

## 7.0 Spa Fill Up Procedure

**FOR BEST RESULTS, READ EACH STEP IN ITS ENTIRETY BEFORE PROCEEDING WITH THIS PROCEDURE.**

### 1. Prepare The Spa For Filling

- Clear all debris from the spa. (Although the spa shell has been polished at the factory, you may want to treat it with a specially formulated spa cleaner.) Consult your authorized Jacuzzi dealer for additional information prior to filling spa.
- Remove both ProClear™ Plus skimmer and polishing filter lids and filters as illustrated in section 13.1 (pages 64-65).

### 2. Fill Spa

- Place the end of your garden hose into empty skimming filter bucket (filter bucket on your left) as you stand next to the spa. Fill spa half way, then place the garden hose into the opposite filter bucket (filter bucket on your right) while adding the remaining fill water.



**CAUTION:** Never fill with water from a water softener. If your water is extremely "hard", it is preferable to fill half-way with hard water and the rest of the way with softened water. Or, you may fill entirely with hard water if you use a special water additive available from your authorized Jacuzzi dealer.

- Fill spa until water level is above all jets and just touching the bottom of each headrest in its lowest position. DO NOT OVERFILL!



**IMPORTANT:** Always fill your spa through both filter buckets after draining. Failure to do so may cause air to be trapped in either pump, preventing the pump from circulating water. Remove the hose and replace both filter cartridges as illustrated in section 13.1 (pages 64-65).

### 3. Turn On Power

Turn on power to spa at the home's circuit breaker. The heater and filter/circulation pump will automatically activate. If the LCD display shows a "COOL" or "ICE" error, this is normal. Refer to page 71 for additional information.

### 4. Activate Jets Pumps

Turn on all jets(s) pumps when adding chemicals in step 5 (see section 10.2, page 46 to activate jets).



## J-400 Series

### 5. Add Start-Up Chemicals

Add the spa water chemicals as recommended by your authorized Jacuzzi spa dealer. See section titled "Water Quality Maintenance" (page 69) for general guidance.

### 6. Establish A Stable Sanitizer Reading

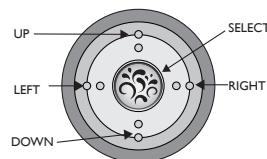
Establish a stable sanitizer reading between 3.0-4.0 ppm chlorine or 2.0-4.0 ppm bromine. To ensure healthy water conditions, always maintain a constant sanitizer reading within the levels recommended by the Association of Pool And Spa Professionals/USA printed on the inside cover of this manual. If sanitizer levels cannot be stabilized, perform the Decontamination Procedures on the following page.

**Note:** The "Decontamination Procedure" should also be used after the spa has been "Winterized" (sec. 13.7, page 68) or has been sitting without power for an extended period.

### 7. Set Spa To Heat

To warm spa water to a comfortable temperature, follow these steps:

- The LCD display on the control panel displays the actual temperature of the spa water. Press either the **UP** or **DOWN** button on the Navigational Quad Keypad to increase or decrease the water temperature by 1 degree.
- The heater will turn off 1 degree above set temperature and turn on 1 degree below set temperature.



#### Important Heater Details:

- The maximum temperature for which the spa can be set is 104 °F (40 °C) and the minimum is 80°F (27°C).
- For North American spas: With a 30 amp service, turn off one of the jet pumps to operate heater. With a 50 amp service, turn off both jet pumps to operate heater. With a 60 amp service, the heater will operate with both jet pumps on.
- Setting the thermostat at maximum will not accelerate the heating process. This will only result in a higher ultimate temperature.
- The heater operates until the water reaches 1 degree above the programmed "set temperature", then turns off. The heater will reactivate after the water cools to approximately 1 degree below the "set temperature."

### 8. Place Cover On Spa

- Keeping the insulating cover in place anytime the spa is not in use will reduce the time required for heating, thereby minimizing operating costs.
- The time required for initial heat-up will vary depending on the starting water temperature.



**DANGER:** Risk of injury! Always check water temperature carefully before entering spa!

### Decontamination Procedure

Steps 1-7 below are only required when sanitizer levels are unstable after performing Spa Fill Up Procedures steps 1-6. Disregard Decontamination Procedure below if sanitizer levels remain stable at 3.0-4.0 chlorine or 2.0-4.0 bromine ppm after performing Spa Fill Up Procedures steps 1-6.

1. Add 2.5 ounces of sodium dichlor for every 100 gallons of water. Refer to the table below for approximate water fill volume by model.

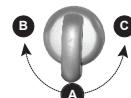


**CAUTION:** Never add chlorine tablets (trichlor) to your spa for any reason! This chemical may damage components within your spa and void the manufacturer warranty.

#### Water Fill Volume by Model

Spa Model	Approximate Fill Volume	Sodium Dichlor
J-460	409 US Gallons (1,548 Liters)	10 oz.
J-465	480 US Gallons (1,817 Liters)	12 oz.
J-470	535 US Gallons (2,025 Liters)	13 oz.
J-480	570 US Gallons (2,158 Liters)	14 oz.

2. Leave spa cover open during this step to allow excessive chemical vapors to exit spa, protecting pillows and plastic knobs from chemical attack. If spa is indoors, open doors and windows for proper ventilation. Turn on all spa jet pumps for one hour, open all air controls, and place all massage selector knob(s) in their center "combo" position as shown.



**Note:** You will need to activate the jet pumps every 20 minutes since these functions have an automatic 20 minute time-out that turns them off.



**CAUTION:** Never leave your spa unattended for any reason while the cover is open and accessible to small children and animals!

3. Turn off power to the spa at the circuit breaker, then drain tub as outlined in section 13.2 (page 66).
4. Refill spa with clean tap water from garden hose until water covers all jets but does not touch the bottom of the lowest headrest with all headrests in their lowest position (DO NOT OVERFILL!)



