Custom

Series

Arctic Hot Tubs Ajax
Arctic Hot Tubs Vaughan
Arctic Hot Tubs Whitby

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EASY. SIMPLE. **ARCTIC**
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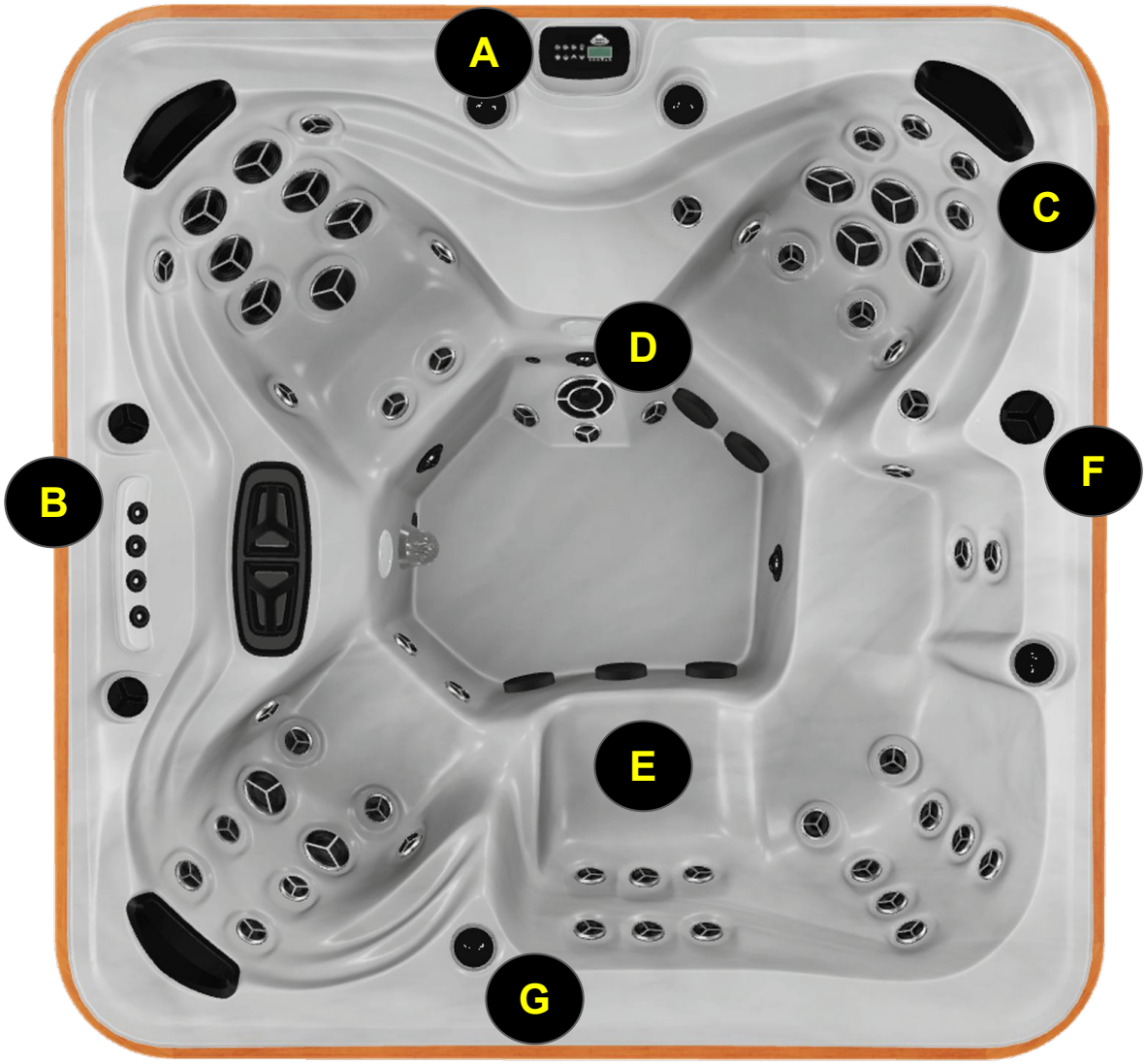
CUSTOM SERIES - Spa Overview



A: **Topside Control** - See Topside Control section in this manual.

B: **Waterspouts** - Controlled by an ON/OFF valve.

C: **Neck Jets** - Rotating neck jets are designed for your own personal comfort and are controlled by an ON/OFF valve.

