Aquatic Fitness System (AFS)

OWNER'S GUIDE

Fitness + Fun

DIMENSION ONE SPAS

A Higher Degree of Indulgence.

Your Product Information

Please gather the following important information about your Dimension One Aquatic Fitness System. Register your product online at www.D1.com. By registering your product online, you will confirm your warranty, protect your product, and help us develop new and better products.

My Aquatic Fitness System

Model Name: _____

Serial Number: _____

Date Purchased: _____

Date Installed: _____

Gallons/Liters: _____

Notes: _____

_____

_____

Dealer Information:

Dealer's Name: _____

Address: _____

City: _____

State, Zip: _____

Telephone: _____

Fax: _____

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IMPORTANT SAFETY INSTRUCTIONS
READ AND FOLLOW ALL INSTRUCTIONS CAREFULLY

When installing and using this equipment, basic safety precautions should always be followed, including:

- **Risk of Accidental Drowning.** Extreme caution must be exercised to prevent unauthorized access by children. To avoid accidents, ensure that children cannot use or approach the Aquatic Fitness System unless they are supervised at all times.

- **Risk of Serious Injury or Death.** The suction fittings in this Aquatic Fitness System are sized to 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 Aquatic Fitness System if the suction fittings are broken or missing. Never replace a suction fitting with one rated less than the flow rate marked on the original suction fitting.

- **Risk of Electric Shock.** Install at least 5 FEET (1.5 m), from all metal surfaces. As an alternative, the Aquatic Fitness System may be installed within 5 feet of metal surfaces if each metal surface is permanently connected by a minimum No. 8 AWG (8.4 mm^2) solid copper conductor attached to the wire connector on the grounding lug, inside the equipment compartment on the equipment can.

- **Risk of Electric Shock.** Do not permit any electrical appliance, such as a light, telephone, radio, television, etc. within 5 feet (1.5 m) of the Aquatic Fitness System. Never operate any electrical appliances from inside the Aquatic Fitness System or when you are wet.

- **Danger.** The electrical supply for this Aquatic Fitness System must include a suitably rated switch or circuit breaker to open all ungrounded supply conductors to comply with section 680-42 of the National Electrical Code, ANSI/NFPA 70-1993. The disconnect must be readily accessible and visible to the Aquatic Fitness System occupant but installed at least 5 feet (1.5 m), from the Aquatic Fitness System water.

- **Danger.** A grounding wire connector is provided on this Aquatic Fitness System to connect a minimum No. 8 AWG (8.4 mm^2) solid copper conductor between this unit and any metal equipment, metal enclosures of electrical equipment, metal water pipe, or conduit within 5 feet (1.5 m) of the Aquatic Fitness System.

- **Risk of Electric Shock**. Do not attempt to remove the light housing cover without lowering the water level below the light housing cover.

- **To Reduce the Risk of Injury:** The water in the Aquatic Fitness System should never exceed 104° F (40° C). Water temperatures between 100° F (38° C) and 104° F (40° C) are considered safe for a healthy adult. Lower water temperatures are recommended for young children and when Aquatic Fitness System use exceeds 10 minutes.

- **To Reduce the Risk of Injury:** 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 Aquatic Fitness System water temperatures to 100° F (38° C).

- **To Reduce the Risk of Injury:** Before entering the Aquatic Fitness System, the user should measure the water temperature with an accurate thermometer since the tolerance of water temperature-regulating devices may vary as much as +/- 5° F (2° C).

- **To Reduce the Risk of Injury:** The use of alcohol, drugs, or medication before or during Aquatic Fitness System use may lead to unconsciousness with the possibility of drowning.

- **To Reduce the Risk of Injury:** Pregnant women, the elderly, infants, or persons suffering from obesity or with a medical history of heart disease, low or high blood pressure, circulatory system problems, or diabetes, should consult a physician before using the Aquatic Fitness System. Pregnant or possibly pregnant women should not enter water warmer than 100° F (38° C).

- **To Reduce the Risk of Injury:** Persons using medication should consult a physician before using the Aquatic Fitness System since some medication may induce drowsiness, while other medication may affect heart rate, blood pressure, and circulation.

Observe a reasonable time limit when using the Aquatic Fitness System. Long exposures at high temperatures can cause high body temperature. Symptoms may include dizziness, nausea, fainting, drowsiness, and reduced awareness. These effects could result in possible drowning.

- Enter and exit the Aquatic Fitness System slowly. Wet surfaces can be very slippery.

- Proper chemical maintenance of Aquatic Fitness System water is necessary to maintain safe water and prevent possible damage to Aquatic Fitness System components.

- Use the cover straps and clip tie downs to secure the cover when not in use. This will help to discourage unsupervised children from entering the spa and keep the spa cover secure in high wind conditions. There is no guarantee that the cover, clip tie downs, actual locks will prevent access to the Aquatic Fitness System.

SAVE THESE INSTRUCTIONS

IMPORTANT SAFETY INSTRUCTIONS (CANADA) (CSA SAFETY INFORMATION)

In addition to the preceding safety instructions, Canadian owners should read and understand the following information from the Canadian Safety Association:

READ AND FOLLOW ALL INSTRUCTIONS CAREFULLY

- A green colored terminal or a terminal marked G, GR, Ground, Grounding, or the symbol * is located inside the supply terminal box or compartment. To reduce the risk of electric shock, this terminal must be connected to the grounding means provided in the electric supply service panel with a continuous copper wire equivalent in size to the circuit conductors supplying this equipment.
  - IEC Publication 417, Symbol 5019.
- At least two lugs marked "BONDING LUGS" are provided on the external surface or on the inside of the supply terminal box/compartment. To reduce the risk of electric shock, connect the local common bonding grid in the area of the hot tub or Aquatic Fitness System to these terminals with an insulated or bare copper conductor not smaller than No. 6 AWG.
- All field-installed metal components such as rails, ladders, drains or other similar hardware within 3 meters of the Aquatic Fitness System or hot tub shall be bonded to the equipment grounding bus with copper conductors not smaller than No. 6 AWG.
- Children should not use Aquatic Fitness Systems or hot tubs without adult supervision.
- **AVERTISSEMENT:** NE PAS LAISSER LES ENFANTS UTILISER UNE CUVE DE RELAXATION SANS SURVEILLANCE.
- Do not use Aquatic Fitness Systems or hot tubs unless all suction guards are installed to prevent body and hair entrapment.
- **AVERTISSEMENT:** POUR ÉVITER QUE LES CHEVEUX OU UNE PARTIE DU CORPS PUISSENT TRE ASPIRÉS, NE PAS UTILISER UNE CUVE DE RELAXATION SI LES GRILLES DE PRISE D'ASPIRATION NE SONT PAS TOUTES EN PLACE.
- People using medications and/or having adverse medical history should consult a physician before using an Aquatic Fitness System or hot tub.
- **AVERTISSEMENT:** LES PERSONNES QUI PRENNENT DES MÉDICAMENTS OU ONT DES PROBLÈMES DE SANTÉ DEVRAIENT CONSULTER UN MÉDECIN AVANT D'UTILISER USE CUVE DE RELAXATION.
- People with infectious diseases should not use an Aquatic Fitness System or hot tub.
- **AVERTISSEMENT:** LES PERSONNES ATTEINTES DE MALADIES INFECTIEUSES NE DEVRAIENT PAS UTILISER UNE CUVE DE RELAXATION.
- To avoid injury, exercise care when entering or exiting the Aquatic Fitness System or hot tub.
- **AVERTISSEMENT:** POUR ÉVITER DES BLESSURES, USER DE PRUDENCE EN ENTRANT DANS UNE CUVE DE RELAXATION ET E SORTANT.
- Do not use drugs or alcohol before or during the use of the Aquatic Fitness System or hot tub to avoid unconsciousness and possible drowning.
- **AVERTISSEMENT:** POUR ÉVITER L'ÉVANOUISSEMENT ET LA NOYADE EVENTUELLE, NE PRENDRE NI DROGUE NI ALCOOL AVANT D'UTILISER UNE CUVE DE RELAXATION NI QUAND ON S'Y TROUVE.
- Pregnant or possibly pregnant women should consult a physician before using an Aquatic Fitness System or hot tub.
- **AVERTISSEMENT:** LES FEMMES ENCEINTES, QUE LEUR GROSSESSE SOIT CONFIRMÉE OU NON, DEVRAIENT CONSULTER UN MÉDECIN AVANT D'UTILISER UNE CUVE DE RELAXATION.