**CAUTION:** Never fill with water from a water softener. If your water is extremely "hard", it is preferable to fill half-way with hard water and the rest of the way with softened water. Or, you may fill entirely with hard water if you use a special water additive available from your authorized Jacuzzi dealer.

5. Consult your authorized Jacuzzi dealer for chemical recommendations, then add chemicals to spa water to achieve a constant sanitizer reading within the levels recommended by the Association of Pool and Spa Professionals/USA printed on the inside cover of this manual.
6. Turn on all jet pumps when adding chemicals to ensure proper mixing and leave your spa cover open until the sanitizer level falls below 4.0 ppm to protect pillows and plastic knobs from chemical attack.



**CAUTION:** Never leave your spa unattended for any reason while the cover is open and accessible to small children and animals!

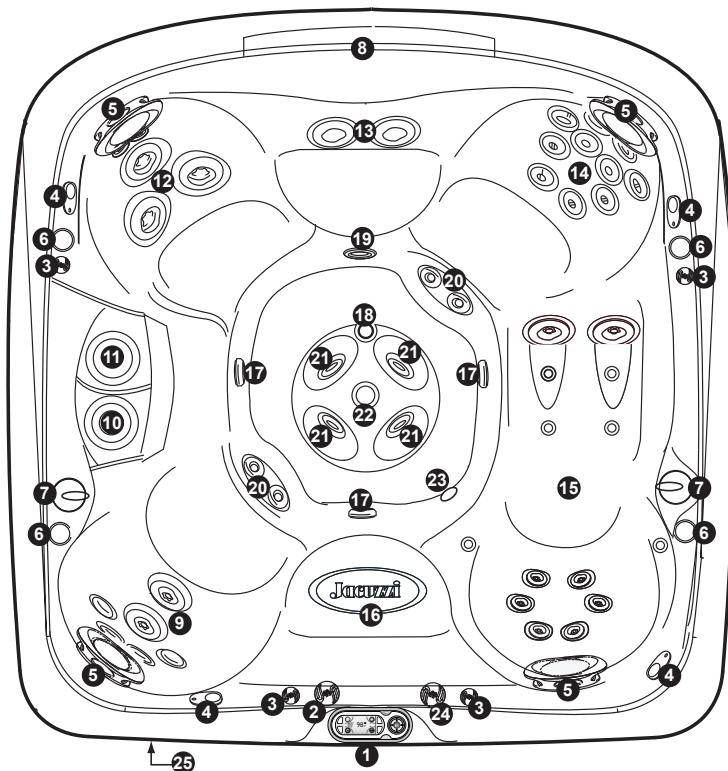


**CAUTION:** To prevent the unlikely possibility of contracting a waterborne illness, maintain water chemistry within step 6 parameters. If you or other bathers experience such a condition, discontinue use and seek medical attention.

7. Establish a sanitizer reading between 3.0-4.0 ppm chlorine or 2.0-4.0 ppm bromine, then allow the spa to set undisturbed for 8 hours. Retest water after 8 hours to determine if sanitizer levels are stable. If sanitizer levels are stable, your spa is ready for use. To ensure healthy water conditions, always maintain a constant sanitizer reading within the levels recommended by the Association of Pool and Spa Professionals/USA printed on the inside cover of this manual. If sanitizer levels are not stable at this time, it will be necessary to repeat this procedure in its entirety until stable sanitizer readings are achieved.
8. After adequate sanitizer levels are achieved, close all spa air controls to maximize heat retention when spa is not in use.