D: **Monsoon Jet**

E: **Jets** - All jets are adjustable and can be turned ON/OFF and can also be locked in the fully ON position, simply by rotating the jet face

F: **Diverter** - If you spa is equipped with a Diverter, its purpose is to distribute water pressure to varying jets of provide water pressure to the Monsoon or both.

G: **Air Control//Venturi** - Increases and decreases pressure to the jets by turning ON/OFF.

CUSTOM SERIES - Ripple Jets

Three Inch (3”) Jets

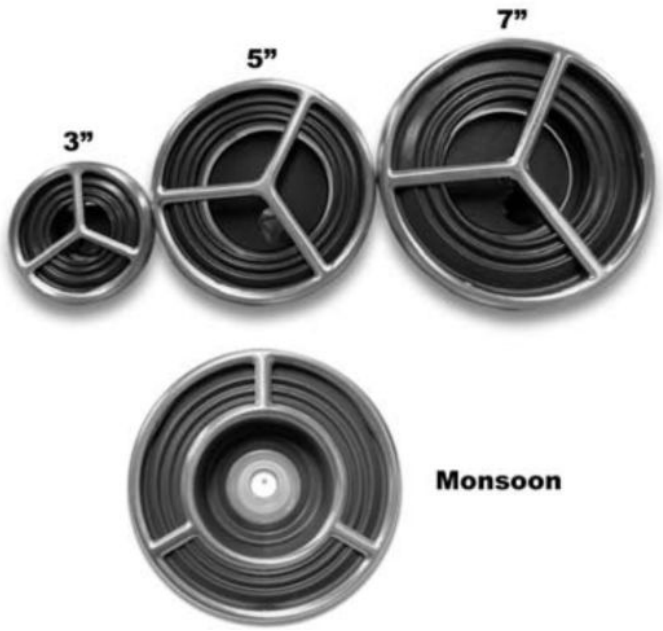
The single jets give a wide circular massage. The 3-inch jets are designed for a thorough massage of the muscles in your upper back, shoulders and neck. These jets are adjustable by turning the face of the jet clockwise for a stronger flow and counter clockwise for a softer flow and eventually off. The jet can also be locked in the fully ON (open) position by turning the face of the jet clockwise until it does not go any further. Then rotate again to allow the jet to override the lock stop.

Five Inch (5”) Jets

The five inch hydromassage jets give a wide circular massage. These jets are adjustable by turning the face of the jet clockwise for a stronger flow and counter clockwise for a softer flow and eventually off. The jet can also be locked in the fully ON (open) position by turning the face of the jet clockwise until it does not go any further. Then rotate again to allow the jet to override the lock stop.

SDS (7”) Jets

With the SDS jetting configuration there are 6 large 7” jets with a dedicated pump driving just those 6 jets. It is the ultimate massage for those that need to dig a little deeper to take away those aches and pains.



Monsoon Jets

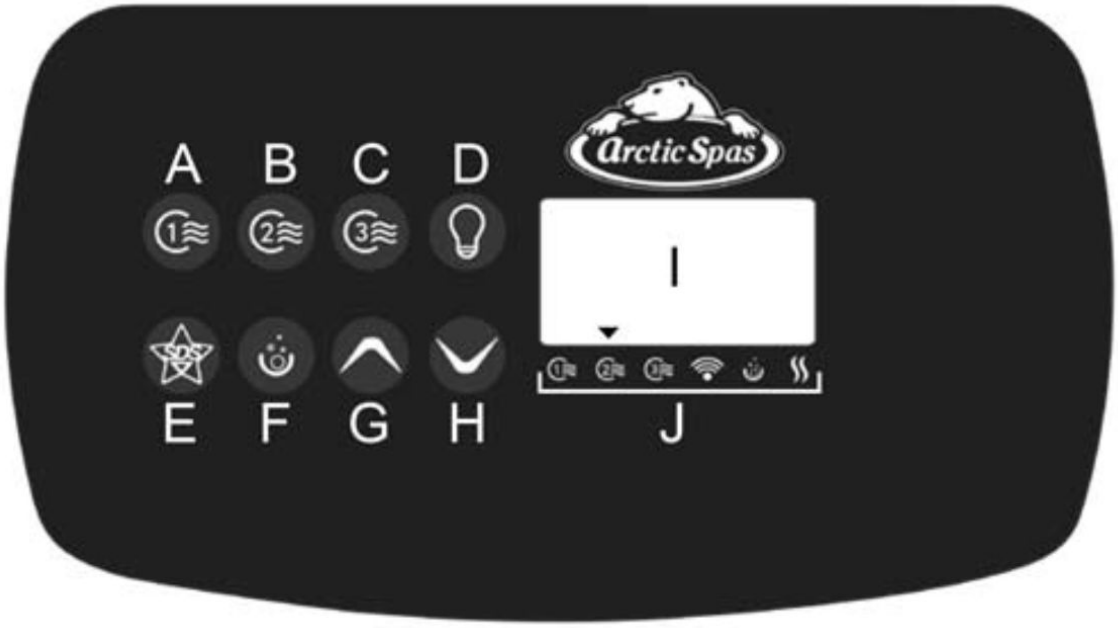
The Monsoon Jet is a large hydro-massage maximize massaging action on a specific area of the body. It is located in the lower part of the spa to allow easy access for massaging feet, legs, hip and lower back. The intensity of the Monsoon Jet can be altered using the diverter (the location varies depending on spa model). Consult your sales associate regarding which diverter lever or jump in and experiment for yourself.

