# Villa & InVigor Operation, Electrical Requirements Cleaning Instructions & Warranty

*NOTE: Equipment shown in this document may not be available or may not have been ordered for the delivered unit. Consult with your builder or supplier for exact order specifications.*

## INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK OR INJURY TO PERSONS

**WARNING!**
**WHEN USING THIS UNIT, BASIC PRECAUTIONS SHOULD ALWAYS BE FOLLOWED INCLUDING THE FOLLOWING:**

1. **READ AND FOLLOW ALL INSTRUCTIONS**
2. DANGER: To reduce the risk of injury, DO NOT permit children to use this unit unless closely supervised at all times.
3. Use this unit for only its intended use as described in this manual. DO NOT use attachments not recommended by the manufacturer.
4. NEVER drop or insert any object into any opening.
5. DO NOT operate this unit without the guard over the suction fitting.
6. The unit must be connected only to a supply circuit that is protected by a ground-fault circuit-interrupter (GFCI). Such a GFCI should be provided by the installer and should be tested on a routine basis. To test the GFCI, push the test button. The GFCI should interrupt power. Push the reset button. Power should be restored. If the GFCI fails to operate in this manner, the GFCI is defective. If the GFCI interrupts power without the test button being pushed there is a ground current flowing indicating the possibility of an electric shock. Do not use this hydromassage bathtub. Disconnect the hydromassage bathtub and have the problem corrected by a qualified service representative before using.
7. (For permanently connected units) A green colored terminal (or a wire connector marked “G”, “GR”, “Ground”, or “Grounding”) is provided within the terminal compartement. To reduce the risk of electric shock, connect this terminal or connector to the grounding terminal of your electric service or supply panel with a conductor equivalent in size to the circuit conductors supplying this equipment.
8. **SAVE THESE INSTRUCTIONS!**

An Oasis factory-installed hydrotherapy system is offered on numerous Oasis bathtubs of various sizes, shapes and surface materials. Depending on the model, the unit is equipped with a complete multi-jet factory tested system designed for personal usage in a permanent installation.
(Refer to specific model for exact features.)

The following guidelines are recommended by Oasis for the proper connection and operation of the hydrotherapy system. A careful review of these procedures (and any referenced publications) before starting is important in avoiding unnecessary problems resulting in an improper assembly or operation of the system

NOTE: All images in this publication are typical and may appear different than the actual product.

Not all components and features shown in this publication are available for all models. Due to product improvement, Oasis reserves the right to change, alter, and/or discontinue features and/or models without obligation or prior written notice.

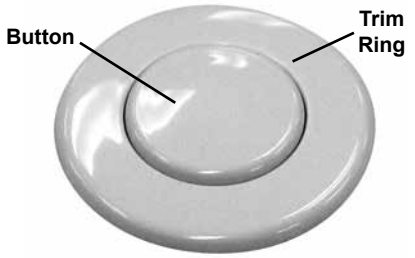
## WHIRLPOOL SYSTEM OPERATION

**WARNING!**
**AVOID OPERATING THE WHIRLPOOL SYSTEM WITHOUT ADEQUATE WATER IN THE TUB!**

### Single Function Pneumatic Button

Step 1: To start the whirlpool depress the pneumatic (on/off) button and release.

Step 2: To stop the whirlpool, depress the pneumatic (on/off) button and release.



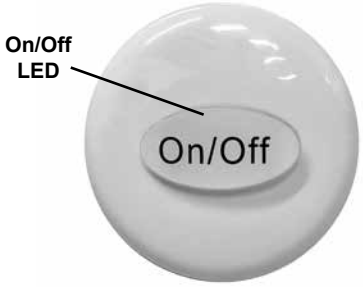

## NOTE

Before using the whirlpool for the first time, the system should be cleaned as described in the *Whirlpool System Care & Cleaning* heading of this publication.

### InVigor, Single Function Electronic Pad

Step 1: To start the whirlpool, gently touch the whirlpool icon. The built-in 20-min. timer cycle automatically begins when the system is started.

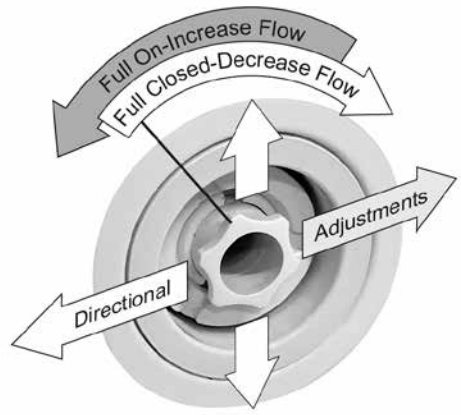
Step 2: To stop the whirlpool during the timer cycle or to restart the system, gently touch the icon a second time.