## 8.0 Spa Features

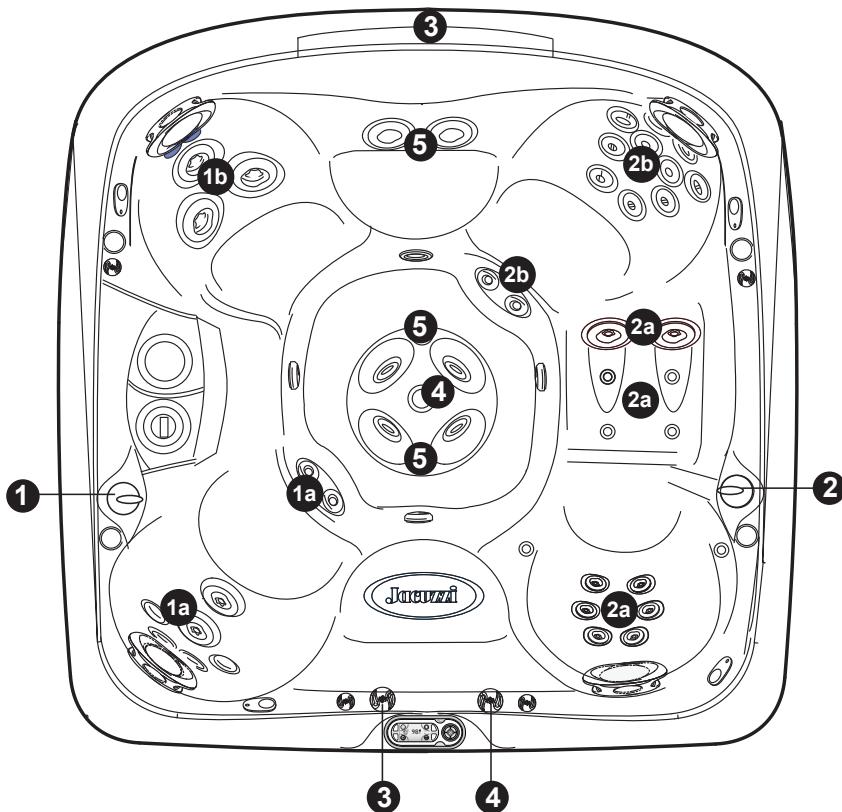
### 8.1 J-480 Spa Features



1. J-1000™ Control Panel
2. Waterfall Control Valve
3. Air Control Valves (4 ea.) Introduce Air to Specified Jet Groups (Page 21)
4. Optional Audio System Speakers (4 ea.)
5. Adjustable Pillows (4 ea.)
6. Lighted Cup Holders (4 ea.)
7. Massage Selectors (2 ea.) Controls Specified Jet Groups (Page 20)
8. Waterfalls (2 ea.)
9. FX Jets (4 ea.) and FX2 Jets (2 ea.)
10. ProClear™ Plus Polishing Filter Bag and Filter
11. ProClear™ Floating Skimmer and Filter Cartridge with Integrated Chemical Dispenser
12. NX Jets (2 ea.) and MX2 Jets (3 ea.)
13. FX2 Jets (2 ea.)
14. NX Jets (2 ea.) and RX Jets (10 ea.)
15. Lounge Jets:  
    FX Back Jets (6 ea.)  
    SX2 Jet for Wrists and Calves (6 ea.)
16. Lighted Seat Logo
17. Footwell Filter Suction Covers (3 ea.)
18. Bottom Filter Suction Cover
19. Waterfall Filtration Return
20. FX Calf Jets (4 ea.)
21. FX Footwell Jets (4 ea.)
22. Lighted IX Mass Aspiration Jet
23. Gravity Drain/Heater Input/Optional Ozone Return Fitting
24. Lighted Mass Aspiration Jet Flow Control Valve
25. Optional J-1000™ Audio System

## J-400 Series

### 8.2 J-480 Massage/Waterfall Selector Diagram



#### Massage Selectors (1-2)

- Massage selector 1 diverts pump 2 output between jets groups 1a-1b.
- Massage selector 2 diverts pump 1 output between jet groups 2a-2b.

#### Waterfall Selector (3)

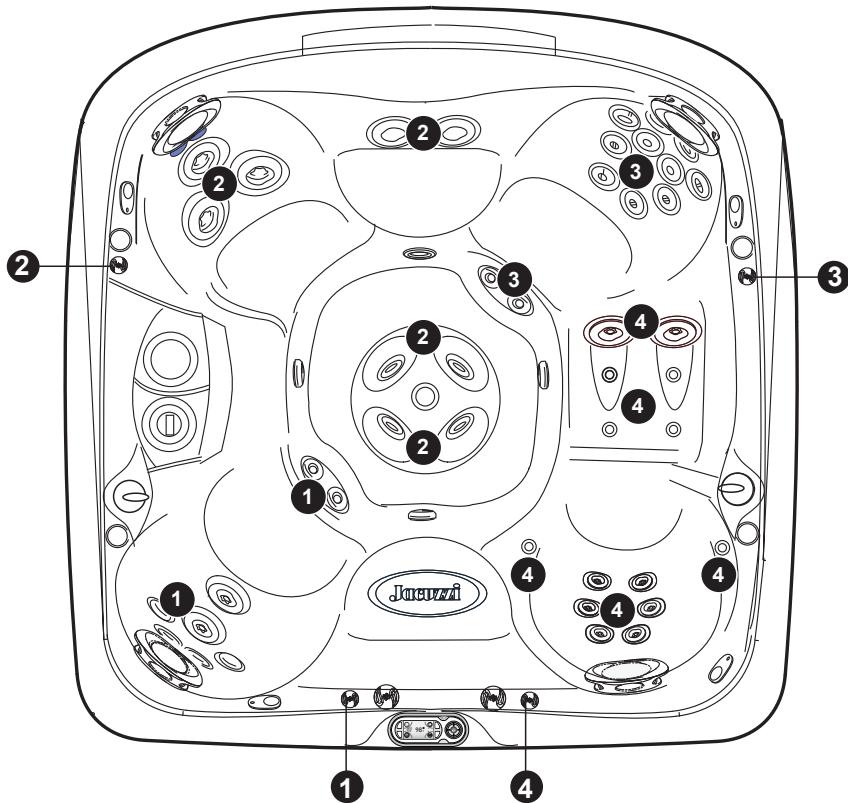
- Waterfall selector 3 controls circulation pump output to waterfalls.

#### Massage Selector (4)

- Massage selector 4 controls pump 1 output to footwell IX Jet.

#### Jets Without Massage Selector Controls (5)

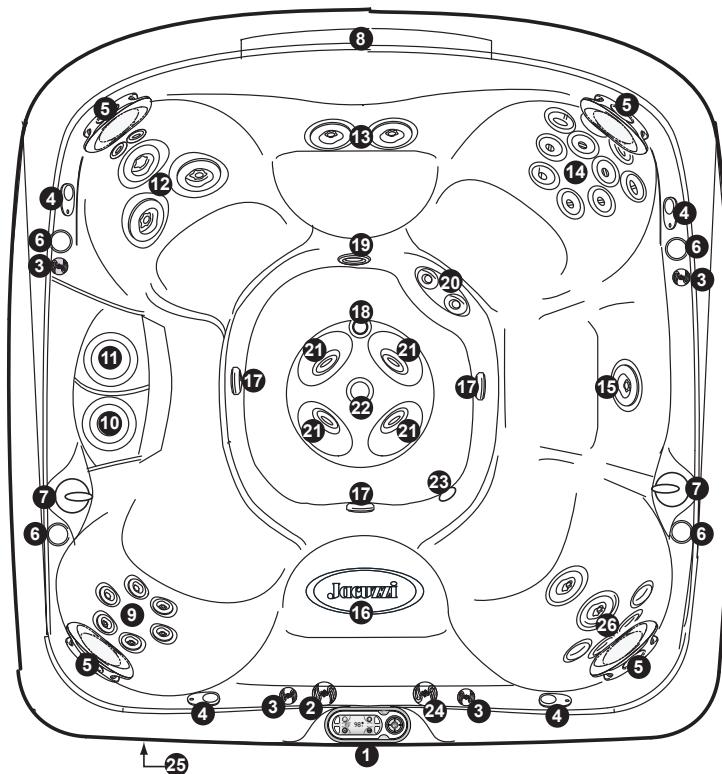
- Jets 5 are always on when jets pump 2 is running.