** Some models do not have the Monsoon Jet

CUSTOM SERIES - Topside Control

Your spa control has been specifically designed so that by simply connecting the spa to a properly grounded source, and following the start-up procedure provided by Arctic Hot Tubs Whitby/Vaughan, the spa will automatically heat to the set temperature. Many other functions, such as filtration, safety checks and maintenance reminders have been automated so that your spa experience will be as carefree as possible.

But you're in charge. The topside control (TSC) panel allows you to set the temperature, initiate the filtration cycle, control the lights, and activate or deactivate the pump(s). The TSC display responds to let you know you have pressed a button, and that the selected function has been performed.



A **Pump 1**

B **Pump 2**

C **Pump 3**

D **Light Control**

E **SDS Control**

F **Setting / YESS**

G **Up Arrow**

H **Down Arrow**

I **Display**

J **Function Indicator Selection**

A small inverted triangle over the symbol indicates that the corresponding function is active

CUSTOM SERIES - Topside Control

Starting Pump 1 - Press Pump 1 button to turn on low speed. Press a second time to turn Pump 1 to high speed. A third time turns the Pump 1 off. A built in timer automatically turns Pump 1 off after 20 mins. Pump 1 will stay on low speed during a heating cycle

The Pump 1 indicator lights up when Pump 1 is on high speed and flashes when Pump 1 is on Low speed.

Starting Pump 2 - Press Pump 2 button to turn on Pump 2. Press a second time to turn Pump 2 off. A built in timer automatically turns Pump 2 off after 20 minutes, unless it has been manually deactivated.

The Pump 2 indicator lights up when Pump 2 is on speed

Starting Pump 3 - Press Pump 3 button to turn on Pump 3. Press a second time to turn Pump 3 off. A built in timer automatically turns Pump 3 off after 20 minutes, unless it has been manually deactivated.

The Pump 3 indicator lights up when Pump 3 is on high speed

Starting SDS - Press SDS button to turn on SDS. Press a second time to turn SDS off. A built in timer automatically turns SDS off after 20 minutes, unless it has been manually deactivated.

Setting Water Temperature -- Use the Up or Down Arrow button to regulate water temperature. The temperature setting will be displayed for 5 seconds to confirm your new selection

Water temperature can be adjusted by 1◦ increments from 59◦F to 104◦F (15◦C to 40◦C). The temperature symbol indicates the desired temperature, NOT the current water temperature.

Automatic Water Heater Start --When water temperature is 1◦F (0.5◦C) lower than the Set Point, the heater will automatically turn on & heat until the water temperature reaches 1◦F (O.5◦C) above the Set Point.

The heater indicator lights up when the heater is on and flashes when there is a call for heat or in cool-down.

CUSTOM SERIES - Topside Control

Spa Boy® Boost (if equipped) - Press and hold the Pump 2 key until BOO appears on the display. DO NOT LET GO. Keep holding until you see “Sbb” then release the key. This initiates Spa Boy® Boost which runs the Spa Boy® electrode for 30 minutes regardless of the ORP setting. When activated “Sbb” will be displayed

Smart pH® Boost (if equipped) - Press and hold the Pump 2 key until “phb” appears on the display. DO NOT LET GO. Keep holding until you see “phb” then release the key. This initiates Smart Ph reset which needs to be done any time new Smart ph cartridges are installed in the tub.

Temperature Unit - Press and hold the light button for 5 seconds to toggle between ◦F and ◦C

Turning The Lights On - Your spa is equipped with a lighting package, you can toggle through the color options by pressing the Light button on/off. Press Light button to turn on . Press a second time to turn lights off. A built in timer will automatically turn the lights off after 2 hours unless it has been deactivated. The light indicator is displayed when the lights are on.

