



SpaCatalog

Balboa Water Group Products Catalog 2016



made in the usa

BALBOA
water group



Welcome to our new and updated 2016 Balboa Water Group (BWG) Spa Catalog. As you browse through the pages of this expanded catalog, you will find our new **MicroSilk[®], Pearl Essence and Light Up Jets, VariMax[™] Pump, BP2000, and VS100 Systems**. These and other new products are being built upon our proven industry leading innovations and quality products that we have been delivering for nearly 30 years.

In addition, this catalog includes all the standard products that you have been using and relied on in your businesses for many years and will continue to be the foundation of our product offering going forward.

We thank you for your business and look forward to working with you in the future.



About Us



Our outlook has earned us the position of leading global supplier in our industry with state-of-the-art manufacturing, and an unsurpassed reputation for reliability.



Tustin | California | USA
118,403 sq ft.

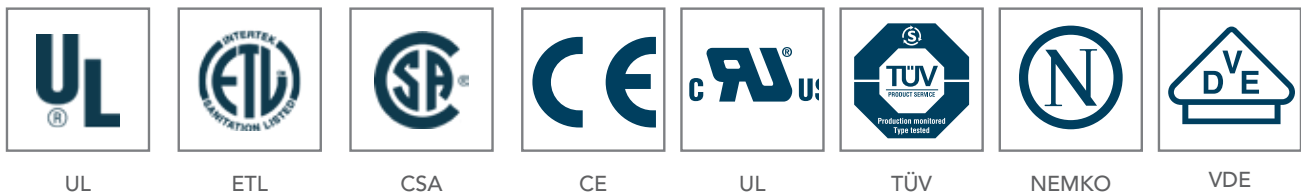


Valencia | California | USA
177,604 sq ft.



Varde | Denmark
30,138 sq ft.

We believe in working with other organizations to meet quality standards that provide lasting results, and ultimately meet and exceed our standards for the highest quality and expertise for the leisure water industry.



Solutions & Services

We are fundamentally committed to customer satisfaction. Our customers know they can depend on us for quality, reliability and our exceptional performance standards. Balboa Water Group is proud to offer:



Personal Touch

We offer special customizations to create unique product looks and offerings to set our customers apart from the competition. Please call to inquire.



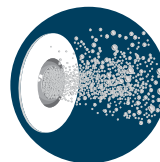
All in one kit

We offer specialized bundling capabilities that include everything our customers need for one bath all packed in one box.



Sales Support

Balboa Water Group is proud to offer an ongoing relationship between the OEMS and our customers where services are rendered throughout the product life cycle until the end of life. Our support includes warranty, upgrades and repair services.



Standard Product Offerings

We offer a wide range of products in chrome and various other colors, in both metric and imperial. Please call to inquire.

Your Single Source Solution.

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spaTouch™

The all NEW touchscreen panel.

Your phone, car, microwave, thermostat all have them and now your tub does! Almost all new electronic devices today have touch screen interfaces. Now with Balboa's SpaTouch™, your tub can have one too!

See pages: pg. 11.



bwa™

Control Your Tub - Anytime, Anywhere, Anyplace

Download the free app and get connected.

See pages: pg. 13



PLUG N' CLICK HEATER

Easy to Remove and Install

No need to deal with heater straps, screws, wrenches, or broken copper straps. All you need to do is plug-and-click and you're done!

See pages: pg. 15.



bba™

Balboa Bluetooth Audio

Listen to your favorite tunes from your smart device and control it from the convenience of easy to use menus

See pages: pg. 17.

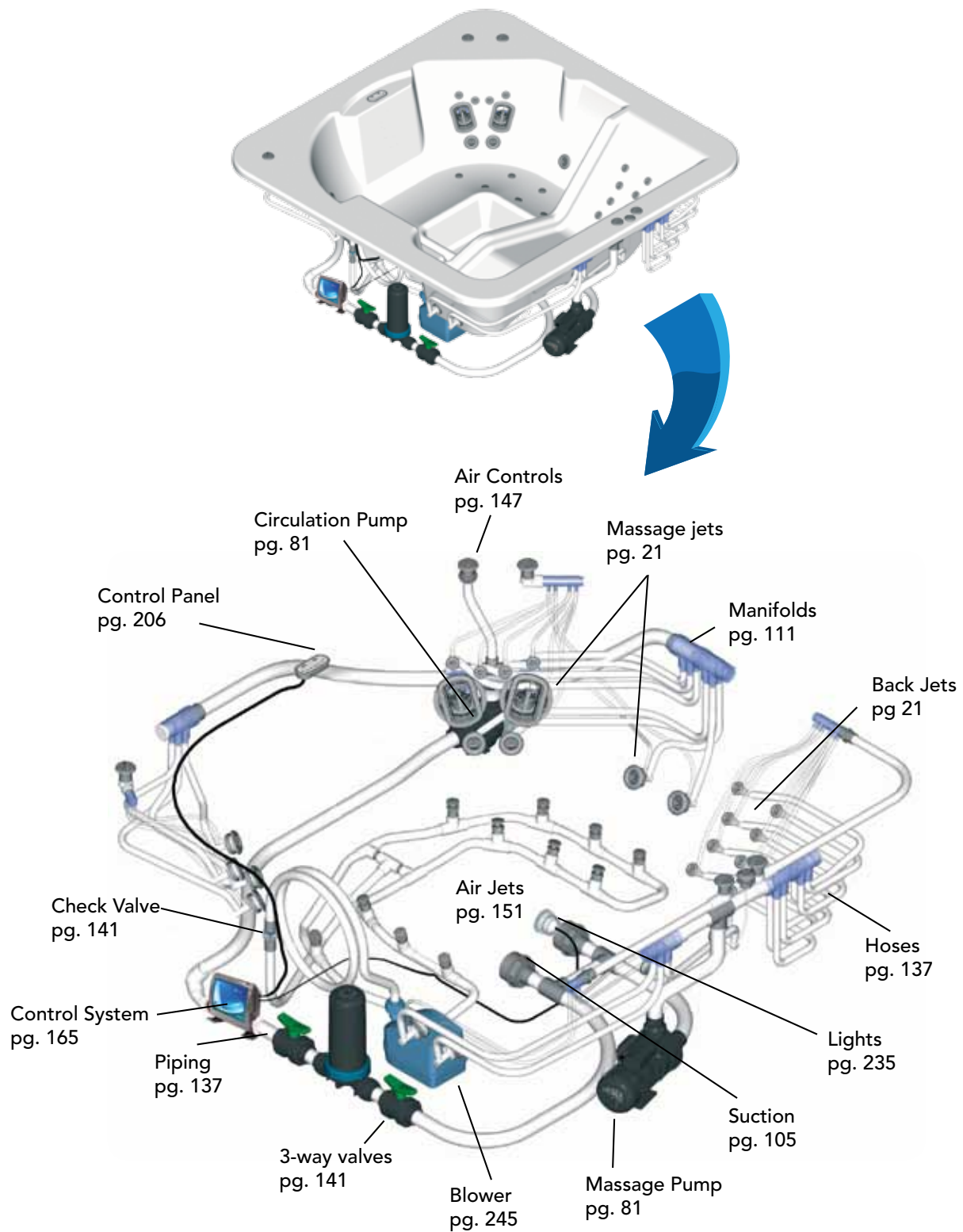


Spa Systems

The latest in spa systems!

The NEW BP2000/2100 and BP500/601 systems designed by our Engineer to produce a much more efficient, reliable and smart system. All systems are flame retardant and Wi-Fi Enabled.

See pages: pg 165



Note: This is a general over view of the spa product placements.
All product placement varies depending on the spa manufacturer.

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Introducing the NEW

spaTouch™

ALL NEW DESIGN LOOK AND FEEL

NEW



spaTouch™

The all NEW touchscreen panel

Your phone, car, microwave, thermostat all have them and now your tub does! Almost all new electronic devices today have touch screen interfaces. Now with Balboa's SpaTouch™, your tub can have one too!

