the light, and the temperature setting, as well as some programming options. Familiarize yourself with the topside control by viewing the Quick Reference Card (QRC) supplied with your manual.

## Air Control(s):

Your hot tub has at least one air control. This air control allows air to mix with the water that streams out of your jets. Each air control is responsible for a section of jets or a whirlpool diverter jet. The air controls are marked "MIN" and "MAX" (minimum and maximum) in order for the air control to have any effect the jet(s) that it controls must be on and have water flow.

## Deluxe L.E.D. Lighting System:

This L.E.D. Lighting System consists of individual light nodes that are in coordination with the L.E.D. light housed in the light lens within the vessel of the spa. The light varies in color and function by pressing the light button. To turn on the system simply press the light button once. To turn it off, repress the light button. To change the color or light function just press the light button once, press it one more time to shut it off and then after 3-5 seconds press it one more time. To turn it off, press it once more.

# PERMASHELL® , FILTER, COVER & CABINET CARE MAINTENANCE

## Western Red Cedar

As with any wood product, maintaining the "new" look requires a consistent schedule of treating your cabinet with a quality CEDAR sealing product.

## Permawood® – Cape Cod Grey, Teak, Pecan

Maintenance for Permawood® is to use mild soap and water. Some strong household cleaners/solvents can cause damage/fading to the surface of the cabinet. All cleaners should be tested on an out-of-the-way section of cabinet before cleaning.

# PERMASHELL® continued

## PermaShell®

PermaShell® cleans very easy because of its durable poly material. A spray cleaner that is low in "suds" and is applied then wiped off will most of the time be sufficient. With stubborn stains or marks, a "soft" scrub cleaner with very low abrasion (elements) will help when used with a non-abrasive cleaning pad.

## Cover or Hot Tub Lid

See manufacturer's warranty and maintenance procedures. **When using a spa or hot tub "shock" water treatment, the cover must be removed for 30 minutes. Failure to remove cover may cause damage to cover.**

## Filters

Periodic filter maintenance is required in order to maintain proper hot tub water quality and performance of equipment supplied with this hot tub. The manufacturer recommends cleaning your filters with high pressure water flow once a week. Once a month it is recommended that filters be soaked in a quality filter cleaning solution before high pressure spraying of the filter cartridge is applied. **It is important to follow all chemical manufacturers instructions.**

**The use of any spa sanitizer with the exception of dichlor chlorine will negate your warranty.**

# WINTERIZING YOUR HOT TUB

**While we feel that some of the best times to use your spa can be during the colder months,** we understand that there can be a need for some owners to close their tubs during the winter months.

We feel that winterization should be left to the professionals, but if done carefully using the following instructions your risk of damage from freezing can be minimized. Please note, we do not warrant against freezing damage in a tub that has been winterized, either by the owner or by a professional service center.

## THINGS THAT WILL BE NEEDED:

- 2 gallons of NON-TOXIC (R-V type) antifreeze
- a strong wet/dry vacuum (shop vac)
- a turkey-baster
- 1 or 2 light plastic bowls approximately 5" diameter
- TIME approx. 2 hours

## INSTRUCTIONS:

1. Drain your tub.
2. With the wet-vac vacuum out any water remaining in the foot-well. Then with each jet in the open position, vacuum each jet nozzle until no more water comes out. **DO NOT FORGET** the small ozone jet in the foot-well.
3. With the vacuum over the whirlpool jet nozzle(s) and plastic bowls over the suction covers in the footwell, change it to each diverter position until there is no more water being drawn out.
4. Remove your filter, clean it and place in storage until you restart your tub. Pour NON-TOXIC antifreeze into the filter canister until it runs out into the foot-well of your tub through the suction covers.
5. With the turkey-baster, squirt a small amount of NON-TOXIC antifreeze into each jet. Usually the side jets will take around one ounce, and the whirlpool jet(s) will take several ounces (about 5 squirts per whirlpool jet). **DO NOT FORGET** the small ozone jet that is located in the foot-well of your tub.
6. Place the cover on the tub, and place a tarp over the tub and cover. Making sure to securely tie down the tarp. The tarp will help reduce the amount of weather your tub is exposed to.