**8.3 J-480 Air Controls Diagram****Air Controls Operation**

- Rotate air controls 1-4 to add air to designated jet groups.
- Center footwell IX Jet draws air at all times when jets pump 1 is running. This jet has no air control.

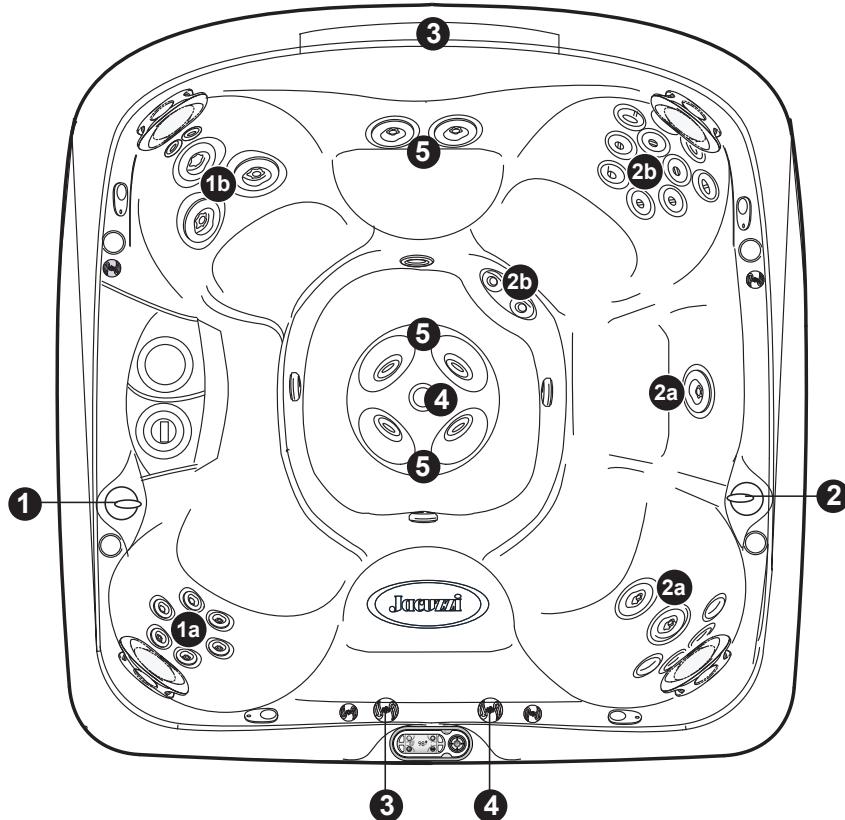
## J-400 Series

### 8.4 J-470 Spa Features



1. J-1000™ Control Panel
2. Waterfall Control Valve
3. Air Control Valves (4 ea.) Introduce Air to Specified Jet Groups (Page 24)
4. Optional Audio System Speakers (4 ea.)
5. Adjustable Pillows (4 ea.)
6. Lighted Cup Holders (4 ea.)
7. Massage Selectors (2 ea.) Controls Specified Jet Groups (Page 23)
8. Waterfalls (2 ea.)
9. FX Jets (6 ea.)
10. ProClear™ Plus Polishing Filter Bag and Filter
11. ProClear™ Floating Skimmer and Filter Cartridge with Integrated Chemical Dispenser
12. NX Jets (2 ea.) and MX2 Jets (3 ea.)
13. FX2 Jets (2 ea.)
14. NX Jets (2 ea.) and RX Jets (10 ea.)
15. FX2 Jet
16. Lighted Seat Logo
17. Footwell Filter Suction Covers (3 ea.)
18. Bottom Filter Suction Cover
19. Waterfall Filtration Return
20. FX Calf Jets (2 ea.)
21. FX Footwell Jets (4 ea.)
22. Lighted IX Mass Aspiration Jet
23. Gravity Drain/Heater Input/Optional Ozone Return Fitting
24. Lighted Mass Aspiration Jet Flow Control Valve
25. Optional J-1000™ Audio System
26. FX Jets (4 ea.) and FX2 Jets (2 ea.)

## 8.5 J-470 Massage/Waterfall Selector Diagram

**Massage Selectors (1-2)**

- Massage selector 1 diverts pump 2 output between jets groups 1a-1b.
- Massage selector 2 diverts pump 1 output between jet groups 2a-2b.

**Waterfall Selector (3)**

- Waterfall selector 3 controls circulation pump output to waterfalls.