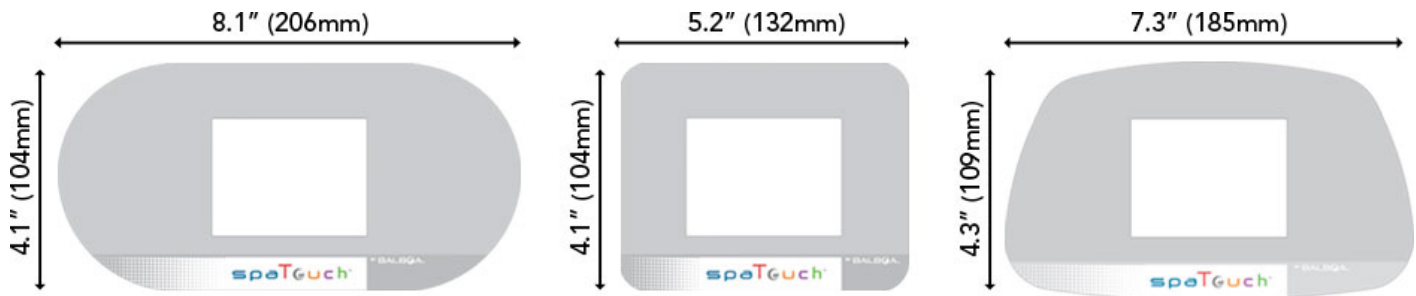
Based on Balboa's patented touch panel technology, the new SpaTouch™ is the next breakthrough in ease of operation for hot tubs. The intuitive screens make controlling your tub a breeze!

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Top 50 Products for 2014 by readers of Pool & Spa News

Your phones, car, microwave, thermostat all have them, Now Your Tub Does! Almost all new electronic devices today have touch screen interfaces.

Now with Balboa's spaTouch™, your tub can have one too! Based on Balboa's patented touch panel technology, the new spaTouch panel is the next breakthrough in ease of operation for hot tubs. Its intuitive screens make controlling your tub a breeze.



spaTouch™ Control Panels (New Version)

Material No.	Product Descriptions
50584	Panel Balboa spaTouch™ Trapezoid no Overlay
50585	Panel Balboa spaTouch™ Trapezoid with Overlay
50586	Panel Balboa spaTouch™ Square no Overlay
50587	Panel Balboa spaTouch™ Square with Overlay
50588	Panel Balboa spaTouch™ Oval no Overlay
50589	Panel Balboa spaTouch™ Oval with Overlay



spaTouch™ Control Panels (First Version)

Material No.	Product Descriptions
50390	PANEL BALBOA spaTouch™ TRAPEZOID with Overlay 12966
50391	PANEL BALBOA spaTouch™ TRAPEZOID NO Overlay
50401	PANEL BALBOA spaTouch™ SQUARE
50402	PANEL BALBOA spaTouch™ SQUARE NO Overlay
50403	PANEL BALBOA spaTouch™ OVAL
50404	PANEL BALBOA spaTouch™ OVAL NO Overlay

bwa™ CONTROL YOUR TUB
AnytimeAnywhereAnyplace



CONTROL YOUR SPA

In Your Backyard • In Your House • In Your Office • Any Wi-Fi Hotspot • Any 3G/4G Data Network



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Easy to Remove and Install - PLUG N' CLICK HEATER

NEW

OLD



NEW



Announcing Balboa's NEW Plug N' Click Heater

No need to deal with heater straps, screws, wrenches, or broken copper straps. All you need to do is plug-and-click and you're done!



Plug N' Click Heater - Simple As 1-2-3



Step 1

Remove the 2 screws holding the heater system cover in place.



Step 2

Locate the heater power connector (J46).

Note: Your heater connector may be located in a different location if you have a different system shown above.



Step 3

Plug N' Click the heater power back in when you are done.

Available For All BP Systsems

Material No.	Product Descriptions
58300	Replacement Heater Assembly 3.0kW 800 Inc BP
58301	Replacement Heater Assembly 3.0kW 825 Inc BP
58302	Replacement Heater Assembly 3.0kW Titanium BP
58303	Replacement Heater Assembly 4.0kW 800 Inc BP
58304	Replacement Heater Assembly 4.0kW 825 Inc BP
58305	Replacement Heater Assembly 4.0kW Titanium BP
58306	Replacement Heater Assembly 5.5kW 800 Inc BP
58307	Replacement Heater Assembly 5.5kW 825 Inc BP
58308	Replacement Heater Assembly 5.5kW Titanium BP

Available For Non BP Systsems

Includes adapter kit for connection to circuit board

Material No.	Product Descriptions	Replaces
58279	Replacement Heater 3.0kW 800 Inc VS/GS/EL/GL	58118
58275	Replacement Heater 3.0kW 825 Inc VS/GS/EL/GL	58107
58277	Replacement Heater 3.0kW Titanium VS/GS/EL/GL	55626
58280	Replacement Heater 4.0kW 800 Inc VS/GS/EL/GL	58104
58276	Replacement Heater 4.0kW 825 Inc VS/GS/EL/GL	58117
58281	Replacement Heater 4.0kW Titanium VS/GS/EL/GL	55625
58282	Replacement Heater 5.5kW 800 Inc VS/GS/EL/GL	58083
58283	Replacement Heater 5.5kW 825 Inc VS/GS/EL/GL	58089
58278	Replacement Heater 5.5kW Titanium VS/GS/EL/GL	55624

Menu

NEW



bba™

Balboa Bluetooth Audio (Amp)

- Fully integrated with BP series controls
- Controlled by TP800/TP900 Panel
- Powers up to (8) 4ohm speakers
- Dedicated Subwoofer gain level control
- Water resistant design for spa use



Made in the USA

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Listen to your favorite tunes via Bluetooth connection from your smart device!

CD/DVD players, wired connections, stereos are hot tub entertainment options that have are outdated. Today's users prefer to listen to their own playlists that are stored on their smart devices (iPhone, Androids, Tablets, etc.). Hard wired connection using Apples proprietary connector or a jack from the headphone output is inconvenient and requires OEMs to install waterproof cubby holes in the skirt to house them. Users find it hard to switch music and access alternative songs.



Technical Overview

The bba™ is a four channel, 120 Watts RMS Bluetooth wireless audio amplifier capable of delivering up to 30W RMS per channel. It has a compact, water resistant design that allows for flexible mounting possibilities. It is integrated into the BP systems and can be controlled via your smart device or a TP800 / TP900 / BPTouch™ panel.

System Specifications

- Speaker Impedance - 2-8 ohm
- Output Power
 - (2 ohm load) 30 Watts RMS per Channel (70W Peak)
 - (4 ohm load) 20 Watts RMS per Channel (50W Peak)
- Frequency Response - 20Hz-40kHz
- Low Pass Crossover- - 18 - 245 Hz
- Operating Voltage- - 13.8V DC (10V-16V)
- Maximum Current Draw (full power) - 5-8 amps
- Amp Dimensions (approx. l x w x h) - 214mm x 106mm x 35mm 8.4" x 4.2" x 1.4"
- Installation Clearance - 250mm free space top/sides
- Weight .68Kg /1.5lbs
- Control pad Cable Length - 610 cm/240 inches/20 feet
- Spa Lights Controls: 1 Amp Max



Material No. 59019

Installation Overview



Note: All accessories sold separately.