## A COUPLE THINGS YOU SHOULD BE AWARE OF.

When a tub is drained and left empty, o-rings and pump seals can dry out and lose their ability to seal properly. You should closely inspect for small leaks in the equipment area when you do your re-start. If you are unsure of the location of the o-rings and pump seal, contact your dealer for help. If replaced early the damage caused by these failures can be inexpensive to fix.

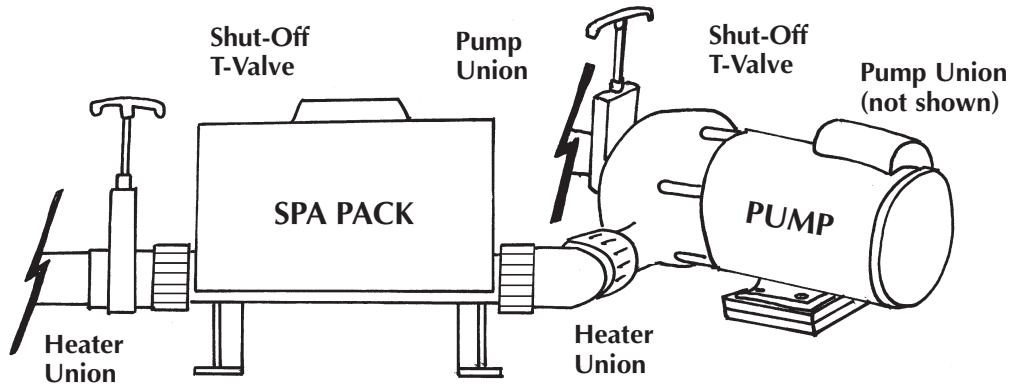
## RE-START UP:

When restarting your tub, you will want to fill the tub and run all of the jets on high speed for 10-15 minutes. This will help flush the residue of the antifreeze out of the plumbing. Then drain the tub, clean the sides with an approved cleaner, place your filter back into the filter canister, re-fill your tub and balance your chemicals.

You may notice slightly more foaming than normal when you first start using your tub, this can be reduced with anti-foaming agents and generally gets better over the first week or two of usage as the filter removes the anti-freeze and organic residue left behind after rinsing and cleaning.

Make sure you check your filter at least once per week and rinse it out as needed for the first few weeks. You may also find it necessary to soak your filter in a filter cleaner after a few days, depending on the level of contaminant left in the tub after the re-start.

**SPORT, CROWN XL, CROWN II, WARRIOR XL, ESCAPE & ESCAPE RECLINER**



# COMMON EQUIPMENT PROBLEMS AND SOLUTIONS

## Symptoms

## Solutions

- |   |   |
|---|---|
| 1. No jet action (air lock) and three blinking lights (under temp. readout) | Shut-off T-valves must be in the up position.<br>Loosen pump/motor unions to allow air out. |
| 2. No heat and three blinking lights (under temp. readout)                  | Clean filter.   |
| 3. GFCI keeps tripping  | New install: incorrect GFCI wiring.   |
| 4. Water in equipment area  | Check: drain cap, equipment pump/motor unions, pump drain plug.                             |
| 5. Only a portion of the jets work  | Check that individual jets are open. Turn whirlpool diverter jet(s).                        |

\* Note: If problem persists after performing the suggested solutions, contact your Dealer to assist in resolving the problem. Any other problems not listed above, contact your Dealer.