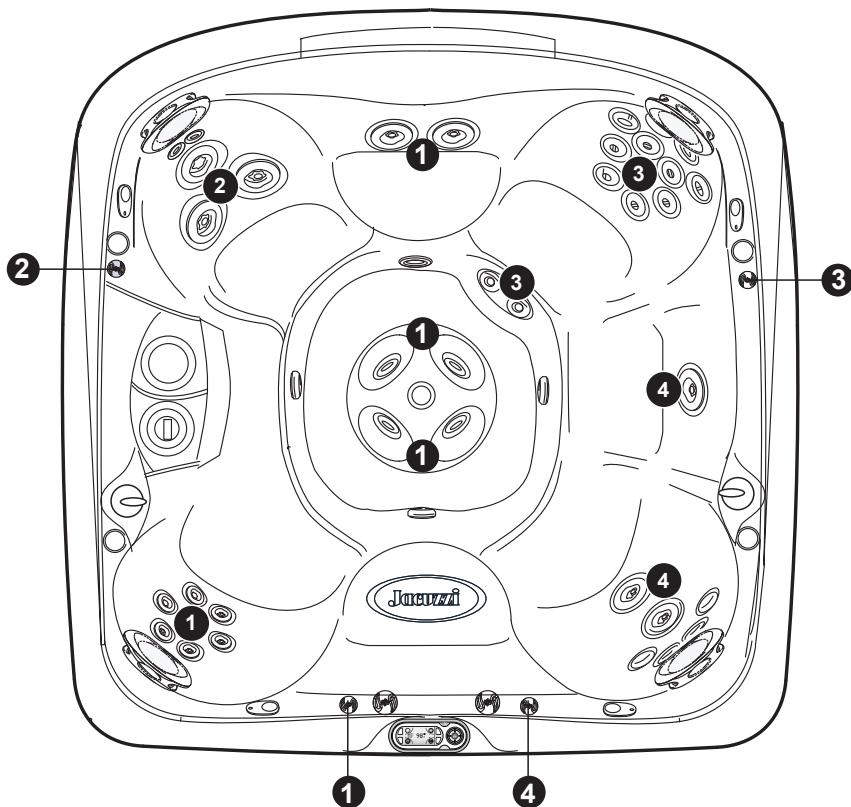
**Massage Selector (4)**

- Massage selector 4 controls pump 1 output to footwell IX Jet.

**Jets Without Massage Selector Controls (5)**

- Jets 5 are always on when jets pump 2 is running.

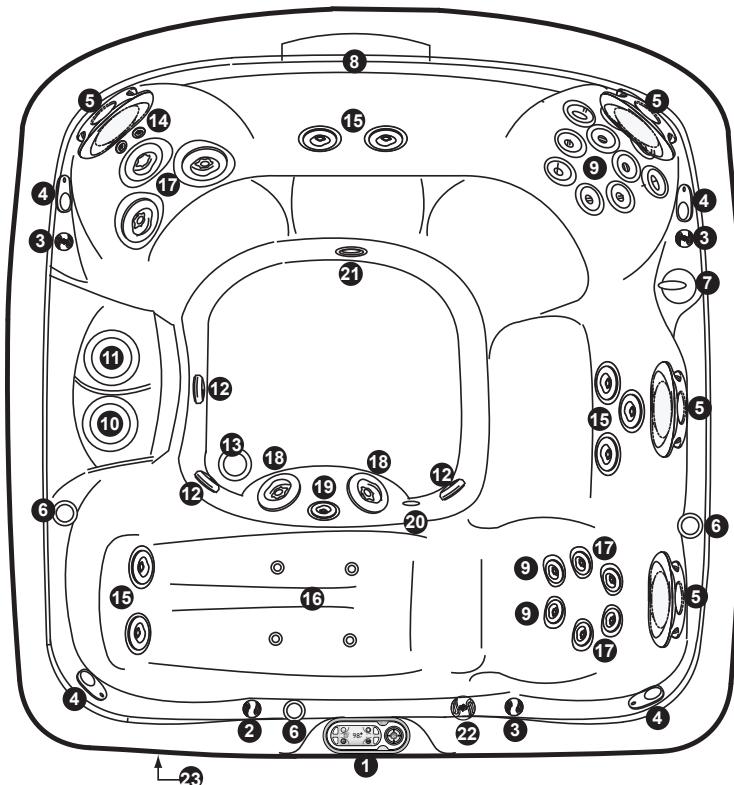
### 8.6 J-470 Air Controls Diagram



#### Air Controls Operation

- Rotate air controls 1-4 to add air to designated jet groups.
- Center footwell IX Jet draws air at all times when jets pump 1 is running. This jet has no air control.