**Villa Static Jet**

The ultra-flat Villa jet provides maximum water flow in a compact (1.75” diameter), design. Simply fill your tub, start the system and enjoy!

**InVigor Adjustable Jet**
The full size (3.375” diameter) InVigor adjustable jet provides maximum water flow with adjustable features.




To adjust the water flow (rate) of the jet, rotate the inner jet nozzle to increase or decrease the rate, or anywhere in between the two positions. Total water flow can also be shut off as well.

To change the directional flow of the water simply move the inner jet nozzle around to the desired position.

**Air Injection Control (InVigor System)**

To change the action of the water during operation, adjust the air injection control knobs (located on the both sides of the tub). Opening the control (turning counter-clockwise) allows more air to be mixed with the water coming out of the jets for increased action. Turning the air control clockwise reduces air to the jets for less action or will turn off the jets completely.

**Variable Flow Control (InVigor System)**

Overall system water action can be adjusted using the variable flow control knob. By selecting the High, Medium, or Low setting, the water action is altered for the entire system.

## UNIT INSPECTION GUIDELINES

**Basic Unit Check**
An individual checklist is provided with every unit. Refer to the listed publication for further information before continuing.

**WARNING!**
**NEVER LIFT OR HANDLE WHIRLPOOL BY SYSTEM PIPING AT ANY TIME. LIFTING THE UNIT BY THE PIPING CAN CAUSE SYSTEM DAMAGE.**

**SPECIAL NOTE TO INSTALLER**
∗ It is the sole responsibility of the installer to determine, prior to installation, the requirements necessary for compliance with all codes involving the unit and the installation!

∗ All paperwork packaged with the unit and any associated options or accessories should be saved and given to the homeowner upon completion of the installation!

∗ All published unit dimensions are for reference only. Any critical dimensions required for installation should be taken directly from the unit being installed!

∗ Any independent changes made to the hydrotherapy system (or unit) beyond those required for normal installation can void all warranties! (Refer to warranties for further information.)

A careful check of the hydrotherapy system should be conducted upon delivery of the unit. Notify your supplier immediately if any questions or problems are encountered during this process.

**DO NOT INSTALL THE UNIT WITHOUT FIRST ADDRESSING QUESTIONS WHICH ARISE DURING THE INITIAL INSPECTION!**

**Basic Hydrotherapy System Check**
✔ Check all control panel wire leads or air tube for secure attachment to control box or pump.
✔ Check the system to ensure that all trim is accounted for and the correct finish.
✔ Check for factory installed components

## INSTALLATION INSTRUCTIONS

Framing and dimensional requirements are provided in the installation guidelines for each unit on our website. Refer to the unit guidelines for further information before continuing.

**WARNING!**
**ADEQUATE ACCESS MUST BE PROVIDED AT THE PUMP LOCATION.**

## ELECTRICAL SERVICE & CONNECTIONS

When providing electric service, basic precautions should be observed, including the following:

1. All wiring should be done by a licensed electrician in accordance with all local and national codes for the installation site.
2. The system(s) must be connected to a dedicated circuit(s) protected by a ground-fault circuit interrupter(s), (GFCI). *(Installer supplied)*
3. Properly ground the system!
4. All building materials and wiring should be routed away from the pump body and/or other heat-producing components of the unit.

**WARNING!**
**RISK OF ELECTRICAL SHOCK! MAKE SURE POWER IS OFF WHEN WIRING THE SYSTEM CIRCUITS.**

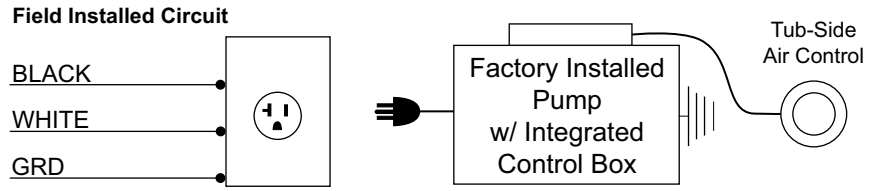
**System Wiring**
The field electrical connection is a single dedicated service line, protected by a 20 amp, ground-fault circuit-interrupter (GFCI) breaker, running from the main panel to an independently mounted junction box with a 20 amp electrical receptacle. Junction box mounting and all field electrical connections must be in compliance with all applicable codes for the installation site (schematics 1, 1A, & 2).

One or two additional, dedicated, 20 amp circuits may be necessary depending on system components installed (schematic 2).