# COMMON WATER PROBLEMS AND SOLUTIONS

Problem	Cause	Solution
<b>Calcium Deposits on Shell Surface</b>	Hard water. pH, total alkalinity not in balance.	Clean with a non-abrasive Hot Tub surface cleaner. Test water, adjust pH as needed. Add a stain and scale control chemical.
<b>Cloudy Water</b>	pH, total alkalinity not in balance. Damaged or dirty filter. Addition of incompatible chemicals. Low chlorine level. Buildup of oils, soap, foreign matter.	Add a water clarifier. Circulate for a minimum of 30 minutes. After water has cleared, clean filter cartridge with a filter cleaner or replace if necessary. Test chlorine and pH levels, adjust if necessary. Change water.
<b>Colored Water</b>	Copper or iron metals in Hot Tub due to water supply or corrosion of heater. Total alkalinity, pH are low.	Add an iron/stain and scale remover. Test pH, adjust if necessary.
<b>Eye and Skin Irritation</b>	pH, total alkalinity not in balance. Inadequate chlorine level. Addition of incompatible chemicals.	Test pH and chlorine levels, adjust if necessary.
<b>Excessive Foam</b>	pH, total alkalinity not in balance Low calcium hardness. Inadequate oxidation. Addition of incompatible chemicals. Buildup of body oils and/or contaminants.	Add an anti-foam agent. Add shock. Adjust chlorine level. Test pH, adjust if necessary. Take water sample to dealer to check total alkalinity and calcium hardness. Change water.
<b>Odor</b>	Inadequate ventilation. Addition of incompatible chemicals. Insufficient oxidation. Inadequate cleaning of cover. Low pH. Chemical overdose.	Test pH and chlorine levels, adjust if necessary. Clean with non-abrasive Hot Tub surface cleaner. Clean the underside of the cover with a cover cleaner or mild soap and warm water.
<b>Waterline Deposits &amp; Staining</b>	Buildup of body oils, impurities. Use of clarifying agents with ozone. Hard water (minerals in water)	Test pH and chlorine levels, adjust if necessary. Clean with a non-abrasive Hot Tub surface cleaner. Add a scale/stain control chemical. Take water sample to your dealer.

## HOT TUB COMPONENTS

### Top Side Control Pads

Your Hot Tub has a top side control pad located on the top of the hot tub. The control pad is a finger touch soft button function panel. See **Reference Card** for operating instructions.

## COMPONENTI DELLA VASCA DROMASSAGGIO

### Pannello Di Comando

La vostra Vasca è munita di un pannello di controllo situato sulla parte superiore della Vasca. Vedere le istruzioni per le spiegazioni d'utilizzo.

## COMPOSANTES DE LA CUVE DE RELAXATION

### Panneau de contrôle

Votre cuve de relaxation est munie d'un panneau de contrôle situé sur le dessus de la cuve. Ce panneau est un panneau à fonctions poussoir. Voir la carte de référence pour les consignes d'utilisations.



1 Pump – Top Side Control Pad

Pannello di controllo – 1 pompa

1 Pompe – Panneau de contrôle



1 Pump – Top Side Control Pad (Large)

1 Pompa - Superiore Laterale Controllo Rilievo (Gran)

1 Pompe - Garniture Latérale Supérieure de Commande (Grande)



2 Pump – Top Side Control Pad

Pannello di controllo – 2 pompa

2 Pompes – Panneau de contrôle

# COMPONENTS

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# COMPONENTI

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# COMPOSANTES

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## Air-Controls

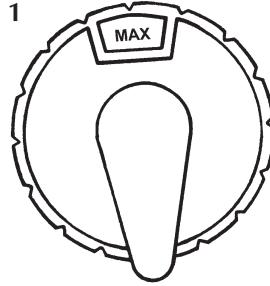
These introduce air into the jet water flow for increased therapy power.

## Comandi d'Aria

Questi comandi lasciano entrare l'aria nella corrente d'acqua al fine di aumentare la potenza terapeutica.

## Commandes d'air

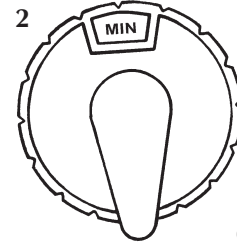
Ces commandes laissent entrer l'air dans le courant d'eau afin d'en augmenter la puissance th rapeutique.



1" Slimline Air Control

Comando d'aria dim. 1 pollice

Commande   air 1 pouce « Slimline



1/2" Slimline Air Control

Comando d'aria dim. 1/2 pollice

Commande   air 1/2 pouce « Slimline

## Turbo/Whirlpool Diverter Jets

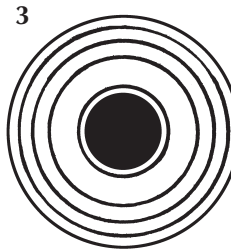
These jets provide high volume water flow for "real whirlpool therapy".