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MICROSILK®

Your Reflection in the Past

Just Twenty Minutes a Day

NEW

MICROSILK®

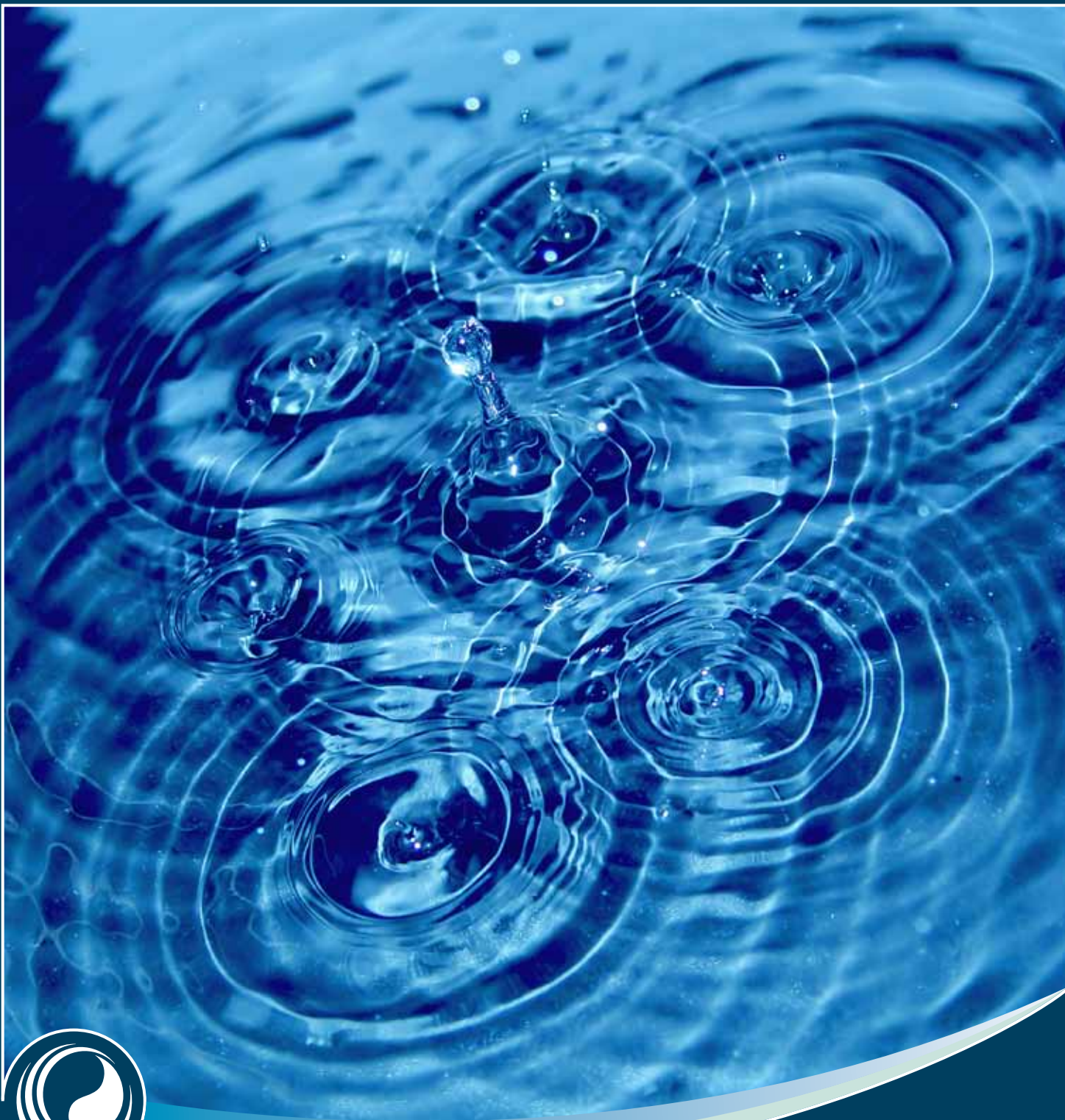
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SpaJets
Your Single Source Solution

Made in the USA

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Dress up your tub with proven technology and add show room bling to help sell hot tubs. Other components such as filters and water features can be made in clear to blend in with the look.



Pearl Essence Pismo Jets

2" PISMO ESC PEARL IVORY	943002-XX*
2" SS PISMO DIRECT FLOW	982300-XX*
2" SS PISMO DIRECTIONAL	982301-XX*
3" SS PISMO DIRECTIONAL	983300-XX*
3" SS PISMO SWIRL METAL	983301-XX*
3" SS PISMO PIN SPIN	983304-XX*
3" SS PISMO NECK JET CLEAR EYEBALL	983305-XX*
3.5" SS PISMO DIRECTIONAL	983530-XX*
3.5" SS PISMO SWIRL	983531-XX*
3.5" SS PISMO PIN SPIN	983534-XX*
5" SS PISMO DIRECTIONAL	985300-XX*
5" SS PISMO SWIRL	985301-XX*
5" SS PISMO PIN SPIN	985304-XX*



Pearl Essence Venice Jets

2" SS VENICE DIRECTIONAL	982501-XX*
3" SS VENICE DIRECTIONAL	983500-XX*
3" SS VENICE SWIRL	983501-XX*
3.5" SS VENICE DIRECTIONAL	9835500-XX*
3.5" SS VENICE SWIRL	9835501-XX*
5" SS VENICE DIRECTIONAL	985500-XX*
5" SS VENICE SWIRL	985501-XX*

* Replace XX with the corresponding jet color before placing your order. Example if you like to order jet 982301-XX. Replace the XX with PIV for Ivory Pearl.

Additional Available Colors



Ivory Pearl = PIV



Sky Blue= PSB



Mahogany = MG



Silver Pearl = PSL



Java Pearl = PJV



Red Pearl = PRD

For more information about our Pearl Essence jets please call our customer service 714.384.0384.

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Balboa's jets have soothed and relaxed the world for years. Our pioneering jets have come in many designs that were created to stimulate your senses in different ways. Now add light! Balboa's new Light Up Jets will change your experience of what relaxation in a spa really means.



Jet Bodies:

- 2" Clear Jet Body (947600-CL)
- Clear Jet Body 3/8" Barb x 3/4" Barb
- 3" Clear Jet Body (90094800-CL)
- Clear Body 3/8" Barb x 3/4 Barb
- 3.5" Clear Jet Body (985900-CL)
- Clear Jet Body 3/8" Barb x 3/4" Barb
- 5" Clear Jet Body (47970000-CL)
- Clear Jet Body 3/8" Barb x 3/4" Barb

Venice Jets	
2" LIGHT UP VENICE DIRECT FLOW	902500-XX*
2" LIGHT UP VENICE DIRECTIONAL	902501-XX*
3.5" LIGHT UP VENICE DIRECTIONAL	9035500-XX*
3.5" LIGHT UP VENICE PIN SPIN	9035504-XX*
3.5" LIGHT UP VENICE PULSATOR	9035502-XX*
3.5" LIGHT UP VENICE SWIRL	9035501-XX*
3" LIGHT UP VENICE DIRECTIONAL	903500-XX*
3" LIGHT UP VENICE PIN SPIN	903504-XX*
3" LIGHT UP VENICE PULSATOR	903502-XX*
3" LIGHT UP VENICE SWIRL	903501-XX*
5" LIGHT UP VENICE DIRECTIONAL	905500-XX*
5" LIGHT UP VENICE PIN SPIN	905504-XX*
5" LIGHT UP VENICE PULSATOR	905502-XX*
5" LIGHT UP VENICE SWIRL	905501-XX*
5" LIGHT UP VENICE TWIN SPIN	905503-XX*



Jet Bodies:

- 3" Clear Jet Body (90094800-CL)
- Clear Body 3/8" Barb x 3/4 Barb
- 3.5" Clear Jet Body (985900-CL)
- Clear Jet Body 3/8" Barb x 3/4" Barb
- 5" Clear Jet Body (47970000-CL)
- Clear Jet Body 3/8" Barb x 3/4" Barb

Pismo Jets	
3.5" SS LIGHT UP PISMO DIRECTIONAL	983530-XX*
3.5" SS LIGHT UP PISMO PIN SPIN	983534-XX*
3.5" SS LIGHT UP PISMO SWIRL	983531-XX*
3.5" LIGHT UP PISMO DIRECTIONAL	903530-XX*
3.5" LIGHT UP PISMO PIN SPIN	903534-XX*
3.5" LIGHT UP PISMO SWIRL	903531-XX*
3" LIGHT UP PISMO PIN SPIN	903304-XX*
3" LIGHT UP PISMO SWIRL	903301-XX*
3" SS LIGHT UP PISMO NECK JET CLR EYEBALL	983305-XX*
3" SS LIGHT UP PISMO PIN SPIN	983304-XX*
3" SS LIGHT UP PISMO SWIRL	983301-XX*
3" LIGHT UP MCYII NECK JET CLR EYEBALL	903305-XX*
5" SS LIGHT UP PISMO DIRECTIONAL	985300-XX*
5" SS LIGHT UP PISMO PIN SPIN	985304-XX*
5" SS LIGHT UP PISMO SCYC DIRECTIONAL	985307-XX*
5" SS LIGHT UP PISMO SWIRL	985301-XX*
5" LIGHT UP PISMO DIRECTIONAL	905300-XX*
5" LIGHT UP PISMO PIN SPIN	905304-XX*
5" LIGHT UP PISMO SUPER CYC DIRECTIONAL	905307-XX*
5" LIGHT UP PISMO SWIRL	905301-XX*

* = XX represents the different jet colors. Replace XX with the correct jet color before ordering. See all the colors at www.balboawater.com/color-codes. Minimum quantity required please contact Balboa Water for more details.