**WARNING!**
**CONNECT ONLY TO A CIRCUIT PROTECTED BY A GROUND-FAULT CIRCUIT-INTERRUPTER BREAKER!**

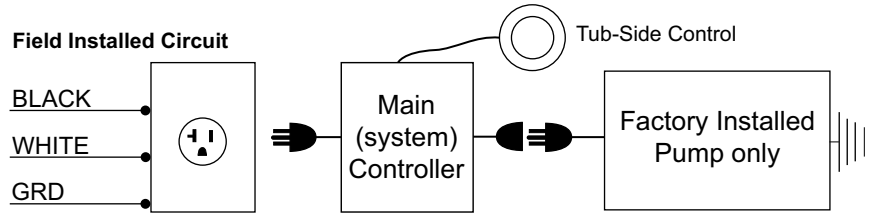
## Schematic 1 - Primary System Configuration

***Villa* Series system wiring (single, dedicated 20 amp, GFCI circuit)**



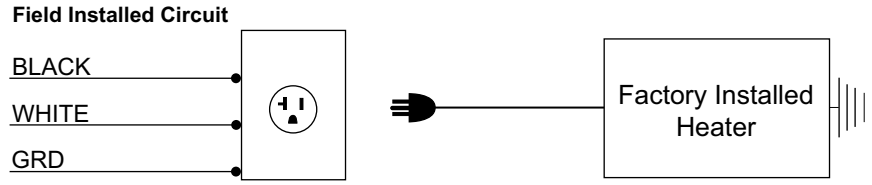

## Schematic 1A - Alternate System Configuration

***InVigor* Series system wiring (single, dedicated 20 amp, GFCI circuit)**




## Schematic 2 - Supplemental Circuit Configuration

**In-Line Heater wiring (single, dedicated 20 amp, GFCI circuit)**




**In-Line Heater (optional) Feature**

The in-line heater is a self-contained heating unit that requires no user adjustments. An internal switch and pre-set thermostat automatically operate the heater by water movement through the system. It is only designed to help reduce the loss of water temperature during whirlpool operation. It is not intended for use as an alternate heating source!

**In-Line Heater Wiring**

A single electrical supply cable with an attached plug, extending from the in-line heater, is supplied as a standard component of the heater. All internal wiring connections have been made by the heater manufacturer. The field electrical connection is a single dedicated service line (independent of other required circuits) running from the main panel to an independently mounted junction box with an appropriate electrical receptacle for the in-line heater plug. Breaker size, junction box mounting, receptacle selection, and all field electrical connections must be made in compliance with applicable codes for the installation site. No control box is necessary for the in-line heater.

A single electrical supply cable with an attachment plug, extending from the wiring compartment on the pump/motor, fitted through a strain relief fitting, is also supplied. All internal pump/motor wiring connections have been completed by the pump/motor manufacturer.

## SYSTEM FIELD TESTING

**ATTENTION INSTALLER!**
**WHIRLPOOL SYSTEM MUST BE FIELD TESTED FOR LEAKS BEFORE FRAMING IS COVERED OR THE UNIT ENCLOSED!**

**IMPORTANT!!**
**PRIOR TO TESTING, INSPECT & HAND TIGHTEN ALL PUMP & HEATER UNIONS!**

After completing all water supply, drain, and electrical connections, use the following procedure to test the system and fittings for leaks.

Step 1: Thoroughly clean tub of all debris which could damage the system, including small particles which could lodge in the jets or pump.

Step 2: Fill water level in tub to at least 2-3 inches above the highest jet.

Step 3: Start whirlpool and allow to run for 20 minutes. Adjust the air controls through the complete range, and check each jet for proper operation. After carefully checking each jet, fully close the air controls, the adjustable jets and continue running.

Step 4: While running the closed system, inspect all fittings and connections for leaks before draining.

**WARNING!**
**AVOID OPERATING THE SYSTEM WITHOUT ADEQUATE WATER IN THE TUB!**

## SYSTEM CARE & CLEANING

Through routine use, the hydrotherapy system can collect residues from soap, bath additives, and natural body oils. Additional deposits can also collect from minerals or particles found in the water supply.

**WARNING!**
**NEVER USE ABRASIVE MATERIALS OR ABRASIVE CLEANERS ON THE TRIM (JETS, AIR CONTROLS, AND SUCTION COVER).**

The following procedure in recommended to remove most deposits and avoid major accumulations inside the system piping. The actual schedule for cleaning will depend on system usage and water quality, but should not exceed 90 days.

Step 1: Fill tub with warm water to the top of the trim ring on the highest jet.
Step 2: Add 1-cup of low sudsing, automatic dish washing detergent and run the whirlpool for 20-min.
Step 3: Drain tub, refill with clean water and run the whirlpool for 20-min. to rinse.

Occasionally sanitize the system by following the cleaning procedure above, but substitute one cup of household bleach for the dish washing detergent. Rinse very thoroughly.