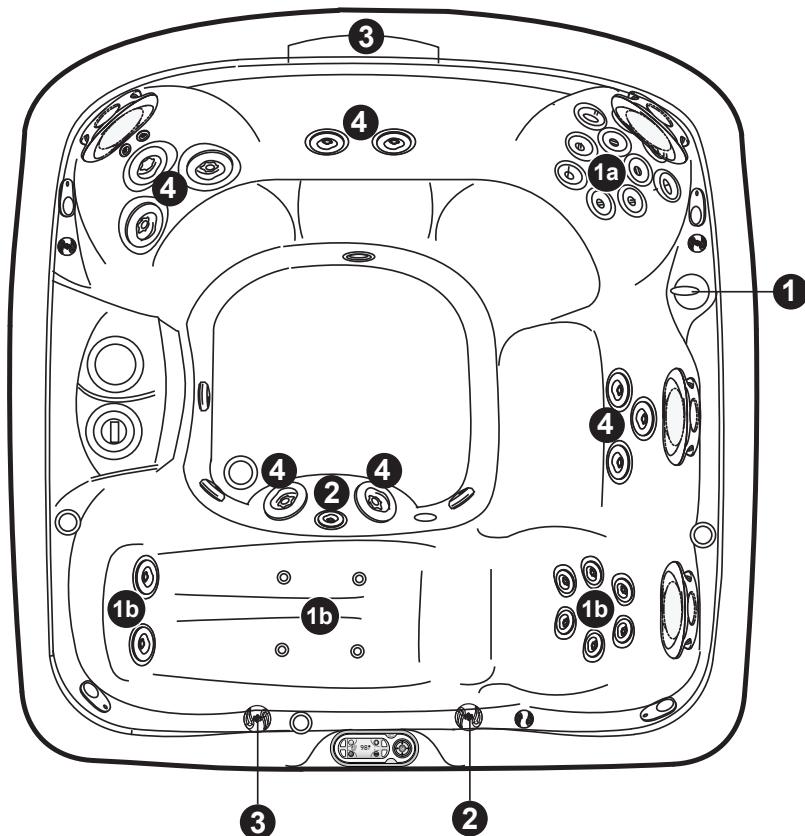
## 8.7 J-465 Spa Features



1. J-1000™ Control Panel
2. Waterfall Control Valve
3. Air Control Valves (3 ea.) Introduce Air to Specified Jet Groups (Page 27)
4. Optional Audio System Speakers (4 ea.)
5. Adjustable Pillows (4 ea.)
6. Lighted Cup Holders (3 ea.)
7. Massage Selectors (1 ea.) Controls Specified Jet Groups (Page 26).
8. Waterfall
9. FX Jets (14 ea.)
10. ProClear™ Plus Polishing Filter Bag and Filter
11. ProClear™ Floating Skimmer and Filter Cartridge with Integrated Chemical Dispenser
12. Footwell Filter Suction Covers (3 ea.)
13. Bottom Filter Suction Cover
14. NX Jets (2 ea.)
15. FX2 Jets (7 ea.)
16. SX2 Jets (4 ea.)
17. RX Jets (4 ea.)
18. MX Jets (5 ea.)
19. Lighted IX Mass Aspiration Jet
20. Gravity Drain/Heater Input/Optional Ozone Return Fitting
21. Waterfall Filtration Return
22. Lighted Mass Aspiration Jet Flow Control Valve
23. J-1000™ Optional Audio System

## J-400 Series

### 8.8 J-465 Massage/Waterfall Selector Diagram



#### Massage Selectors (1)

- Massage selector 1 diverts pump 1 output between jets groups 1a-1b.

#### Massage Selector (2)

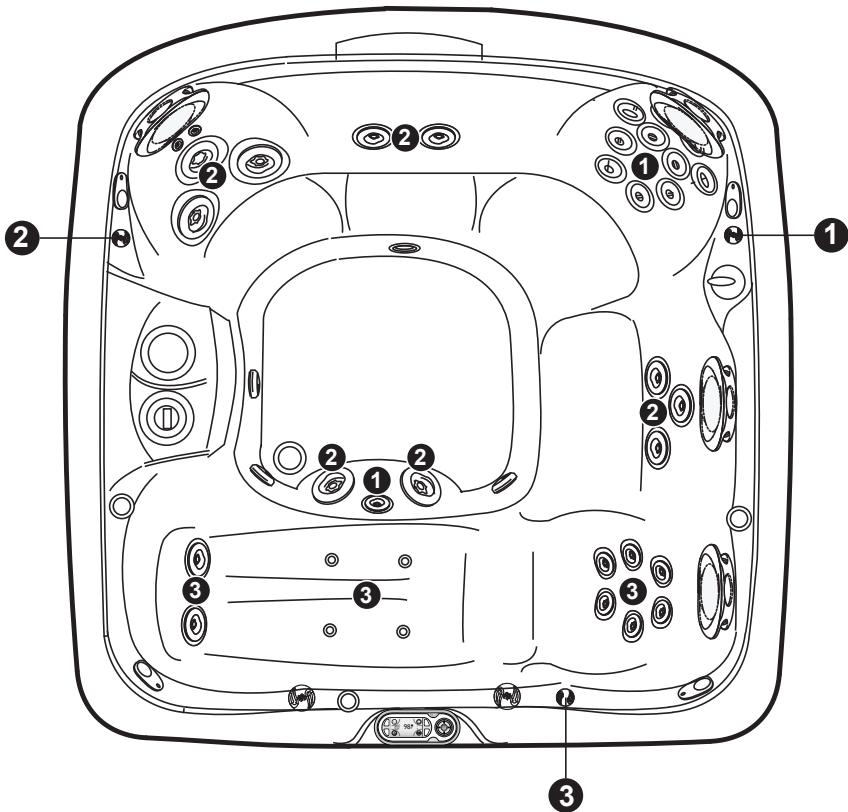
- Massage selector 2 controls pump 1 output to footwell IX Jet.

#### Waterfall Selector (3)

- Waterfall selector 3 controls circulation pump output to waterfall.

#### Jets Without Massage Selector Controls (4)

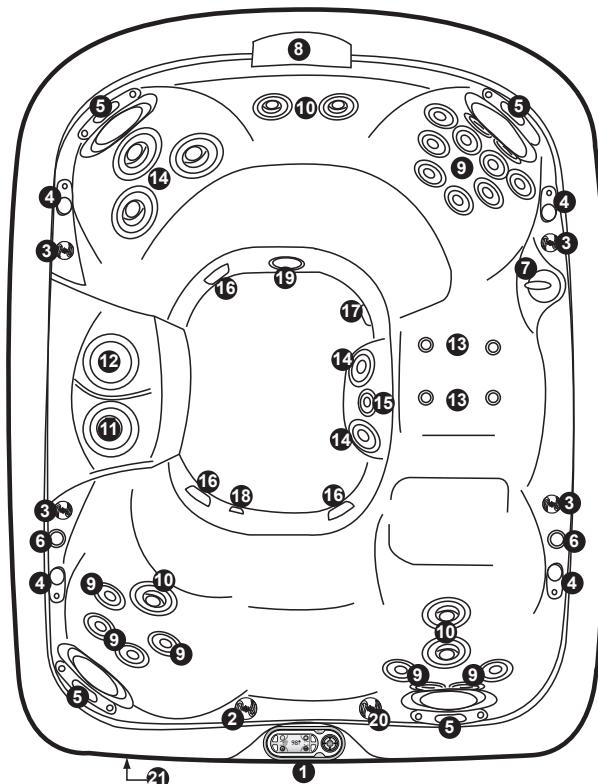
- Jets 4 are always on when jets pump 2 is running.

**8.9 J-465 Air Controls Diagram****Air Controls Operation**

- Rotate air controls 1-3 to add air to designated jet groups.