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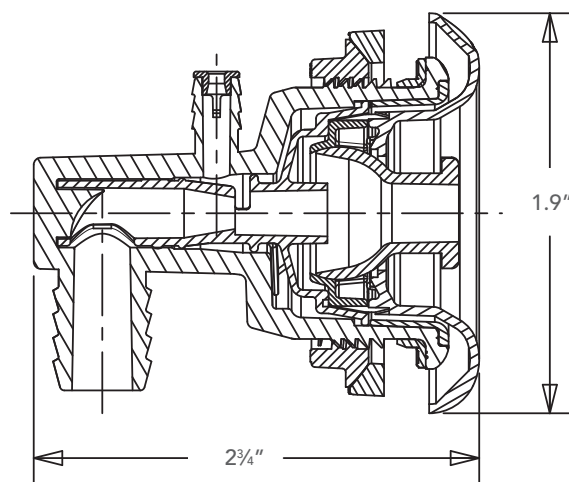
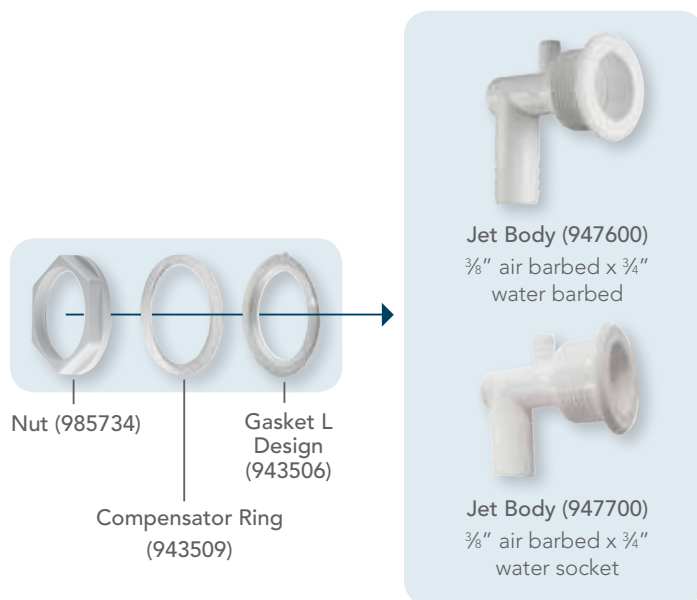
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Fitting Structure

Hole Sizes



Hole Size: 1 1/2" L Gasket
Torque Foot Pound: 5
GPM: 6.5 @ 15 PSI
Orifice: .25 (1/4")

Spa Jets

2" Pismo Jets - Stainless Steel Over Plastic

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2" Fixed Stainless Steel
Over Plastic Jet (982300-XX)



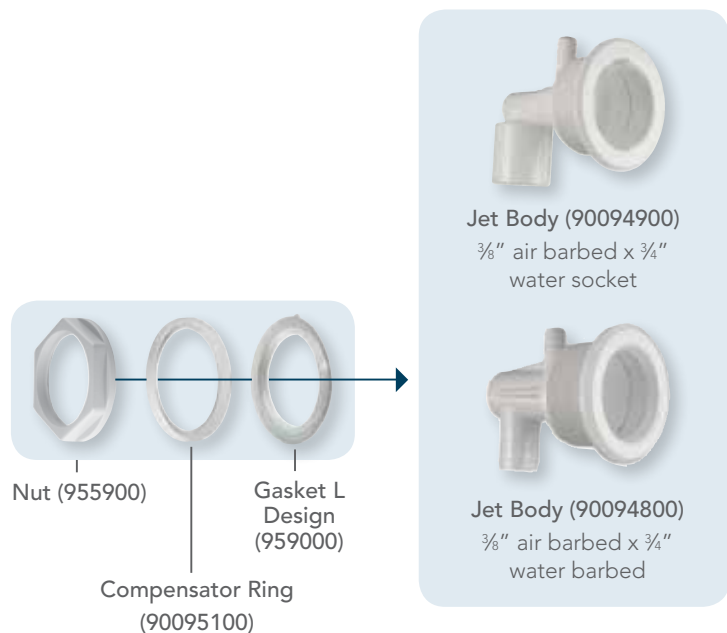
2" Directional Stainless Steel
Over Plastic Jet (982301-XX)



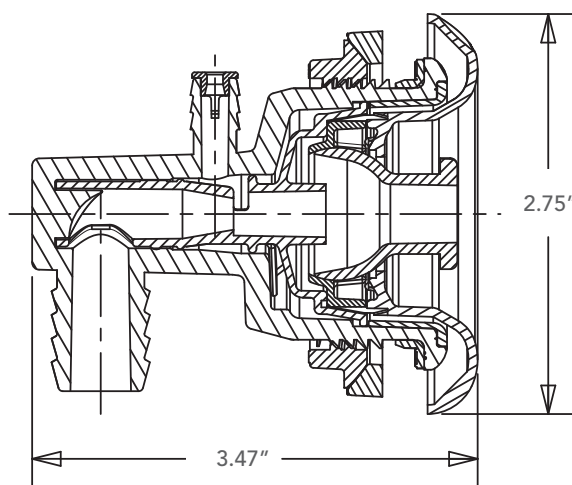
2" Swirl Stainless Steel
Over Plastic Jet (982302-XX)



Fitting Structure



Hole Sizes



Hole Size: 2.125" L Gasket
Torque Foot Pound: 9-11
GPM: 9½ @ 15 PSI
Orifice: .28 (7/32")

Spa Jets

3.5" Pismo Jets - Stainless Steel Over Plastic



3" Directional Stainless Steel Over Plastic Jet (983300-XX)



3" Swirl Stainless Steel Over Plastic Jet (983301-XX)



3" Pulsator Stainless Steel Over Plastic Jet (983302-XX)



3" Twin Spin Stainless Steel Over Plastic Jet (983303-XX)

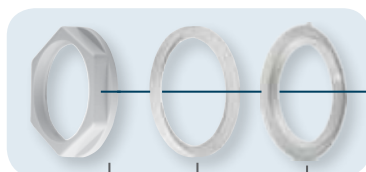


3" Pin Spin Stainless Steel Over Plastic Jet (983304-XX)

3 Inch Neck Jet



3" Neck Jet Stain Steel Over Plastic (983305-XX)



Nut (955900)
Gasket L Design (959000)
Compensator Ring (90095100)



Jet Body (90095500)
Clear Jet 3/4" water barb

Available Colors

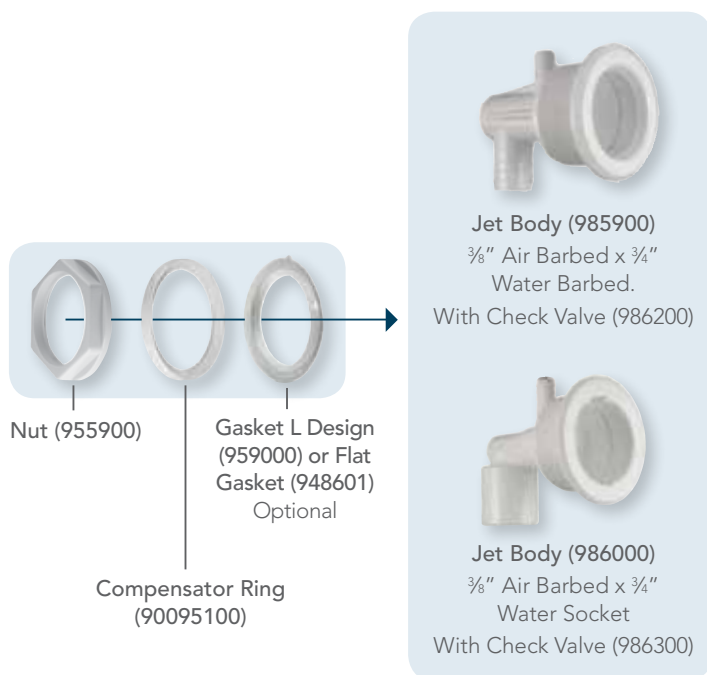


Note: Replace XX with the corresponding color before ordering.