- Water temperature in excess of 38° C may be injurious to your health.
- **AVERTISSEMENT:** IL PEUT TRE DANGEREUX POUR LA SANTÉ DE SE PLONGER DANS DE L'EAU À PLUS DE 38°C.
- Before entering the Aquatic Fitness System or hot tub, measure the water temperature with an accurate thermometer.
- **AVERTISSEMENT:** AVANT D'UTILISER UNE CUVE DE RELAXATION MESURER LA TEMPÉRATURE DE L'EAU À L'AIDE D'UN THERMOMÈTRE PRÉCIS.
- Do not use an Aquatic Fitness System or hot tub immediately following strenuous exercise.
- **AVERTISSEMENT:** NE PAS UTILISER UNE CUVE DE RELAXATION IMMEDIATEMENT APRÈS UN EXERCICE SATIGANT.
- Prolonged immersion in an Aquatic Fitness System or hot tub may be injurious to your health.
- **AVERTISSEMENT:** L'UTILISATION PROLONGÉE D'UNE CUVE DE RELAXATION PEUT TRE DANGEREUSE POUR LA SANTÉ.
- Do not permit electric appliances (such as a light, telephone, radio, television, etc.) within 1.5m of this Aquatic Fitness System or hot tub.
- **AVERTISSEMENT:** NE PAS PLACER D'APPAREIL ÉLECTRIQUE (LUMINAIRE, TÉLÉPHONE, RADIO, TÉLÉVISEUR, ETC.) À MOINS DE 1.5 M DE CETTE CUVE DE RELAXATION.
- Maintain water chemistry in accordance with manufacturer's instructions.
- **ATTENTION:** LA TENEUR DE L'EAU EN MATIERÈS DISSOUTES DOIT TRE CONFORME AUX DIRECTIVES DU FABRICANT.
- The use of alcohol or drugs can greatly increase the risk of fatal hyperthermia in hot tubs and Aquatic Fitness Systems.
- **AVERTISSEMENT:** LA CONSOMMATION D'ALCOOL OU DE DROGUE AUGMENTE CONSIDÈRABLEMENT LES RISQUES D'HYPERTHERMIE MORTELLE DANS UNE CUVE DE RELAXATION.

SAVE THESE INSTRUCTIONS

Hyperthermia

Prolonged immersion in hot water may induce hyperthermia. 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 hyperthermia include dizziness, drowsiness, lethargy, and fainting. The effects of hyperthermia include:

- Failure to perceive heat,
- Failure to recognize the need to exit the spa,
- Unawareness of impending hazard,
- Fetal damage in pregnant women,
- Physical inability to exit spa,
- Unconsciousness resulting in the danger of drowning.

Safety Do's and Don'ts

Do

- **DO** read all operating instructions.
- **DO** read, understand and follow all Safety, Danger and Warning instructions before use.
- **DO** test water temperature with your hand before entering to be sure that it's comfortable.
- **DO** keep the cover closed when the spa or Aquatic Fitness System is not in use. This is important for safety and for economical operation.
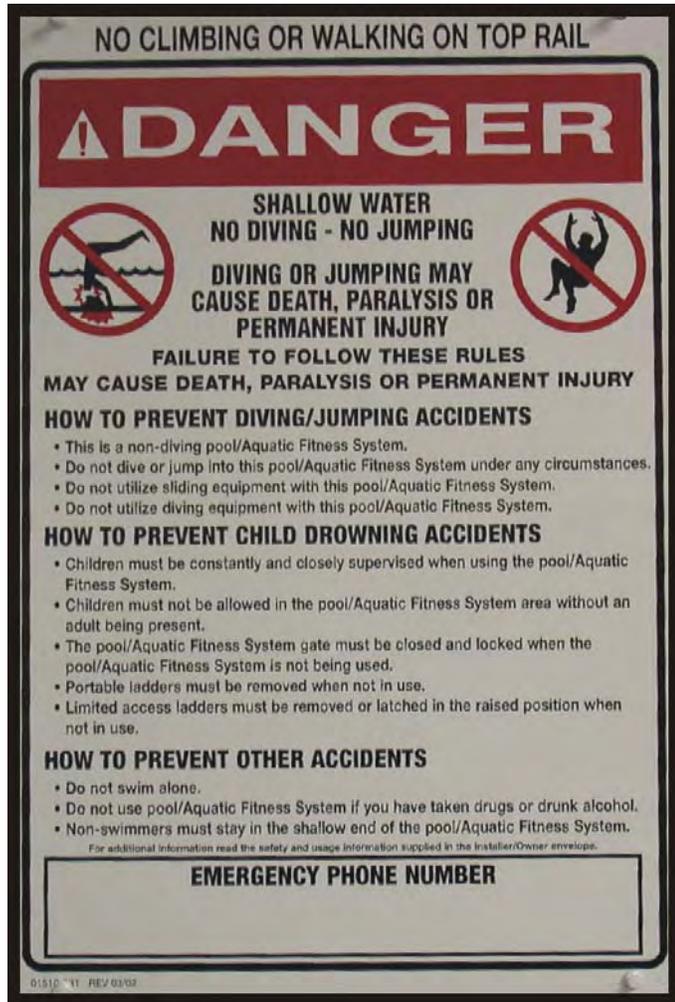
Don't

- **DON'T** block the equipment compartment vents. Blockage may cause damage to the equipment and will void the warranty.
- **DON'T** block or sit on the filter recess area.
- **DON'T** allow horseplay or unsupervised use of your Aquatic Fitness System.
- **DON'T** allow anyone to tamper or play with any of the safety or suction fittings of your spa or Aquatic Fitness System.

DANGER SIGN

Every **Aquatic Fitness System** has been provided with a warning sign, which outlines safety precautions. Read and familiarize yourself with all warnings listed on this sign and install the sign in a conspicuous place accessible to all who use your **Aquatic Fitness System**.
This sign **must** be permanently placed in a location that is visible to the **Aquatic Fitness System** user.   Replacement signs may be obtained from:

Dimension One Spas
2611 Business Park Drive
Vista, CA 92081

Be sure to use your **Serial Number** whenever contacting your dealer or Dimension One Spas Inc. The **Serial Number** can be found on the bottom of the frame, beneath the skirt paneling, directly below the Top Side Control.

NO CLIMBING OR WALKING ON TOP RAIL

⚠ DANGER

**SHALLOW WATER
NO DIVING - NO JUMPING
DIVING OR JUMPING MAY
CAUSE DEATH, PARALYSIS OR
PERMANENT INJURY
FAILURE TO FOLLOW THESE RULES
MAY CAUSE DEATH, PARALYSIS OR PERMANENT INJURY**

HOW TO PREVENT DIVING/JUMPING ACCIDENTS
• This is a non-diving pool/Aquatic Fitness System.
• Do not dive or jump into this pool/Aquatic Fitness System under any circumstances.
• Do not utilize sliding equipment with this pool/Aquatic Fitness System.
• Do not utilize diving equipment with this pool/Aquatic Fitness System.

HOW TO PREVENT CHILD DROWNING ACCIDENTS
• Children must be constantly and closely supervised when using the pool/Aquatic Fitness System.
• Children must not be allowed in the pool/Aquatic Fitness System area without an adult being present.
• The pool/Aquatic Fitness System gate must be closed and locked when the pool/Aquatic Fitness System is not being used.
• Portable ladders must be removed when not in use.
• Limited access ladders must be removed or latched in the raised position when not in use.

HOW TO PREVENT OTHER ACCIDENTS
• Do not swim alone.
• Do not use pool/Aquatic Fitness System if you have taken drugs or drunk alcohol.
• Non-swimmers must stay in the shallow end of the pool/Aquatic Fitness System.
For additional information read the safety and usage information supplied in the Installer/Owner envelope.

EMERGENCY PHONE NUMBER

01510 11 REV 03/02

Aquatic Fitness System Features

Swim Jets

The high-volume swim jets allow you to swim at any pace or to change the dynamics of your **HydroSport**® exercise programs.