**Refer to the unit installation for guidelines on unit surface care and cleaning.**

## SYSTEM TROUBLE SHOOTING

**System did not start!**
- ✱ Check GFCI circuit breaker.
- ✱ Confirm system is “ON” at tub-side control.
- ✱ Confirm pump/motor and other powered components are connected (see power supply schematics).
- ✱ Confirm air line or electrical connections are attached to the tub-side control and at the control box.
- ✱ Have wiring connections checked. (Call installer or electrician.)
- ✱ Thermal limiter (in pump) may have engaged. (Call installer or supplier.)

**WARNING!**
**RISK OF ELECTRICAL SHOCK! MULTIPLE DISCONNECT SWITCHES MAY BE REQUIRED TO DE-ENERGIZE THE UNIT PRIOR TO SERVICING**

**Pump “Hums”, but no water action!**
- ✱ Check air controls, confirm open.
- ✱ Make sure water is 2”-3” above the top of the trim ring on the highest jet.
- ✱ Check highest full-size jet for blockage.
- ✱ Check suction line connection at intake port on pump to ensure it is tight. (HAND TIGHTEN UNIONS ONLY!)
- ✱ Have pump checked for impeller obstruction or other malfunction. (Call installer or supplier.)

**Restricted flow from jet(s)!**
- ✱ Check air controls, confirm open.
- ✱ Confirm jet(s) are open to full flow. (Adjust/rotate outer ring.)
- ✱ Have system supply line and/or jet(s) checked for blockage. (Call installer or supplier.)

**Water has excessive foaming!**
- ✱ Clean and sanitize system. (See Whirlpool System Care & Cleaning.)

**WARNING!**
**ANY SERVICING NOT MENTIONED ABOVE SHOULD BE PERFORMED BY A QUALIFIED SERVICE TECHNICIAN.**

**Oasis Lifestyle Product Assurance Program**

**Bathing and Shower Unit Structure & Surface Finish Limited Warranty**

Oasis Lifestyle provides a performance assurance program for unit structural integrity and surface finish covering a five (5) year period from the date-of-purchase on GELCOAT, and covering a ten (10) year period from the date-of-purchase on VACUUM FORMED ACRYLIC product, for the original purchaser and subsequent consumer. This Oasis limited warranty program addresses specific defects in the product, and the workmanship associated with the manufacture of the Oasis bathing and shower product. The specific defects covered must result in a significantly altered appearance and/or affect the intended performance standards for the product under normal residential use.

**Hydro-Massage Systems (water recirculation & air), Option & Accessories Limited Warranty**

Oasis Lifestyle provides a performance assurance program for their hydro-massage systems (herein called 'system'), and their options and accessories covering a two (2) year period from the date-of-purchase for the original purchaser and subsequent consumer. This Oasis limited warranty program addresses specific defects in the system components, and the workmanship associated with the assembly of the systems, along with offered options and accessories installed by Oasis, on an Oasis unit. The specific defects covered must result in a significantly altered appearance and/or affect the intended performance standards for the system, the option and/or the accessory.

During the coverage period, Oasis will, at its discretion (following a verification by an authorized Oasis representative), either provide service or supply a replacement product without charge, but excluding any cost associated with the transportation, removal of and/or reinstallation of the unit (module). Failure to allow requested inspection by an authorized Oasis representative, and/or failure to provide adequate accessibility for an authorized inspection, and/or service performed prior to documented authorization from Oasis Lifestyle, LLC., may delay service, and/or possibly terminate any warranty coverage, and remove any liability to Oasis Lifestyle, LLC.

**This 'Product Assurance Program' does not cover service resulting the following:**

a) Improper field installation of the product, system, option, accessory, and/or surrounding structure modifications, and/or utility service connections beyond the recommendations supplied by Oasis and within the scope of applicable codes and ordinances; or
b) Carelessness, damage, abuse, misuse, negligence, improper care, fire, flood, or acts of God; or
c) Non-conforming use, including any use beyond those intended for the product, system, option and/or accessory, including failure to follow the Prescribed Care and Maintenance Instructions; or
d) Any unauthorized alterations or modifications to the product, system, option, accessory and/or the individual parts or components supplied by Oasis.
e) Any surface and/or component staining, discoloration, component failure and/or build-up caused as a result of water chemistry or water quality at the site.
f) Service resulting from normal use and wear for the product, system, option and/or accessory.

Repair or the supplying of replacement product and/or components, under this limited warranty program, shall be the exclusive remedy. Oasis Lifestyle, LLC., shall not be liable for any incidental or consequential damages, including damages to the building / structure, the contents, the occupants, or breach of any expressed or implied warranties. Oasis Lifestyle, LLC., does not recognize, nor authorizes any party to provide implied or written warranties regarding a product, system, option and/or accessories fitness for a particular purpose, nor modify the terms of the limited warranty beyond those stated.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on the duration of any implied warranty. Therefore, the above exclusions and/or limitations may not apply.

THIS WARRANTY PROVIDES SPECIFIC LEGAL RIGHTS, WHICH CAN VARY FROM STATE-TO-STATE.

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