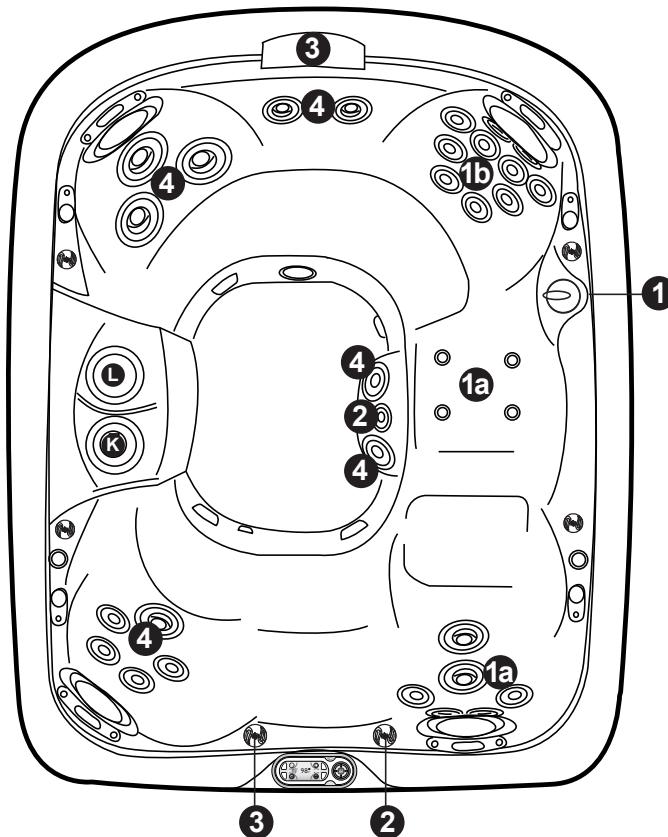
## J-400 Series

### 8.10 J-460 Spa Features



1. J-1000™ Control Panel
2. Waterfall Control Valve
3. Air Control Valves (4 ea.) Introduce Air to Specified Jet Groups (Page 30)
4. Optional Audio System Speakers (4 ea.)
5. Adjustable Pillows (4 ea.)
6. Lighted Cup Holders (2 ea.)
7. Massage Selector (1 ea.) Controls Specified Jet Groups (Page 29).
8. Waterfall
9. FX Jets (18 ea.)
10. FX2 Jets (5 ea.)
11. ProClear™ Plus Polishing Filter Bag and Filter
12. ProClear™ Floating Skimmer and Filter Cartridge with Integrated Chemical Dispenser.
13. SX2 Jets (4 ea.)
14. MX2 Jets (5 ea.)
15. Lighted IX Mass Aspiration Jet
16. Footwell Filter Suction Covers (3 ea.)
17. Bottom Filter Suction Cover
18. Gravity Drain/Heater Input/Optional Ozone Return Fitting
19. Waterfall Filtration Return
20. Lighted Mass Aspiration Jet Flow Control Valve
21. Optional J-1000™ Audio System

## 8.11 J-460 Massage/Waterfall Selector Diagram

**Massage Selector (1)**

- Massage selector 1 diverts pump 1 output between jets groups 1a-1b.

**Massage Selector (2)**

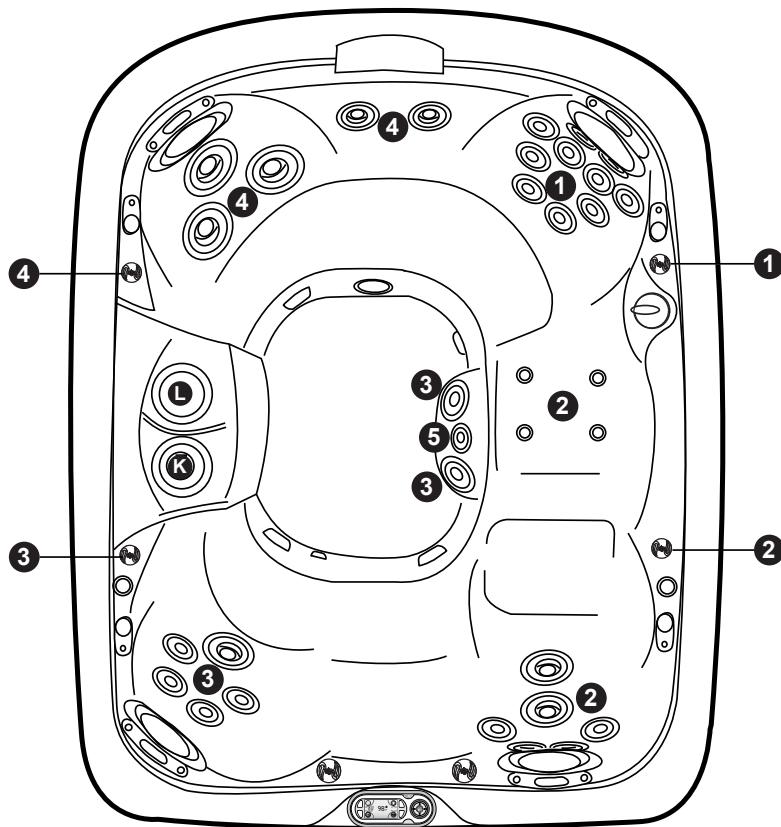
- Massage selector 2 controls pump 1 output to footwell IX Jet.

**Waterfall Selector (3)**

- Waterfall selector 3 controls circulation pump output to waterfall.

**Jets Without Massage Selector Controls (4)**

- Jets 4 are always on when jets pump 2 is running.

**8.12 J-460 Air Controls Diagram****Air Controls Operation**

- Rotate air controls 1-4 to add air to designated jet groups.
- Center footwell IX Jet (5) draws air at all times when jets pump 1 is running. This jet has no air control.