HydroTherapy Jets

The adjustable HydroTherapy Jets let you relax and enjoy the pleasures of a spa within your **Aquatic Fitness System**.

HydroSport® Aquatic Fitness Gear

Your **Aquatic Fitness System** can provide a wide range of aquatic exercises using **HydroSport**® Aquatic Fitness Gear, such as the Swim System, Rowing System, HydroSport® Exercise Bars, and the Aquatic Fitness Bar.

Swim System

The Swim System, which is included with your **Aquatic Fitness System**, consists of the Swim Tether, six high-volume Swim Jets, and a Swim Kick Bar. All models also include a marked swim lane to help guide you to an improved swimming experience.

Optional Equipment

The remaining components of the **HydroSport**® Aquatic Fitness Gear are optional equipment designed to expand your aquatic fitness regimen. These items are available through your authorized **Dimension One dealer**.

Swim Jets

AquaFit 16   AquaFit DT 19   AquaPro 19

HydroTherapy Jets

Rowing Seat

The rowing seat accommodates you comfortably while you work with the **HydroSport**® Rowing System.

Swim Tether Mounts

Swim Tether Mounts are located at each end of the **Aquatic Fitness System,** allowing you to work from either end.

Built-in OPTIMounts®

Convenient **OPTIMounts**® provide easy installation of the **HydroSport**® Aquatic Fitness Gear.
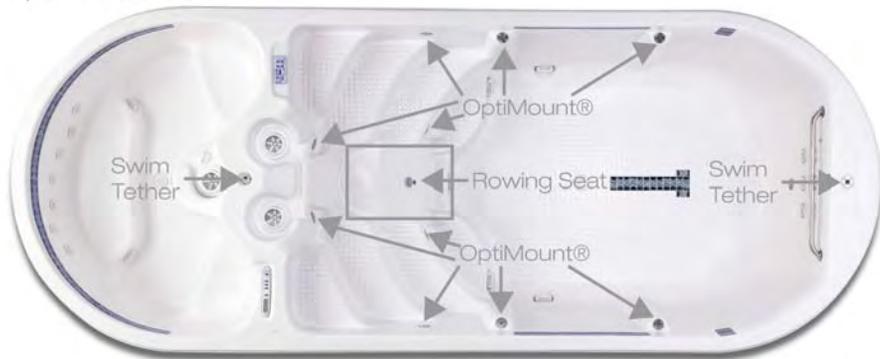
Multiple Training Stations

With the versatile **HydroSport**® Aquatic Fitness Gear, you and your exercise partner can move from station to station for a complete workout.

Details on using the included **HydroSport**® Swim System are in the accompanying **HydroSport**® Owner's Manual.
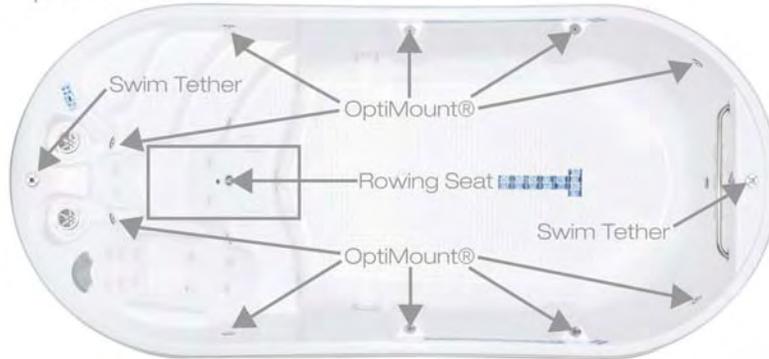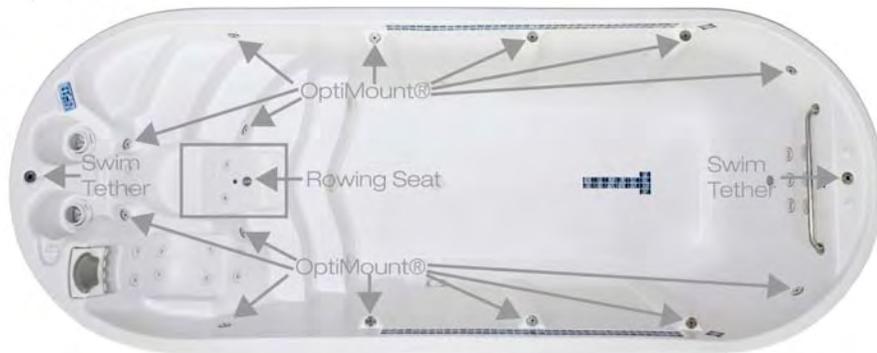
Initial Startup

IMPORTANT: About your GFCI Circuit Breaker — The GFCI (Ground Fault Circuit Interrupter — also called a "circuit breaker") is an electrical safety switch that automatically shuts off power to the Aquatic Fitness System in case of an electrical malfunction. You must have a GFCI installed according to your local building codes in an electrical power box near your system. The GFCI should be OFF before you fill your Aquatic Fitness System with water. You can manually turn off power to the system any time by using the GFCI. Just push the switch to the OFF position. After turning off the GFCI, make sure the control panel display window is blank, so you know the power is off. When you are ready to turn the power back on, you can reset the GFCI by returning the switch to the ON position.

If you have questions about the location or operation of your GFCI, ask your dealer to explain it to you. Do not use your system unless you understand the operation of the GFCI.

1. Locate the equipment compartment, beneath the steps of the swimming pool. Have your dealer familiarize you with the equipment components.

2. Use a Phillips screwdriver to remove the equipment compartment screws, and open the compartment.

3. Check the pump unions (see photo) to be sure they are hand tight to prevent the possibility of leakage.
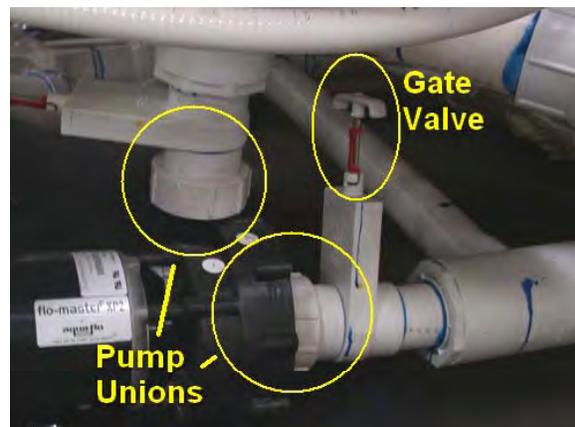
4. Then check to ensure that the gate valves (see photo) near the pumps are in the open position (handles fully extended) and that the red safety clips are snapped into place.

5. Remove the four shipping bolts located on each pump mount, two in front and two in the rear. (See photo showing front bolts).

Two-filter models

Three-filter (Dual Temp)

6. Remove the filter baskets and then remove the foam blocks securing the filters.

7. Remove either of the two filters from the pool side of the system. (If you have the Dual-Temp model with separate built-in spa, also remove the filter from the spa side). Fill the system with water by placing a garden hose in the empty filter canister. . (If you need more details on how to remove the filters, see the Filter Cleaning section later in this manual.)

8. Fill the system until the water level is about six inches below the top edge of the pool or spa.
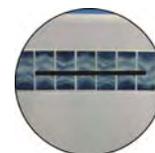
9. Once the system is filled, turn on the GFCI circuit breaker. The Display Window of the Pool will show the current water temperature. (If you have the Dual-Temp model with built-in spa, the spa Display Window will show flashing dashed lines, followed by the current water temperature, flashing. Press any button on the panel to stop the flashing.)

10. Push the **JETS 1 Button** on the pool Control Panel to turn the pump on to high speed. Let the system run for 30 to 45 seconds to prime the pump. Then push the button again to shut the pump off. Repeat the process using the **JETS 2 and Jets 3 Buttons.** (If you have the Dual-Temp model with built-in spa, repeat this procedure with the spa jet pump also.)