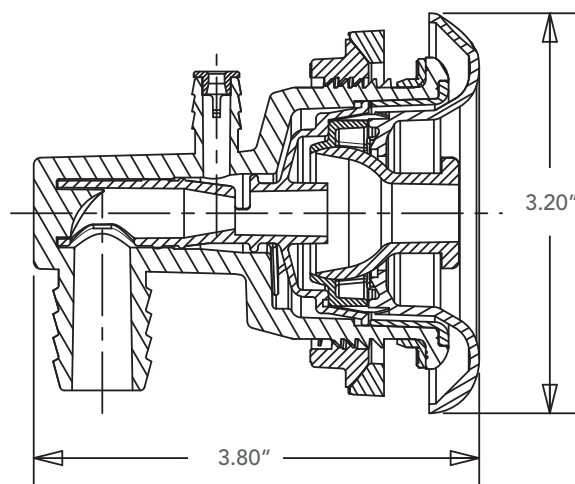
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Fitting Structure



Hole Sizes



Hole Size: 2.56" L Gasket or 2.5" Flat Gasket

Torque Foot Pound: 15-18

GPM: 12 @ 15 PSI

Orifice: .38 (3/8")

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Spa Jets

3.5" Pismo Jets - Stainless Steel Over Plastic

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3.5" Directional Stainless Steel
Over Plastic Jet (983530-XX)



3.5" Swirl Stainless Steel
Over Plastic Jet (983531-XX)



3.5" Pulsator Stainless Steel
Over Plastic Jet (983532-XX)



3.5" Twin Spin Stainless Steel
Over Plastic Jet (983533-XX)



3.5" Pin Spin Stainless Steel
Over Plastic Jet (983534-XX)

Available Colors



BK = Black



CG = Grey



MG = Metallic Grey



WH = White

Note: Replace XX with the corresponding color before ordering.

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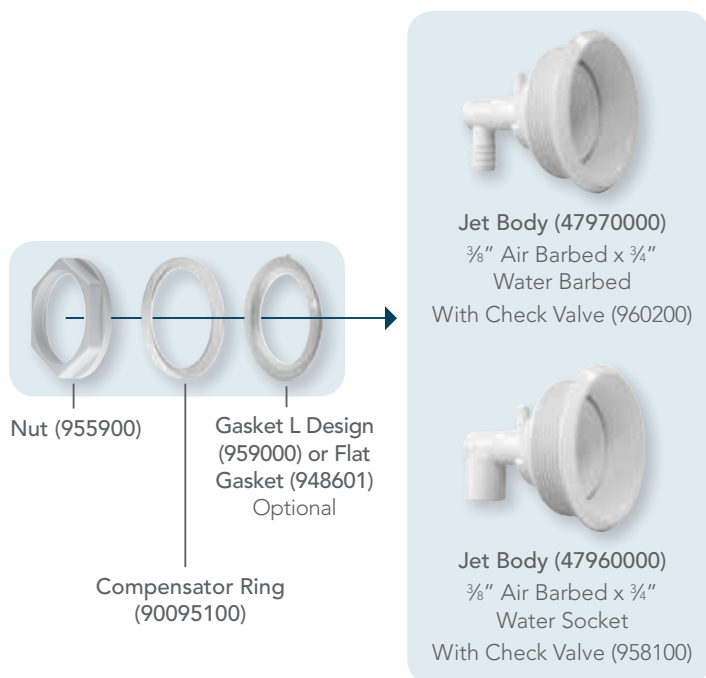
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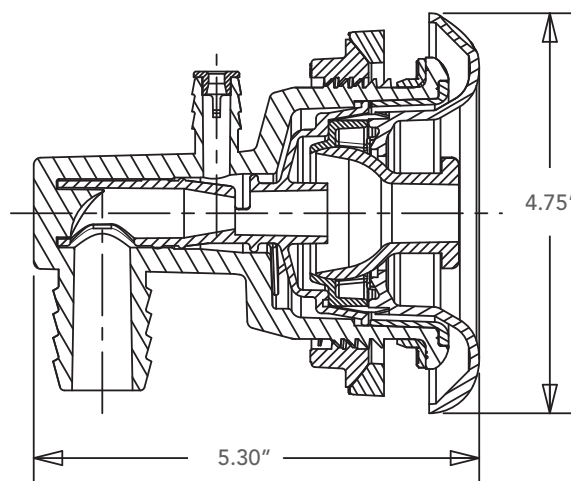
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Fitting Structure



Hole Sizes



Hole Size: 3.75" Flat Gasket or 3.90" L Gasket
Torque Foot Pound: 28
GPM: 16 @ 15 PSI
Orifice: .38 (3/8")

Spa Jets

5" Pismo Jets - Stainless Steel Over Plastic

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5" Directional Stainless Steel Over Plastic Jet (985300-XX)



5" Swirl Stainless Steel Over Plastic Jet (985301-XX)



5" Pulsator Stainless Steel Over Plastic Jet (985302-XX)



5" Twin Spin Stainless Steel Over Plastic Jet (985303-XX)



5" Pin Spin Stainless Steel Over Plastic Jet (985304-XX)



5" Round Shower Head Stainless Steel Over Plastic Jet (985305-XX)



5" Oval Shower Head Spin Stainless Steel Over Plastic Jet (985306-XX)

Available Colors



BK = Black



CG = Grey



MG = Metallic Grey



WH = White

Note: Replace XX with the corresponding color before ordering.

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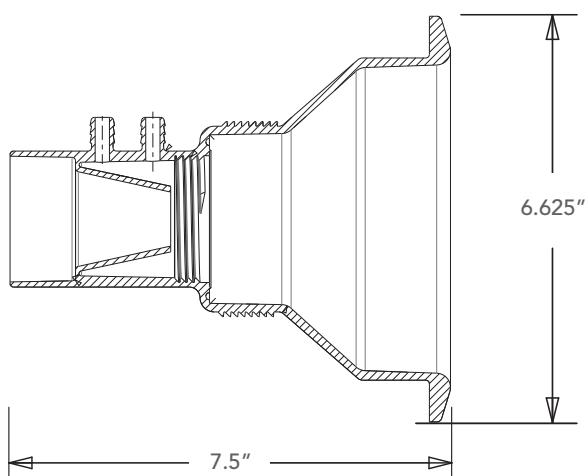
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7" Round Ultra Blaster
Stainless Steel Over
Plastic Jet (287701-XX)
Round Ultra Blaster jet nozzle

Hole Sizes



Hole Size: 6"
Torque Foot Pound: 20

Available Colors

	BK = Black
	CG = Grey
	MG = Metallic Grey
	WH = White

Note: Replace XX with the corresponding color before ordering.