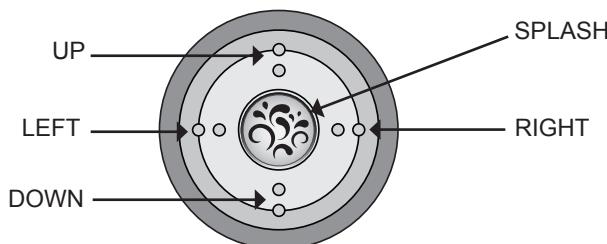
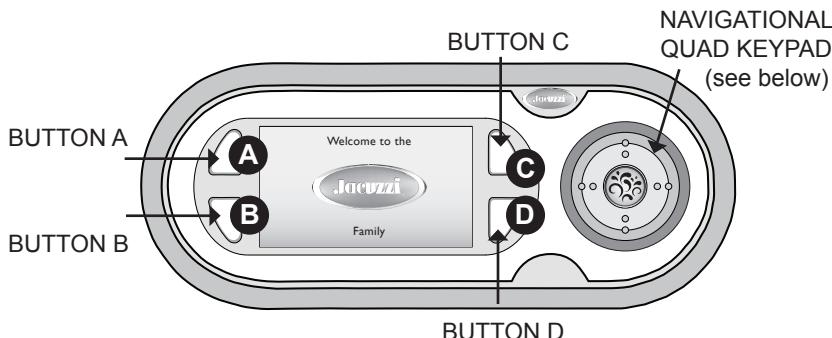
## 9.0 Control Panel Main Menu

### 9.1 Control Panel

Your Jacuzzi Spa is equipped with a state-of-the-art control panel. You will be able to access sets of multi-level menus. Familiarize yourself with the following information, so you can gain the full benefits of your spa. By learning the key features of the control panel, you will navigate through the menus and programming with ease. You will be referred back to this page as you move on to proceeding sections. Please pay close attention to the key points below.

- Although the graphics on the LCD display are vivid and colorful, the screen is not a touch-screen. The screen does display menu icons on every corner. These menus are activated by the button located just to the side of them (buttons A-D).
- At times you will see up, down, left or right arrows surrounding key features that are selected or made by using the Navigational Quad Keypad (see below).
- In the center of the Quad Keypad is the “Splash” button. This button is mostly used to save, set, reset or enter your changes.
- Located to the left, about mid-screen, is an icon that lets you know what menu you are currently in.

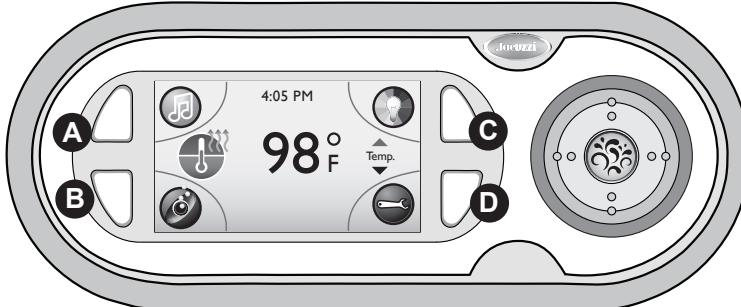
### START UP MENU DIAGRAM



### 9.2 Main Menu Features

From the Main Menu you can access the main component menus to operate your Jacuzzi Spa. Listed below is a list of the Main Menu icons.

#### A. Menu Control Buttons



- Temp.** = **Temperature control:** Indicates that by using the Navigational Quad Keypad you can:
- Increase the temperature by pressing the Up button.
  - Decrease the temperature by pressing the Down button.
  - To display the temperature in °F, press the Right button.
  - To display the temperature in °C, press the Left button.

**Note:** The temperature range for the spa is 80 to 104 °F (27 to 40 °C). The factory default temperature is 98 °F (37.6 °C).

 = **Heating icon:** Indicates that the heater is on and heating the water.

 = **Temperature indicator:** The thermometer icon will either rise or fall depending on the actual water temperature.



below  
79°F



80°-88°F



89°-98°F



99°-104°F



105°F  
higher

- A** = **Button A:** Press this button to access the corresponding menu located to the right side of it.
- B** = **Button B:** Press this button to access the corresponding menu located to the right side of it.
- C** = **Button C:** Press this button to access the corresponding menu located to the left side of it.

- D** = **Button D:** Press this button to access the corresponding menu located to the left side of it.
- 🎵** = **Entertainment Menu Icon:** Press button A to access the menu to operate the J-1000™ Audio System powered by JBL (page 35).
- ⚙️** = **Jets Menu icon:** Press button B to access the menu to operate the jets pump (page 46).
- 💡** = **Lighting Menu Icon:** Press button C to access the menu to operate the lights and lighting effects (page 47).
- 🔧** = **Settings Menu Icon:** Press button D to access the menu to program and operate a majority of the key functions of the spa (for example setting the language, date, time etc. page 53).

## B. Menu Indicators



- 4:05 PM** = **Time indicator:** The time will always be shown when the Main Menu is displayed. The appearance will vary depending on the whether the clock is set to a 12-hour or 24-hour configuration.  
**Note:** The spa does not adjust for daylights saving time, so the time must be manually adjusted. The AM or PM indicators will only appear with the 12-hour configuration.
- 1605**
- 98° F** = **Temperature:** Displays the actual water temperature in either °F or °C.
- SETPOINT** = **Temperature setpoint:** Displays the temperature that the spa has been set to. Press the Up or Down button on the Quad Keypad once to view setpoint. The word "setpoint" will only appear when manually setting the temperature.
- Dec 22 2008** = **Date:** The time will always be shown when the Main Menu is displayed.

### 9.3 Menu Flowchart

The flowchart below is included to help you understand the spa's navigational screens. By pressing the buttons located next to each corner icon, you will enter additional menus and submenus. Each menu is covered in detail in the sections to follow.

**Note:** If your spa is not equipped with an audio system. The Entertainment Menu and menu icon (  ) will not appear and be replaced with a Lock icon (  ).