If there is no jet action, then there is air trapped in the plumbing lines. To eliminate the trapped air, turn the pumps on and off several times to force the trapped air through the pumps. If there is still no jet action, turn off the pumps and loosen the top pump unions (see illustration above) slightly to let any trapped air escape. Re-tighten the pump unions and turn the pumps on again. Turn the pumps on and off several times until jets function properly.

11. Press the Warmer (UP) Button and Cooler (DOWN) Buttons until your desired water temperature (called the "Set Temperature") appears in the Display Window. The Display Window will show your Set Temperature for thirty seconds before reverting to show the current water temperature.

If you have the Dual-Temp model with built-in spa, likewise set the spa temperature using the + and – buttons. See the spa programming section later in this manual for more details.

The Display Window will not allow you to set the temperature above 104° F (≅40°C). However, if the water temperature exceeds 104° F (≅40° C), the display will show the actual temperature. **Never get in water if the temperature exceeds 104° F (≅40° C).**

12. While the spa is heating, inspect the pump unions and plumbing fittings for leaks. When you have finished the inspection, you can reinstall the equipment compartment panel.

You can confirm that the heater is on by checking that the Heat Indicator light on the control panel is glowing.

13. After completing the above steps, see the **Water Care Guide** (provided separately) to ensure proper water chemistry.

14. Place the thermal cover on the system to conserve energy and to keep it ready for use.
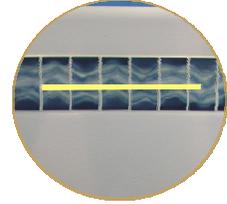
Using Your Aquatic Fitness System

Before you start

After your Aquatic Fitness System is installed and filled with water, your dealer must inspect and test it before you use it. Prior to inspection, be sure the system is filled to approximately 6 inches below to top rim (or the middle of the tile line if your system has tile – see picture at right).

Warning

Do not attempt to use your **Aquatic Fitness System** until your dealer has completed all required tests.

After testing your system, your dealer will show you how to operate the topside control panels and change the filter.

Using the "Pool-Side" Control Panel

Your Aquatic Fitness System has a **Control Panel** on the top side to control the Pool Functions. (If you have the "Dual Temp" model the spa-side functions are controlled by a separate panel, discussed later.).
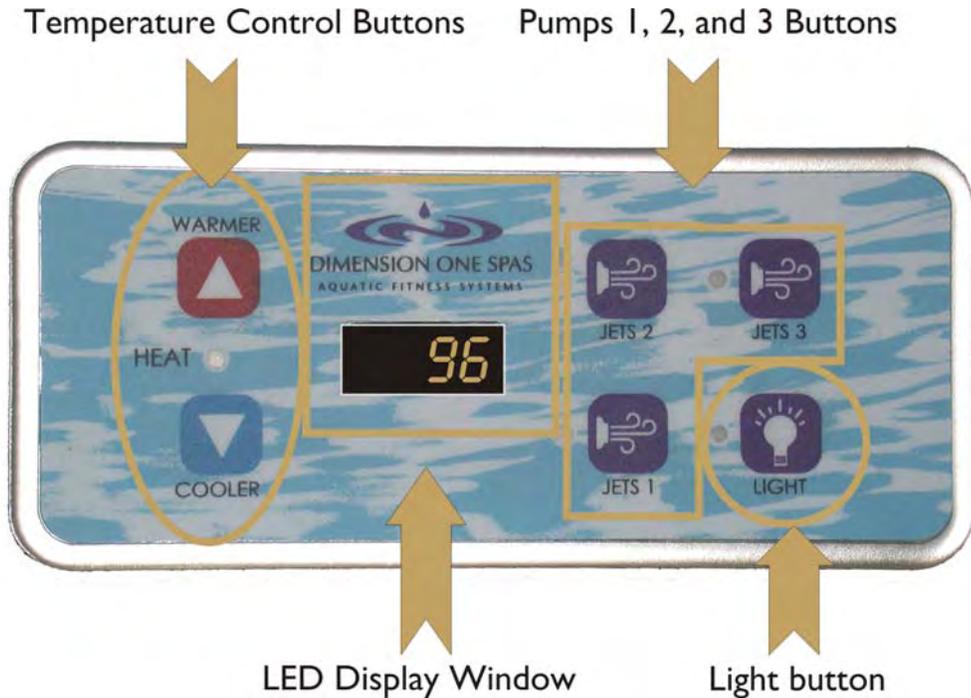
The Display Window

The Display Window shows the current water temperature, except when you are adjusting the temperature using the Warmer and Cooler buttons. Then it shows your desired **Set Temperature.** Five seconds after you finish setting the desired temperature, the Display Window reverts to showing the current temperature.

Temperature Buttons

Temperature Buttons - You control the water temperature with the **Warmer** (up arrow) and **Cooler** (down arrow) Buttons. Each time you press a button, the Set Temperature changes by one degree. For your safety, the temperature can be set no higher than 104 ° F (40° C).

> The desired temperature that you select on the control panel is called "Set Temperature."

When the temperature drops to 2°F ($\cong$1°C) below the Set Temperature, the heater will run until the temperature is 2°F ($\cong$1°C) above the Set Temperature.

> **The Heat Indicator Light** located between the UP and DOWN Arrow Buttons, will glow while the heater is on. The light will flash when the temperature has fallen below your Set Temperature, and the system is ready to heat, but cannot yet heat. This is a normal condition if your installed electrical service is not powerful enough to support both heat and pumps at the same time. In that case, once the pumps are turned off, the heater will come on.

Jets 1 Button

JETS 1 Button: Press the Jets 1 button once to turn on Pump 1 to Low Speed. A second press will turn it to High Speed. A third press will turn the pump off, unless the pump has been automatically activated during a heating cycle – in which case a third press will return the pump to Low Speed for heating. A built-in timer will automatically shut the pump off after 20 minutes of operation unless you manually shut if off sooner. The Jets 1 Indicator light (beside the button) will glow while the pump is running.

Pump 1 powers the Swim Jets and/or HydroTherapy Jets**.** The **Diverter Valve** (see left) controls which set of jets gets the water, and how much flows to each set. (Note: If you have the Dual Temp model with built-in spa, you have separate pumps for the Swim Jets and the HydroTherapy Jets, so you have no Diverter Valve.)

> Pump 1 also runs on low speed during all filtering and heating cycles. If the system is in a filter cycle, the indicator light for **JETS 1** will glow. If you manually press **JETS 1** during a filter cycle, this particular filter cycle will be disabled to give you control of the jet pump.

Jets 2 and Jets 3 Buttons

JETS 2 and JETS 3 Buttons: Pumps 2 and 3 provide high-volume water flow to the Swim Jets.

Press the appropriate button once to turn on Pump 2 or 3. The pumps work independently, giving you flexible control over the amount of water flowing from the Swim Jets. Pressing either button a second time turns that pump off.

A built-in timer will shut the pump(s) off after 20 minutes of operation unless you manually shut them off earlier. The Jets 2 or Jets 3 Indicator light beside the button will glow when that pump is running.

If your system was installed with less than the maximum recommended electrical service for heat and pumps, the heater will turn off when the pumps are running at high speed. If you have the maximum electrical service, then you can continue to heat your water while running the pumps at high speed. Ask your dealer if you have questions about your electrical service.

Light Button

You control the color sequence of your Dynamic LED lighting by pressing the **Light Button**. The Color Effects are:

- **Color Fade Slow**: Rotates through all colors approximately once per minute.
- **Color Hold**: Lock the current color.
- **Color Fade Fast**: Rotates through all colors approximately three times per minute.

Press the **Light Button** to change Color Effects as follows:

- Start on **Color Fade Slow** (default)
- Turn off for 1 second, back on again for **Color Hold**
- Turn off for 1 second, back on again for **Color Fade Fast**
- Turn off for 1 second, back on again for **Color Hold**
- Turn off for 1 second, back on again to restart at **Color Fade Slow**
- Turn off for 5 seconds or longer at any time: start on **Color Fade Slow**

For your convenience and cost savings, the light will automatically turn off after one hour. To reactivate the light after the timer has shut it off, simply press the **Light Button** again. The light will always start in the **Color Fade Slow** sequence after it has been off for more than 5 seconds.