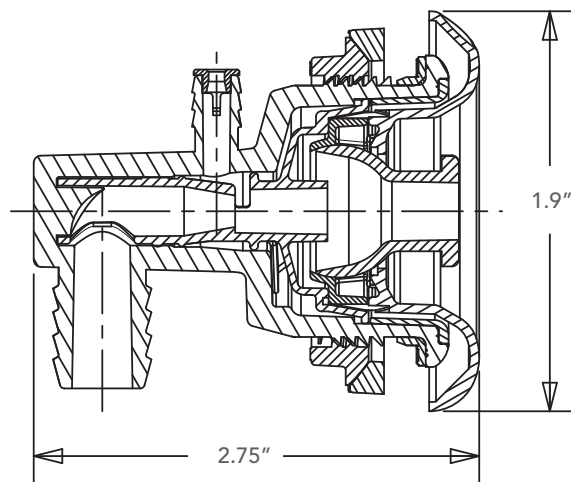
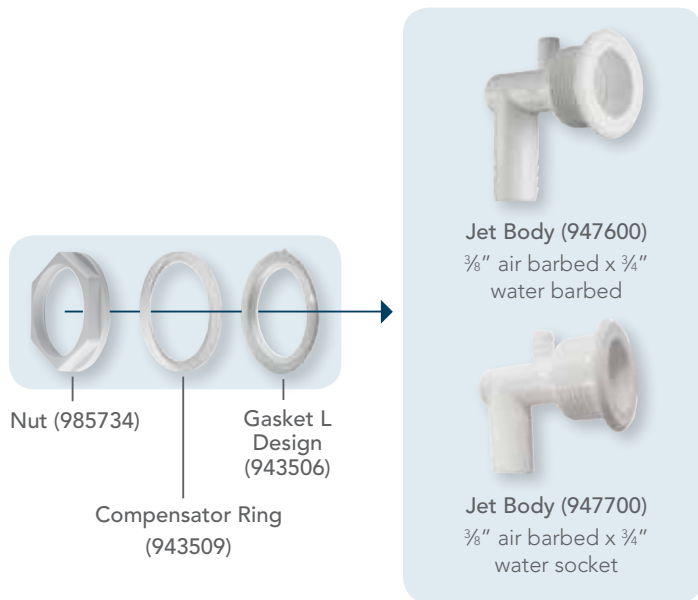
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water group

[illegible]



Fitting Structure

Hole Sizes



Hole Size: 1½" L Gasket

Torque Foot Pound: 5

GPM: 6.5 @ 15 PSI

Orifice: .25 (¼")

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Spa Catalog | 37

Spa Jets

2" Venice Jets - Plastic Over Stainless Steel



2" Fixed Plastic Over Stainless Steel Jet (982500-XX)



2" Directional Plastic Over Stainless Steel Jet (982501-XX)



2" Swirl Plastic Over Stainless Steel Jet (982502-XX)

Available Colors

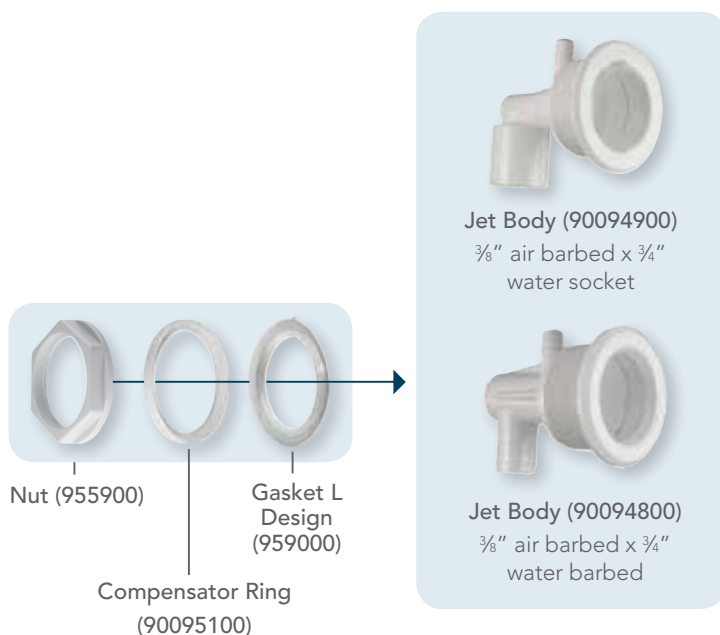
BK = Black
 CG = Grey
 MG = Metallic Grey
 WH = White

Note: Replace XX with the corresponding color before ordering.

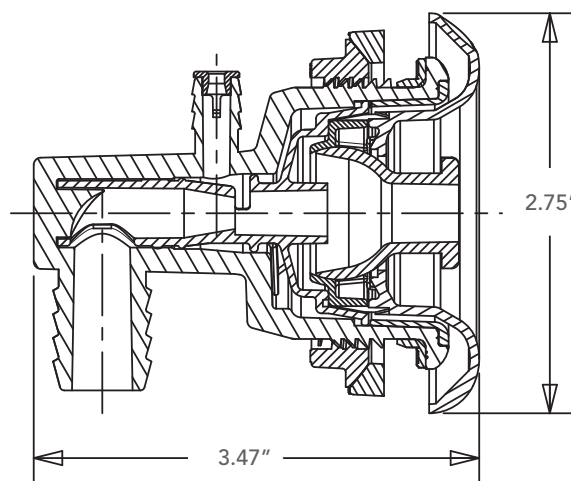
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Fitting Structure



Hole Sizes



Hole Size: 2.125" L Gasket

Torque Foot Pound: 9-11

GPM: 9½ @ 15 PSI

Orifice: .28 (9/32")

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Spa Catalog | 39

Spa Jets

3" Venice Jets - Plastic Over Stainless Steel



3" Directional Plastic Over Stainless Steel Jet (983500-XX)



3" Swirl Plastic Over Stainless Steel Jet (983501-XX)



3" Pulsator Plastic Over Stainless Steel Over (983502-XX)



3" Twin Spin Plastic Over Stainless Steel Jet (983503-XX)



3" Pin Spin Plastic Over Stainless Steel Jet (983504-XX)

3 Inch Neck Jet



3" Neck Jet Plastic Over Stainless Steel (983505-XX)



Nut (955900)
Gasket L Design (959000)
Compensator Ring (90095100)



Jet Body (90095500)
Clear Jet 3/4" water barb

Available Colors

BK = Black
 CG = Grey
 MG = Metallic Grey
 WH = White

Note: Replace XX with the corresponding color before ordering.

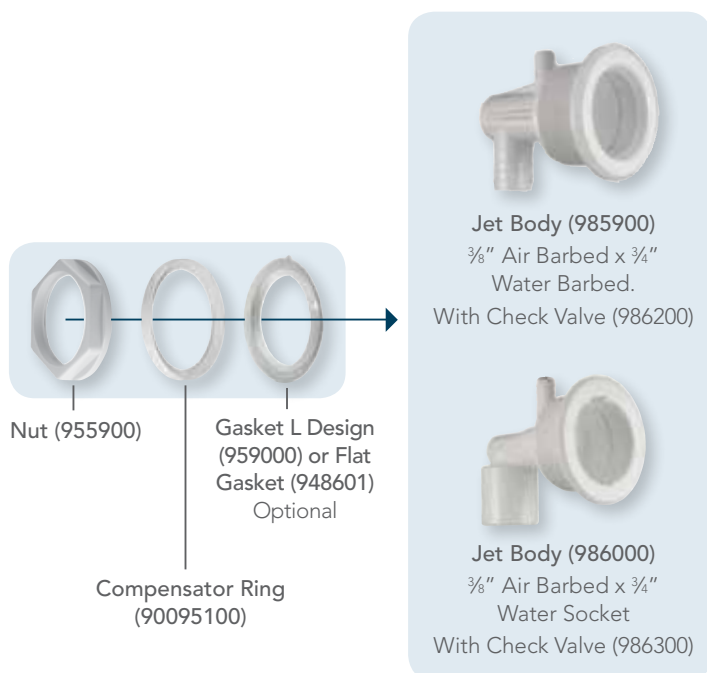
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Spa Catalog | 40