## Getti di Deviazione del Turbo Line

Questi getti forniscono un flusso d'acqua elevato per avere l'effetto reale di un turbine terapeutico.

## Jets de d viation de tourbillon

Ces jets fournissent un courant d'eau  lev  pour avoir l'effet r el de tourbillon th rapeutique.



Available as 2, 3 or 4 Position Diverter (Models: All)

Disponibile in posizione 2, 3 o 4 (Modelli: tutti)

Disponible en position 2, 3 ou 4 (Mod les : tous)

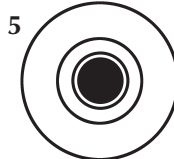
## Adjustable Jets

## Getti Regolabili

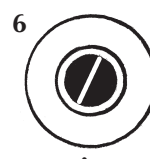
## Jets ajustables



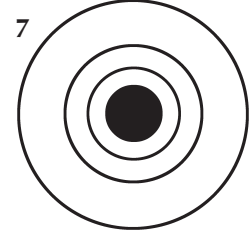
4 Micro VSR Whirly



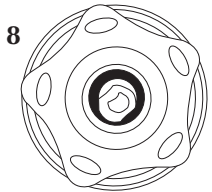
5 Micro VSR Directional



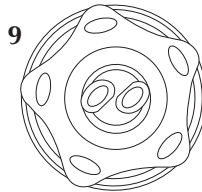
6 Micro Blaster



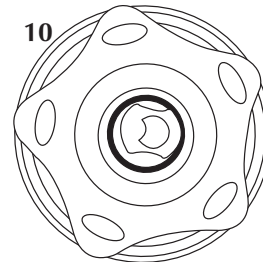
7 Large VSR



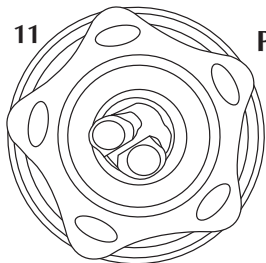
8 Mini Storm Roto



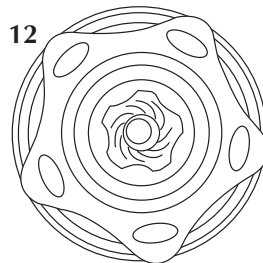
9 Mini Storm Twin Roto



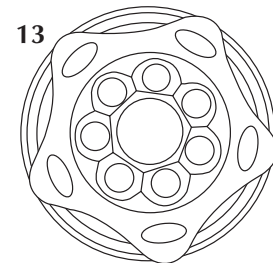
10 Poly Storm Roto Foot



11 Power Storm Twin Roto



12 Power Storm Directional



13 Power Storm Massage

## Non-Adjustable Jets and Suction Covers

Getti non regolabili e coperomi dewe grighe d'aspirazione

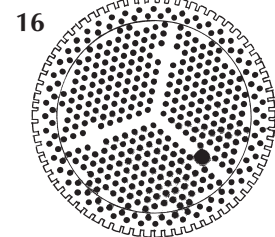
Jets non ajustables et couvercles de grilles de prises d'aspiration



14 Duo Directional



15 Ozone Jet



16 High Volume Suction Cover

# Crown XL

Diameter:

84" / 213.4cm

Depth:

40" / 101.6cm

Dry Weight:

approx. 400lbs. /  
238kg

Capacity:

approx. 425 Gal. /  
1608 L

Total Jets: 30

Volts:

240v  
(230 Europe)

Top Whirlpool Jet: 4  
Position

Lower Whirlpool Jet: 2  
Position

Diametro :

213.4 cm / 84"

Profondità :

101.6 cm / 40"

Peso a vuoto :

circa kg 238

Capacità :

1608 L circa

Totale getti : 30

Volts :

120v / 240v  
(230 Europa)

Jet tourbillon du haut :  
4 Posizione

Jet tourbillon du bas :  
2 Posizione

Diamètre :

213.4 cm / 84"

Profondeur :

101.6 cm / 40"

Poids à sec :

approx. 238 kg

Capacité :

1608 Litres approx.

Jets complet : 30

Volts :

120v / 240v  
(230 Europe)

Jet tourbillon du haut :  
4 Positions

Jet tourbillon du bas :  
2 Positions