Programming the Filter Cycle

The Aquatic Fitness System comes with **six pre-programmed filter cycles (F1-F6) and two lockout modes (L1 & L2)**. Three of the six filter cycles are the Standard Mode and the other three cycles the Economy Mode.

To enter the programming mode, press and hold both the **WARMER** and **COOLER** buttons at the same time for **3 seconds**. The display will indicate the filter mode with a code (F1 indicates Filter Mode 1, etc.).

Use the **WARMER** and **COOLER** buttons to scroll up or down through the filtering modes. The filter cycles are as follows:

- Standard Mode: F1, F2, F3
- Economy Mode: F4, F5, F6
- Lockout Mode: L1, L2

Selecting a Filter Cycle

Standard Mode

In the **Standard Modes** your system will heat whenever the water temperature drops to 2°F (≅1°C) below your SET temperature, and will continue to heat until the water is 2°F (≅1°C) above your SET temperature. In Standard Mode, heating the water is **independent of the filter cycles**.

Start the programming sequence by pressing and holding both the Warmer and Cooler Buttons for three (3) seconds. Then press the Warmer (Up) Button or the Cooler (Down) Button until you see F1, F2, or F3 in the Display Window.

Filter cycle F1 causes two (2) hours of filtration two (2) times a day.
Filter cycle F2 causes two (2) hours of filtration three (3) times a day.
Filter cycle F3 causes two (2) hours of filtration four (4) times a day.

Then, if you make no further changes for three (3) seconds, the system will automatically store your choice and exit the programming sequence.

Economy Mode

In the **Economy Modes**, the water will only heat when the filter is running during a normal filtration cycle.

Note

If the Display Window displays **COL** and **ICE**, Cool or Ice conditions have been detected. These conditions take precedence over the Economy Mode. The system will heat as needed to prevent cold damage regardless of the filter cycle. See the **Troubleshooting Guide** for more information.

Start the programming sequence by pressing and holding both the Warmer and Cooler Buttons for three (3) seconds. Then press the Warmer (Up) Button or the Cooler (Down) Button until you see F4, F5, or F6 in the Display Window.

Economy Filter cycle F4 causes two (2) hours of **filtration and heat** two (2) times a day.
Economy Filter cycle F5 causes two (2) hours of **filtration and heat** three (3) times a day.
Economy Filter cycle F6 causes two (2) hours of **filtration and heat** four (4) times a day.

Selecting a Lockout Mode

L1 - PUMP LOCKOUT – You can use the **L1** mode to prevent any pumps from accidentally running while you're cleaning the filters or doing any type of non-electrical servicing on your System.

Start the programming sequence by pressing and holding both the Warmer and Cooler Buttons for three (3) seconds. Then press the Warmer (Up) Button or the Cooler (Down) Button until you see L1 in the Display Window.

If you make no further changes for three (3) seconds, the system will automatically store your choice and exit the programming sequence. **The temperature display flashes while you remain in this mode**.

If the system is heating when you put it in the lockout mode **L1**, the heater will immediately turn off and the pump will run for thirty seconds, to cool the heating element, then turn off.

L2 - PANEL LOCKOUT – The L2 Lockout function prevents unauthorized use of your system by disabling the Control Panel.

Start the programming sequence by pressing and holding both the Warmer and Cooler Buttons for three (3) seconds. Then press the Warmer (Up) Button or the Cooler (Down) Button until you see L2 in the Display Window.

If you make no further changes for three (3) seconds, the system will automatically store your choice and exit the programming sequence. **The temperature display flashes while you remain in this mode**.

Note: While in L2 Lockout mode, the system will behave as if the filter cycle had been set to **F1**.

Using the Spa Side of the "Dual Temp" Model

If your Aquatic Fitness System includes the **separate built-in spa**, you have additional functions and controls described in this section.

The "spa side" is completely self-contained and separate from the "pool side." The water in the spa circulates through its own closed system – including pumps and jets. It contains a separate filter system, and the water chemistry must be managed separately using the guidelines in the separate *Water Care Guide* for the spa.

Operation of the Spa
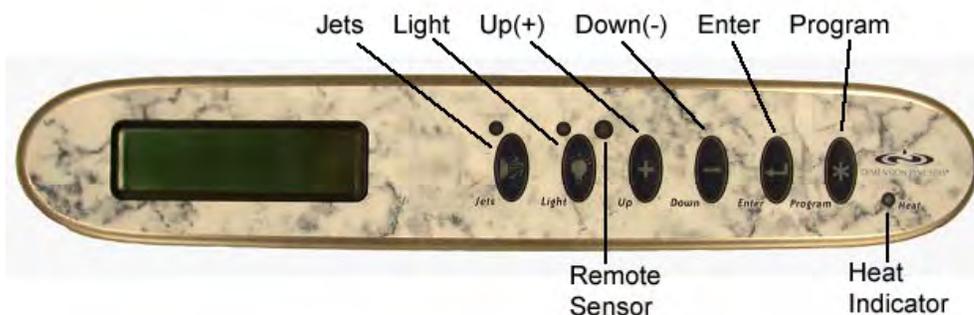
Display Window

The **Display Window** shows the current status of the spa, its monitoring functions, self-diagnostics, or programming messages. By default it shows the temperature.

JETS Button

When you push the **JETS** Button :
- The corresponding jet pump activates.
- The Jet Indicator Light glows.
- A swirl icon appears in the upper left corner of the Display Window. Its swirl speed indicates the pump's speed.

Pushing the **JETS Button** once starts the pump on LOW speed. Pushing it a second time turns on HIGH speed. Pushing it a third time turns the pump off.

A built-in timer will automatically shut the pump off after 30 minutes (60 minutes on some models), unless you turn it off manually. (You can reprogram this shut-off time if you like. See the Programming section).

When the pump is turned on, after the pump speed appears in the Display Window, a status bar appears indicating the time remaining until shut-off. If your spa has multiple jet pumps, they are all controlled by the same shut-off cycle.

The automatic shut-off not only protects your pumps from running continuously, it also allows you to filter your hot tub immediately after use. Just push the Jets button one more time as you get out, for an additional cycle of filtering.

Pushing a **JETS Button** will disable any concurrent filter cycle.

When the **Jets** Indicator Light, the **Light** Indicator Light, and the **Heat** Indicator Light are flashing, they indicate a problem with your spa. See the Troubleshooting Section for more details.

Light Button

The **Light Button** controls the lighting of your spa. The lights have three color effects you can choose from:

- **Color Fade Slow**: Rotates through all colors approximately once per minute.
- **Color Hold**: Lock the current color.
- **Color Fade Fast**: Rotates through all colors approximately three times per minute.

Press the **Light Button** to change Color Effects as follows:

- Start on **Color Fade Slow** (default)
- Turn off for 1 second, back on again for **Color Hold**
- Turn off for 1 second, back on again for **Color Fade Fast**
- Turn off for 1 second, back on again for **Color Hold**
- Turn off for 1 second, back on repeats to **Color Fade Slow**
- Turn off for 5 second or longer: start on **Color Fade Slow**

For your convenience and cost savings, the light will automatically turn off after one hour. To reactivate the light after the timer has shut it off, simply press the **Light Button** again. The light will always start in the **Color Fade Slow** sequence after it has been off for more than 5 seconds

Temperature Buttons

You control the water temperature using the **Up (+) and Down (-) Buttons.** Push a button once to change the temperature by one degree, or hold it down to rapidly change it by many degrees. When you change the Set Temperature, "**SET TEMP TO _ _ _° F**" appears at the bottom left of the Window. After 5 seconds, the display will automatically revert to the current water temperature. The water temperature may be adjusted from 59° F ($\cong$15° C) and 104° F ($\cong$40° C).

Note The Up and Down buttons are also used to make selections when programming the spa functions. See the Programming section for details.

Enter Button

You use the **Enter Button** to set certain programming operations, or to exit the programming sequence at any time.   See Programming the Spa Functions for details.

PROGRAM Button

You push the **PROGRAM Button** to begin the process of programming, or reprogramming, the spa.

For more information, see the Programming the Spa Functions.

Heat Status Light

The **Heat Status Light** glows when the heater is on. This is a normal function.

When the spa is heating, the message, "**HEATING TO _ _ _° F**" will scroll in the bottom left corner of the display window and an animated thermometer will appear above it.