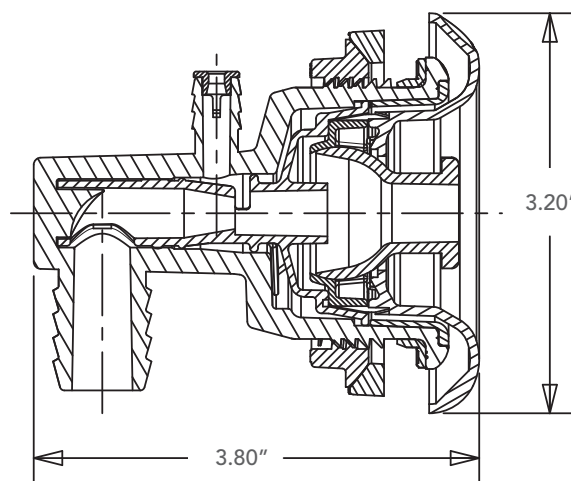
Your Single Source Solution.
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p 714.384.0384 | f 714.384.0385



Fitting Structure



Hole Sizes



Hole Size: 2.56" L Gasket or 2.5" Flat Gasket

Torque Foot Pound: 15-18

GPM: 12 @ 15 PSI

Orifice: .38 (3/8")

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Spa Catalog | 41

Spa Jets

3.5" Venice Jets - Plastic Over Stainless Steel



3.5" Directional Plastic Over
Stainless Steel Jet (9835500-XX)



3.5" Swirl Plastic Over Stainless
Steel Jet (9835501-XX)



3.5" Pulsator Plastic Over
Stainless Steel Over (9835502-XX)



3.5" Twin Spin Plastic Over
Stainless Steel Jet (9835503-XX)



3.5" Pin Spin Plastic Over
Stainless Steel Jet (9835504-XX)

Available Colors



BK = Black



CG = Grey



MG = Metallic Grey



WH = White

Note: Replace XX with the corresponding color before ordering.

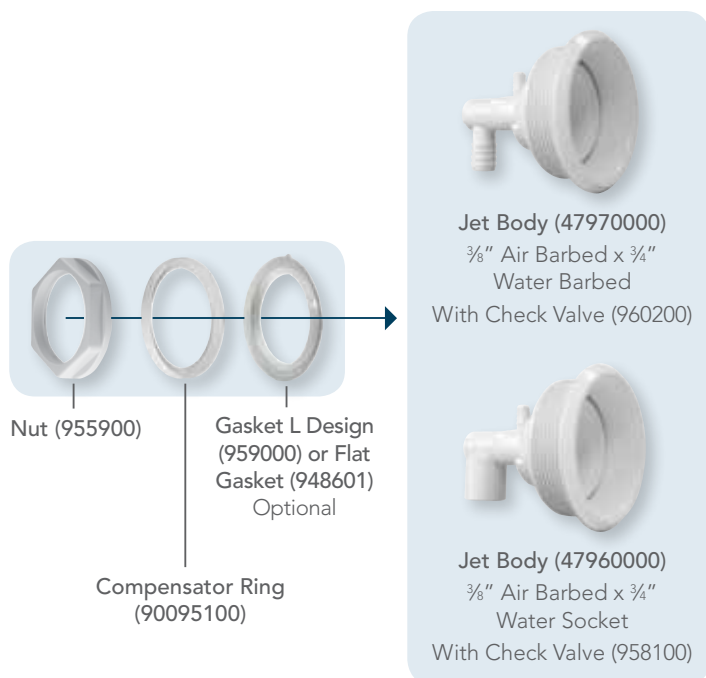
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Your Single Source Solution.

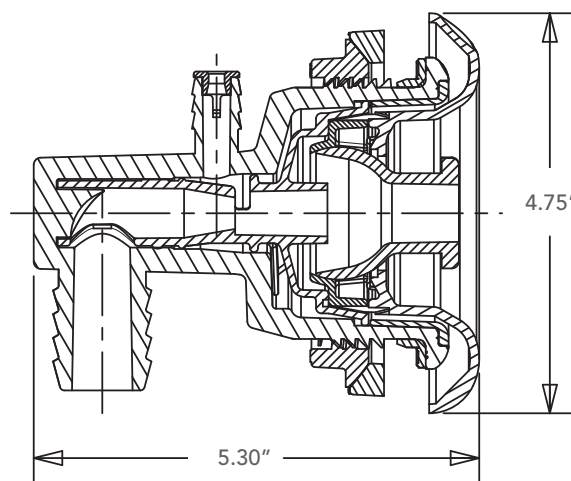
We reserve the right to change technical data without further notice.



Fitting Structure



Hole Sizes



Hole Size: 3.75" Flat Gasket or 3.90" L Gasket
Torque Foot Pound: 28
GPM: 16 @ 15 PSI
Orifice: .38 (3/8")

Spa Jets

5" Venice Jets - Plastic Over Stainless Steel

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5" Directional Plastic Over
Stainless Steel Jet (985500-XX)



5" Swirl Plastic Over Stainless
Steel Jet (985501-XX)



5" Pulsator Plastic Over
Stainless Steel Over (985502-XX)



5" Twin Spin Plastic Over
Stainless Steel Jet (985503-XX)



5" Pin Spin Plastic Over
Stainless Steel Jet (985504-XX)



5" Pin Spin Plastic Over
Stainless Steel Jet (985505-XX)



5" Twin Spin Plastic Over
Stainless Steel Jet (985506-XX)

Available Colors



BK = Black



CG = Grey



MG = Metallic Grey



WH = White

Note: Replace XX with the corresponding color before ordering.

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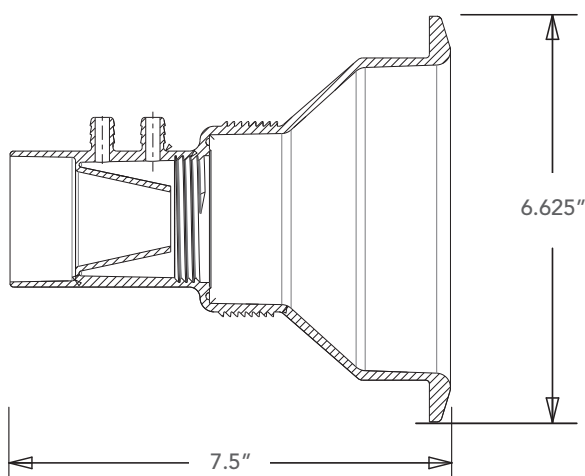
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p 714.384.0384 | f 714.384.0385







Round Ultra Blaster Plastic Over
Stainless Steel Jet (287705-XX)
Round Ultra Blaster jet nozzle

Hole Sizes



Hole Size: 6"
Torque Foot Pound: 20

Available Colors

	BK = Black
	CG = Grey
	MG = Metallic Grey
	WH = White

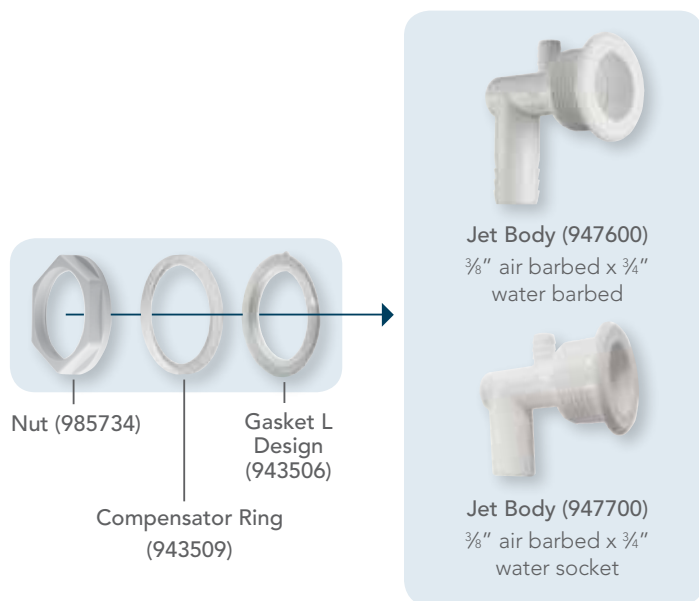
Note: Replace XX with the corresponding color before ordering.