Boost Mode -Press and hold Pump 2 button for 10 seconds to enable Boost Mode. In this mode, Pump 1 high speed ond the ozonator (if equipped) will run for 45 minutes. When this is enabled,”boo” is displayed on the control pad. This mode is used to speed up filtration after intensive use of the spa or to help chemicals just added to the spa.

Fogger Waterfall (if equipped) -The Fogger Waterfall is controlled by pressing and holding Light Button for 2 seconds. This will activate the LIghts,Fogger and the small Pump that operates the system. Pressing the ‘Light Button once will turn the Fogger/Waterfall off. The system will stay activated for 2 hours unless it has been manually turned off using the light button.

It is advisable on first start up or restart that water is put into the opening of the Fogger/Waterfall to fill up the area to prevent any damage to the Fogger Unit.

Pad Lockout -There are two modes you can choose from: Full or Partial Lock.Full lock means that all keypad functions are locked. Partial Lock means that only the basic functions will remain accessible (pumps & light)

Locking your digital control pad - Press and hold SDS button for 5 seconds. The display will show “Loc P”, with “P” representing partial lock. Release the button and the keypad will be in partial lock mode. Keep the button pressed down for 5 more seconds if you want to be in Full lock mode. The :LocF” message will then be displayed

When the control pad is locked, all automatic functions will run as normal. If a button is pressed down a “LocP” or ‘LocF” message will be displayed. To unlock the keypad, simply press and hold SDS button again for 5 seconds.

CUSTOM SERIES - Accessing SpaBoy readings (if installed)

If your spa is equipped with Spa Boy® (optional) you can easily access your Oxidation Reduction Potential (ORP) and Potential Hydrogen (pH) readings through the topside.

Press and hold the Pump 1 button for 5 seconds or until you see “Info” on the display.

Press the Pump 2 button four (4) times until “Sb” appears on the display.

Press the SDS button and “O” followed by numbers appears will appear. This is your is your ORP reading.

Press the SDS button again and “pH” followed by numbers will appear. This is your pH reading.

CUSTOM SERIES - Filtration Settings

Press the Filter button to enter into your filtration options. Your display will show "Sett" and from here you will be able to choose your settings.

Press your Filter button again to display your first option. This is your Ozone Cycle Duration (if equipped).

Use your arrow keys to select your Ozone Cycle Duration. You can select from 1 to 24 hours per day.

Press your Filter but- ton again. Your dis– play will now show the settings for your Onzen (if equipped).

Use your arrow keys to select your Onzen Cycle Duration. You can select from 1 to 24 hours per day.

Press your Filter button again. Your display will now show the settings for your Filter Duration.

Use your arrow keys to select your Filter Duration in hours. You can select from 0 to 6 hours.

Press your Filter but- ton again. Your dis– play will now show the settings for your Filter Cycle Frequency.

Use your arrow keys to select your Filter Cycle Frequency from 1 to 4 times per day.

Filter button

Arrow keys

You will see the options that are applicable to your spa. If you have neither ozone or Onzen, you will proceed directly into the setting your Filter Duration.
The pump 1 button will allow you to exit without saving any changes. When you get to the end of the options, press the filter key one last time to save changes and begin a filter cycle immediately. If you do not press the filter key at the end your changes will be saved and filter cycle will begin when you have programmed it to do so.

45 Minute filter cycle time-out: If you turn a pump or light during a filter cycle, the cycle will be interrupted and will only resume 45 minutes after you (or the system) have turned the last active output off.

CUSTOM SERIES - Error Codes

Er #	Abbreviation	Error
ER 00	FLO	No Flow
ER 01	FLC	Flow Switch
ER 02	HL	Heater Over Temp
ER 03	HL(F)	Spa over temp
ER 04	Prr	SPA Temp probe
ER 05	HL	Spa High Limit
ER 06	EE	Eeprom
ER 07	FP	Freeze Protect
ER 08	Ph	pH High
ER 09	Hd	Heater probe disconnected
ER 10	HPt	Heater probe test failed
ER 11	SB-CE	SpaBoy Comms Error
ER 12	H/S cal	Heater spa temperature
ER 13	H-wo-s	Heater way above Spa
ER 14	orp_nr	Orp not responding to production
ER 20	P1Lnc	P1L no current
ER 21	P1Hnc	P1H no current
ER 22	P2nc	P2 no current
ER 23	P3nc	P3 no current
ER 24	SDSnc	SDS no current
ER 25	YESSnc	YESS no current
ER 26	Onnc	On no current
ER 27	H1nc	H1 no current