If the water reaches 2° F ($\cong$1° C) above the set temperature, the message "**COOLING TO _ _ _ - CIRC PUMP & O3 OFF**" will appear in the bottom left of the Display Window and the circulation pump will turn off to allow the spa to cool.

Dimension One Spas
ICON (Logo)®

Time of Day: Push the Dimension One **ICON Button** to see the time of day. If no other button is pushed within 5 seconds, the display will revert to the water temperature.

Standby Mode: You can Press the ICON Button for 5 seconds to put the spa in "Standby" mode, which allows you to clean the spa without turning off the power.

Infrared Sensor

The infrared sensor, located between the Water Feature and Up buttons, allows you to remotely control the spa jets, fountain, interior lights, and iWatch perimeter lighting using the optional D1 Remote Control. Point the control at the sensor when you use it.

Messages that Appear in the "Dual Temp" Spa Display Window

The spa will automatically provide warnings, prompts, or reminders to you in the Display Window as described below. This is called the "Scrolling Message Center."

Rinse Filters
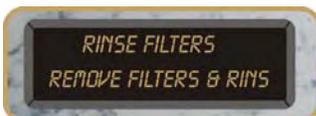
Every other month, your spa will warn you to "**RINSE FILTERS.**" The bottom of the Display Window will scroll the following instructions: "*REMOVE FILTERS & RINSE WITH HOSE... PUSH AND HOLD ICON BUTTON MORE THAN 3 SECONDS TO RESET THIS MESSAGE.*"

To reset (turn off) this message, push and hold the Dimension One Spas ICON (logo) located at the right hand side of the control for 3 seconds.

Clean Filters

On alternate months when "Rinse Filters" does not appear, the spa will display "**DIRTY FILTER.**" The bottom of the Display Window will scroll the following instructions: "*REMOVE FILTERS & CLEAN IN SOLUTION... PUSH AND HOLD ICON BUTTON MORE THAN 3 SECONDS TO RESET THIS MESSAGE*"

To reset (turn off) this message, push and hold the Dimension One Spas ICON (logo) Button located at the right hand side of the control panel for 3 seconds.

Change Water

Every four months, your spa will display "**CHANGE WATER.**" The bottom of the Display Window will scroll the following instructions : "*TURN POWER OFF, DRAIN & REFILL SPA...PUSH AND HOLD ICON BUTTON MORE THAN 3 SECONDS TO RESET THIS MESSAGE.*"

To reset (turn off) this message, push and hold the Dimension One Spas ICON (logo) Button located at the right hand side of the control panel for 3 seconds.

Change Vision Cartridge

OPTIONAL FEATURE: If your spa is equipped with the optional Vision Cartridge filtration system "*CHANGE VISION CARTRIDGE*" appears in the Display Window when it is time to replace it. For details see the separate instructions that came with your Vision Cartridge.

To reset (turn off) this message, push and hold the Dimension One Spas ICON (logo) Button located at the right hand side of the control panel for 3 seconds.

Spa Check Up

When "*SPA CHECK UP*" appears in the Display Window, we recommend that you have your hot tub inspected by your dealer for routine preventative maintenance.

To reset (turn off) this message, push and hold the Dimension One Spas ICON (logo) Button located at the right hand side of the control panel for 3 seconds.

Overheat

DO NOT ENTER THE WATER when "**OVERHEAT**" appears in the Display Window! Check the water temperature with a certified thermometer, and if it is above 104° F ($\cong$40° C), remove the hot tub cover and allow the water to cool. If the problem recurs, contact your local Authorized Dimension One Spas Dealer, or authorized service center.

> **Note**
>
> The overheat condition could be caused by excessive filtration. See the Troubleshooting Guide section for more information.

Check Water Level and/or 3 Flashing Lights
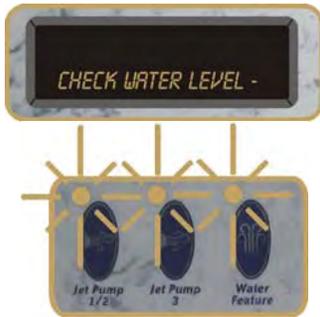
DO NOT ENTER THE WATER if you see **three flashing lights** and/or the message, "*CHECK WATER LEVEL -CLEAN FILTER-IF PROBLEM CONTINUES, TURN OFF POWER AND RESTART THE SYSTEM-IF PROBLEM CONTINUES, CALL FOR SERVICE*" in the Display Window.

If the water level is high enough, clean the filters as directed. The warning should stop once the problem is fixed. If the problem persists, reset the power to the spa by turning off the GFCI breaker and then back on.

If the problem persists after resetting the spa, contact your local Authorized Dimension One Spas Dealer, or authorized service center.

Extreme Temperature on the Display

DO NOT ENTER THE WATER if you see a temperature reading of **32° F** ($\cong$0° C) or **136° F**($\cong$57.8° C) without first checking the actual water temperature with a certified thermometer. The system has detected a Temperature Probe Failure and the water may be too hot, or too cold, to safely use.

Contact your local Authorized Dimension One Spas Dealer, or authorized service center.

Ice

When **ICE CONDITION** appears in the Display Window, the air temperature has dropped below a factory-preset level, and the system has activated "**Smart Winter Mode**." The pump will automatically run to circulate the water and prevent it from freezing. (The Smart Winter mode is not affected by putting the spa in "Standby" mode. See Standby mode description for more details).

The ICE warning is a normal hot tub function. No corrective action is necessary.

Cooling

When "**COOLING**" appears beside the water temperature in the Display Window, the water temperature has reached 2° F ($\cong$1° C) above the set temperature. The circulation pump and ozone generator will turn off to allow the water to cool back to the set temperature. This is a normal hot tub function. No corrective action is necessary.
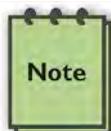
The circulation pump and ozone generator will run while either jet pump is on. They will remain on for 30 minutes after the pump(s) turn off regardless of the water temperature.

Summer Mode

The "**SUMMER MODE**" allows the circulation pump to continue running even when the spa exceeds the Set Temperature. During hot weather, normal filtering can cause the spa to exceed the Set Temperature, which halts the circulation pump so the spa can cool down. If your spa is not filtering enough during hot weather, you can put it in Summer Mode to allow the pump to keep running.

To initiate SUMMER MODE, use the Down Button to set the temperature below 59° F (@15°C). SUMMER MODE will appear in the Display Window. In this mode the pump will run the filter cycle until the water reaches 107°F (@41° C) before turning off. It will remain off until the water temperature falls to 102° F (@38° C) at which point the pump turns on again.

Standby Mode

STANDBY MODE allows you to clean the filters without turning off the power to the spa. This feature disables all automatic and manual functions so that pumps don't accidentally start while you're cleaning the filters. (The exception is Smart Winter Mode, described above.)

To enter **STANDBY** mode press and hold the Dimension One ICON (logo) Button for 5 seconds. To exit Standby mode, press and hold the Logo Button for 5 seconds.

If you do not exit Standby mode manually, the spa will automatically exit it and return to normal functioning after 24 hours.

Battery Backup - The Dimension One Spas *Scrolling Message Center* Control Panel has a battery back-up that will retain the time of day for 30 days, even without an active power source. The control panel will also store your custom programming commands for up to 40 years without power. This battery backup will **not** provide power to heat or operate the hot tub. *(This feature is not present in the" Digital Control Panel" models.)*

Programming the "Dual Temp" Spa Functions

The Program Button

Starting the Programming Sequence

To start programming the spa, push and hold the **Program Button** for 3 seconds. If within 10 seconds you do not continue programming, the spa will automatically exit the programming mode and go back to the normal Display screen.

Exiting the Programming Sequence at Any Time

To **exit** the programming sequence at any time, push the **Enter Button**, or simply do not press any button for 10 seconds. Any programming changes made up to that point are saved. This way you don't have to complete the entire programming sequence to save changes made to just part of it.

Clock

After you press the **PROGRAM Button** for three seconds, "**SET TIME OF DAY**" appears in the Display Window above the scrolling instructions: "*PUSH UP OR DOWN TO CHANGE - PUSH PROGRAM TO SELECT NEXT FUNCTION - PUSH ENTER TO EXIT* ". (If you'd like to skip setting the Clock, press Program to move on to the Filter Start Time.) When you push the **Up** or **Down** button, the Time screen appears with "Hours" (_ _.00) flashing. Set the hour using the **UP** or **DOWN** buttons, then push the **LIGHT** button to move on to the "Ten Minute" setting (12:_0). Set it using the **Up** or **Down** buttons, then push the **LIGHT** button to move on to the "Minute" setting (12: 0_). Set it using the **Up** or **Down** buttons, then push the **LIGHT** button to move on to the "AM or PM" setting. Select AM or PM with the **UP** or **DOWN** buttons. When you are finished, push the **PROGRAM Button** to exit the clock-setting mode. You will then be prompted to set the Filter Start Time. If you want to stop here, press Enter to exit the programming sequence and save your changes.

Filter Cycle Start Time

After you set the clock, the Display Window will prompt you to "**SET FILTER CYCLE TIME**". Push the **UP** or **DOWN Buttons,** as you did in setting the clock, to set the time you want your filter cycle to start. When finished, push the **PROGRAM Button**. *The pre-set factory default is 12:00 p.m. to 1:00 p.m. repeating every 12 hours unless the number of filter cycles per day has been changed.*

During a filter cycle, "SPA FILTERING" appears in the corner of the Display Window. JETS 1 will run for 5 minutes at high speed and for the remainder of the cycle at low speed. JETS 2 will run for 1 minute at high speed and then turn off.

Filter Cycle Duration

After you set the Filter Cycle Start Time, the Display Window will prompt you to "**SET CYCLE DURATION**". Push the **UP** or **DOWN** Buttons to choose 60, 90, 120, 150 or 180 minutes. Push the **PROGRAM** Button to save your setting. The pre-set factory default is 60 minutes.

Number of Filter Cycles

After you set the Filter Cycle Duration, the Display Window will prompt you to "**SET # OF CYCLES**". Push the **UP** or **DOWN Button** to choose **1, 2, 3** or **4** cycles per day. Push the **PROGRAM Button** to save your setting. *The pre-set factory default is 2 cycles per day.*

Note: Long and/or numerous filter cycles could cause the spa to overheat, especially in hot climates.

Pump Run Time

After you set the Number of Filter Cycles, the Display Window will prompt you to "**SET PUMP RUN TIME**". Push the **UP** or **DOWN Button** to choose **30**, **45** or **60** minutes. Push the **PROGRAM Button** to save your setting. This sets how long the pump will run when a Jets Button is pushed, before shutting off automatically. *The pre-set factory default is 30 minutes.*

Temperature Units (°F or °C)

After you set the Pump Run Time, the Display Window will prompt you to "**SET TEMPERATURE UNITS**". Push the **UP** or **DOWN Buttons** to toggle between **°F** (Fahrenheit) to **°C** (Celsius). Push the **PROGRAM Button** to save your setting. *The pre-set factory default is Fahrenheit.*

Vision Cartridge

After you set the Temperature Units, the Display Window will prompt you to "**SET VISION CARTRIDGE**". Push the **UP or DOWN Buttons** to toggle between "**Yes**" and "**No**". If your spa has a Vision Cartridge select Yes, if not, select No. Selecting "Yes" will tell the Message Center to notify you when your cartridge needs replacement. Push the **PROGRAM Button** to save your setting.

Invert the Display Window

You can flip the text in the Display Window to make it readable from either inside or outside the hot tub. To invert the text, push the **ENTER Button** three times. Do the same to return it to its original position.

Control Panel Lock

You can lock the control panel to prevent other people from using the spa or changing your settings. When the panel is locked, all programmed or default hot tub functions will operate normally, but the control buttons will not operate. When locked, the Display Window displays: "**ALL SPA FUNCTIONS LOCKED**."

To lock the panel, push the following sequence of buttons within 3 seconds:
1) The Dimension One Spas ICON (logo) Button.
2) The Dimension One Spas ICON (logo) Button (again).
3) The ENTER Button.

Control Panel Unlock

To unlock the panel, push the following sequence of buttons within 3 seconds:
1) Push the ENTER Button.
2) Push the ENTER Button (again).
3) Push the Dimension One Spas ICON (logo) Button.

Programming Lock

You can lock the spa programming to prevent other people from changing your settings. When programming is locked, all programmed or default functions will operate normally, and a user may still operate the hot tub jets and light. When locked, **PROGRAMMING LOCKED**" will scroll twice in the Display Window, then a lock icon will appear at the right. To lock programming, push the following sequence of buttons within 3 seconds:
1) Push the Dimension One Spas ICON (logo) Button.
2) Push the Dimension One Spas ICON (logo) Button again.
3) Push the PROGRAM Button.

Programming Unlock

To unlock the Programming functions, push the following sequence of buttons within 3 seconds:
1) Push the ENTER Button.
2) Push the ENTER Button (again).
3) Push the Dimension One Spas ICON (logo) Button.

Reset the Control Panel

If needed, you can reset all your hot tub settings to the factory defaults with one step. Please keep in mind that this resets not only your programming, but also all maintenance messages (clean filters, change water, etc.), as if the spa had just been installed. To reset the control panel, push the following sequence of buttons within 3 seconds:
1) Push the ICON (logo) Button
2) Push the ENTER Button
3) Push the PROGRAM Button

The top line of the Display Window will say: "**RESET PROGRAMMING?**"
The bottom line will say: "**IF SO, PUSH ICON**"
Push the Dimension One ICON Button to reset the entire control system to factory defaults, or do not push any button for 10 seconds to exit without resetting.

Routine Equipment Maintenance

Draining Your System

Your system is gravity-drained, without the need for a pump. To drain the system, first turn off the power at the GFCI (see Initial Startup section for details), then locate the **hose bibs** inside the equipment compartment (they are the spigots that you can attach a garden hose to). Remove the caps (if any) from the hose bibs. Screw a garden hose onto one of the hose bibs, put the other end of the hose in a safe place for water run-off (do not drain onto lawn or plants), and then turn the valve on the side of the hose bib to release the flow of water. After it drains, do the same with each of the other hose bibs. Don't forget to close the valves again before you re-fill the system.

For information about how often you should drain and refill your system, refer to the **Water Care Guide** that came with the system.

Filter Cleaning

IMPORTANT: To prevent debris from getting into the system during filter cleaning, shut off the power to the system at the **GFCI circuit breaker** (see Initial Startup section of this manual for details on the GFCI).

Your system has two topside filters. (If you have the Dual-Temp model, the separate spa area has a third topside filter). See photos at right.

To clean the filter, lift the center float of the skimmer assembly until it is fully extended. Hold the centerpiece of the assembly and turn it counterclockwise until the flats of the basket are aligned with the securing tabs. Then pull the basket assembly straight up to remove it.

Below the basket is the filter. Remove the filter by twisting it 1/4 turn counterclockwise to its stop (be careful not to overturn it.) Then lift the filter out of its canister. Clean the filter with a high-pressure garden hose. Every other cleaning, soak the filter in filter-cleaning solution and rinse it thoroughly. Reinstall the filter by reversing the removal process, then replace the skimmer basket assembly. Then turn the power back on at the GFCI breaker. Run the pump a few minutes at high speed before leaving the system in its normal heating mode. We recommend that you clean the filters every month as preventative maintenance.

Two-filter models

Three-filter (Dual Temp)

Light Bulb Replacement

Some models are equipped with a standard light bulb, others with an optional "Dynamic L.E.D. Light," but both are replaced in the same way. To change the bulb:

1. **Turn the power off** at the GFCI breaker and drain the water to below the level of the light.
2. Using the special tool provided in the owner's manual packet, unscrew the lens that covers the light housing.
3. Remove the old bulb and install the new bulb.
4. Use the special tool to replace the lens on the light housing.
5. Turn the light on and off to make sure it works before refilling the system.

	Do not attempt to remove the lens without draining the water to below the level of the light.

	Do not attempt to remove the lens without the special tool. If you have lost it, contact Dimension One Spas Service Department to have one sent.

	Be sure the rubber O-ring behind the lens is undamaged and is properly positioned when replacing the lens. Contact Dimension One Spas if you need a replacement O-ring.

Surface Care

We recommend using a "cheesecloth" rag, or other soft rag, to clean the entire shell surface with **Water Line Cleaner** or a similar product from your spa dealer. You may also use **ph/Alkalinity Increaser** or a 50/50 solution of denatured **alcohol and water**. Be sure to thoroughly rinse the shell after cleaning. To restore the luster of the shell after cleaning, you can use **Poli-Gloss** or a similar product from your spa dealer.

	Do not use "409" type cleaners or other caustic solutions as they may damage the shell surface and void the warranty. If you are using baking soda to clean your hot tub shell, be careful not to get it on the wood skirt. It may bleach the wood.

	Do not use citrus-based cleaners on the shell surface.

Care for the Wood Cabinet

When properly cared for, the wood cabinet of your system will maintain its beauty for many years. Wood reacts to the elements by expanding and contracting. To protect your wood finish, re-stain it every 3-6 months with **Redwood** or **Coastal Gray Stain**, which seals the wood. Please note that the cabinet is not warranted against reaction to natural weather conditions. Check with your spa dealer for wood maintenance products.

Special Cold Weather Instructions

All Dimension One Spas are designed for year-round use. They are insulated for energy efficiency and to protect the plumbing and equipment when the system is operational. The system has a "Smart Winter" freeze protection mode to circulate water during freezing weather, assuming the system has electrical power and the proper water level. Therefore, keeping your system operational is your best defense against freeze damage.

However, if you live where freezing conditions exist and you cannot avoid shutting down your spa for the winter, or where conditions may get too cold for the spa's "Smart Winter" mode to prevent freezing, you should have your spa Winterized by a professional Dimension One dealer or authorized service representative.

Draining your spa will not prevent freeze damage, because small amounts of water in the plumbing can expand and damage the system.

Draining or Winterizing your spa is specifically not covered by your warranty. This is why only a professional should be allowed to Winterize your spa if it becomes necessary.

Your system is equipped with automatic freeze protection. However, a **power outage** can cause your equipment to freeze quickly. During freezing conditions, check your system frequently to ensure proper operation. Always check your system after any power failure to ensure that it is operational.

Springtime Startup of a Winterized System

If your spa has been Winterized, Dimension One highly recommends that you **contact an authorized dealer** to restart it. The following is an outline of the procedures involved.

- Make sure o-rings for pumps are in place and undamaged.
- Make sure all the fittings that loosened are re-tightened.
- Replace all jet fittings, pump drain plugs, hose bib drains, and bleeder valves
- Fill the system with water in the normal way
- Turn the power back on.
- Run the jets on high speed for about 15 minutes.
- Drain the water.
- Put the filter(s) back in.
- Refill the system and treat chemically as one would after a normal water change

For more information about Winterizing your system, or restarting a Winterized system, please contact your local Authorized Dimension One Spas dealer.

Troubleshooting Guide

Heating System

Symptom	Problem	Corrective Action
Does not heat	1. Temperature setting is too low	1. Turn up the thermostat
	2. Dirty filter	2. Clean filter
	3. Flow switch out of adjustment	3. Call for service
Too hot	1. Temperature setting is to high	1. Turn down the thermostat
	2. High limit tripped	2. Call for service
Flashing temperature of 34°F or 134°F appears on the display	Possible temperature sensor failure	Call for service

Electrical System

Symptom	Problem	Corrective Action
Will not turn on – in any mode	No power	Check circuit breaker and/or GFCI
Turns on by itself	Normal automatic daily power filtration, or anti-freeze cycle	No action required
Light will not turn on	Burned out bulb	Replace bulb
Pump shuts down unexpectedly while in use	1. Automatic timer has shut pump off	1. Push JETS button to start another cycle. If desired reprogram automatic pump timer for a longer duration.
	2. Motor over-heated and automatic protective device has shut down pump(s)	2. If pump(s) will not restart when JETS pad is pushed, call for service Make sure that the equipment panel vent area is not blocked. Vent blockage can cause serious damage to your equipment.
3 flashing lights appear on the Control Panel	Possible sensor errors	1. Check water level
		2. Clean filter
		If problem persists:
		1. Turn off power
		2. Restart the system
		If problem persists:
		Call for service

Water System

Symptom	Problem	Corrective Action
Pulsating jets	Water level too low	Fill with water to approximately 6 inches below the top edge of the pool/spa
No Jet Action, or action is poor	1. HydroTherapy Jets closed	1. Open Jets
	2. Diverter Valve turned	2. Turn the Diverter Valve clockwise or counter clockwise
	3. Dirty Filter	3. Clean Filter
	4. Air lock	4. Loosen pump union to allow air to escape
	5. Gate valve closed	5. Open gate valve
The water is cloudy or has a smell	The water has a chemical imbalance.	1. Check TA/pH
		2. Test and adjust
		3. Change Water if necessary

Self-Diagnostic System

"Pool-Side" Control Panel

If one of the following messages appears in the Pool Side control panel, take the corrective action described below.

Symptom	Problem	Corrective Action
SN1	**Non-functional High Temperature Sensor:** Open high temperature sensor. Heater is deactivated.	Call your dealer for service.
SN2	**Non-functional temperature sensor:** Open temperature sensor. Heater is deactivated.	Call your dealer for service.
FL1	**Water Flow Problem:** Pressure switch is not closed when the pump is activated. Heater is deactivated. Proper flow of water is inhibited or pressure switch has malfunctioned. Check for proper water level, ensure pump is primed and/or check for clogged filter. Pressure switch may need to be adjusted.	Call the dealer for service.
FL2	**Pressure switch problem:** Pressure switch is closed, while pump is deactivated. Pressure switch may need to be adjusted.	Call your dealer for service.
COL	Cool condition: If the water temperature drops 20°F ($\cong$11°C) below the set temperature, the low speed pump and the heater will activate to bring the temperature within 15°F ($\cong$8°C) of the set temperature.	No corrective action is required.
ICE	Freeze condition: A potential freeze condition has been detected (55°F / $\cong$12°C.)	No action is required. The low speed pump will be activated along with the heater. The spa will automatically heat, until the spa is out of danger (65°F / $\cong$18.3°C.)

Symptom (Cont)	Problem	Corrective Action
DIMENSION ONE SPAS AQUATIC FITNESS SYSTEMS **OH**	**High temperature condition:** **Do not enter the spa water.** The water temperature is above acceptable limits. Water temperature has reached 110°F (≅43°C.)	Call your dealer for service.
DIMENSION ONE SPAS AQUATIC FITNESS SYSTEMS **- - -**	**High limit condition:** **Do not enter the spa water.** The water temperature has reached 118°F (≅47.8°C.) The entire system is disabled.	Call your dealer for service.

AquaFit™ Dual-Temp (Spa-Side)

Symptom	Problem	Corrective Action
	"OH" on LED Digital Display Window **High Temperature Condition:** **Do not enter spa water**. The water temperature is above acceptable limits. The water temperature has reached 110°F (≅43.3°C.). The system will shut down.	Remove the cover and allow the water to cool. Reset the power to the spa by resetting the GFCI breaker. No further action is required unless the water temperature fails to return to acceptable levels – in which case, call your dealer for service.
	3 Flashing Lights AND "OH" on LED Digital Display Window **High Limit Condition:** **Do not enter spa water.** The water temperature is above acceptable limits. The water temperature has reached 118°F (≅47.8°C.). The system will shut down.	Call your dealer for service.
	3 Flashing Lights **System Error:** 1. Check the water level 2. Clean the filters. 3. If the problem persists, reset the power to the spa by resetting the GFCI breaker.	If the error is not resolved after resetting the spa, call your dealer for service.
	Temperature Probe Failure: If the LED Digital Display shows 32°F (≅0°C) or 136°F (≅57°C), you have an open temperature sensor. The heater is deactivated.	Call the dealer for service.

228 in [579 cm] Shell

225 in [571 cm] Frame

Equipment
Compartment

Swim Spa
UCP

Swim P

Swim P

DIMENSION ONE SPAS®

A Higher Degree of Indulgence.

P/N 01533-0037 Rev B

Doc # 1536 Rev B