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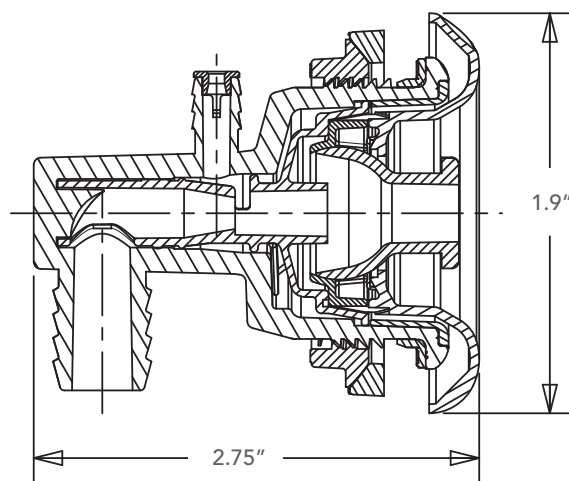
[illegible]



Fitting Structure



Hole Sizes



Hole Size: 1 1/2" L Gasket

Torque Foot Pound: 5

GPM: 6.5 @ 15 PSI

Orifice: .25 (1/4")

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Spa Jets

2" Laguna Jets - Stainless Steel

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2" Fixed Stainless
Steel Jet (940140YYY)



2" Directional Stainless
Steel Jet (940136YYY)



2" Swirl Stainless
Steel Jet (940815YYY)

Available Colors

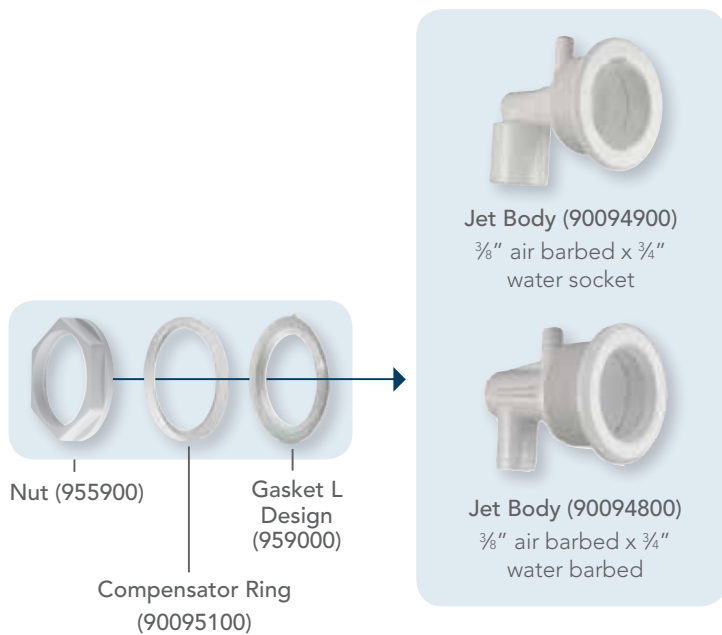
11 = Black
 WW = Grey
 MG = Metallic Grey
 35 = Light Grey
 001 = White

Note: Replace YYY with the corresponding color before ordering.

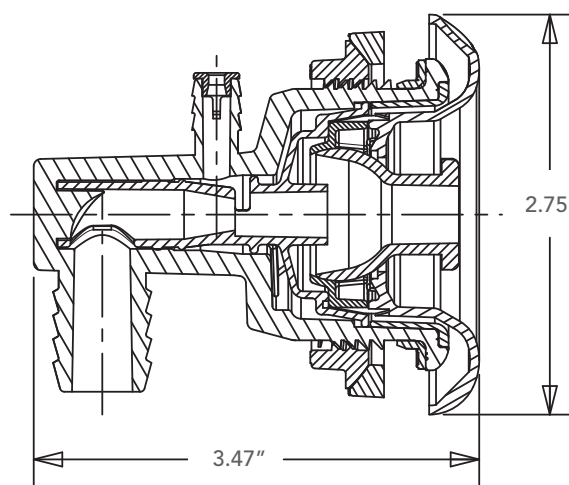
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Fitting Structure



Hole Sizes



Hole Size: 2.125" L Gasket
Torque Foot Pound: 9-11
GPM: 9½ @ 15 PSI
Orifice: .28 ($\frac{9}{32}$ ")

Spa Jets

3" Laguna Jets - Stainless Steel

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3" Swirl Stainless Steel Jet (901080YYY)



3" Twin Spin Stainless Steel Jet (901072YYY)



3" Pulsator Stainless Steel Jet (901064YYY)



3" Directional Stainless Steel Jet (901056YYY)



3" Pin Spin Stainless Steel Jet (901048YYY)

Available Colors

11 = Black
 WW = Grey
 MG = Metallic Grey
 35 = Light Grey
 001 = White

Note: Replace YYY with the corresponding color before ordering.

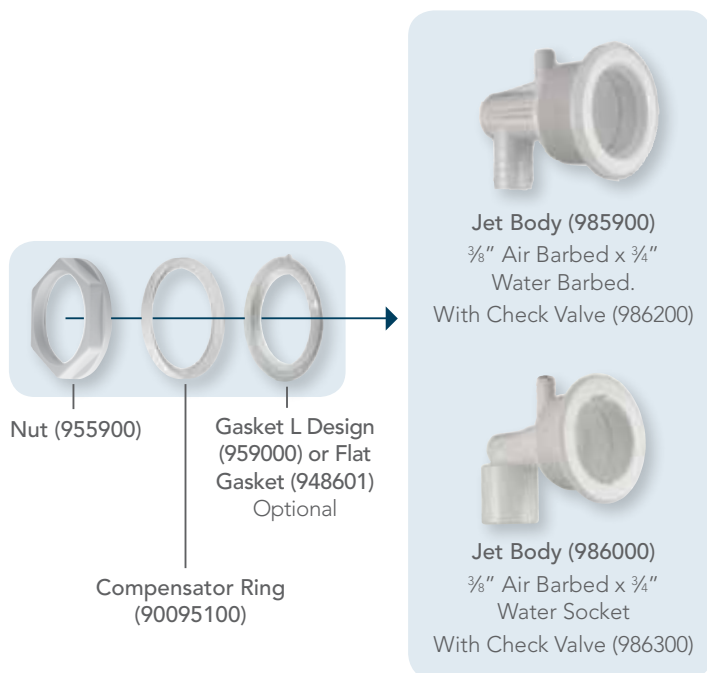
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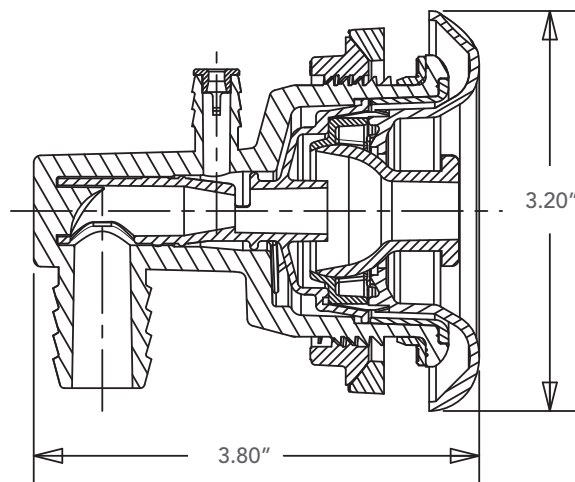
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p 714.384.0384 | f 714.384.0385



Fitting Structure



Hole Sizes



Hole Size: 2.56" L Gasket or 2.5" Flat Gasket

Torque Foot Pound: 15-18

GPM: 12 @ 15 PSI

Orifice: .38 (3/8")

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Spa Jets

3.5" Laguna Jets - Stainless Steel

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3.5" Swirl Stainless Steel Jet (940133YYY)



3.5" Pulsator Stainless Steel Jet (900819YYY)



3.5" Directional Stainless Steel Jet (940138YYY)



3.5" Pin Spin Stainless Steel Jet (901104YYY)



3.5" Twin Spin Stainless Steel Jet (901096YYY)

Available Colors

11 = Black
 WW = Grey
 MG = Metallic Grey
 35 = Light Grey
 001 = White

Note: Replace YYY with the corresponding color before ordering.

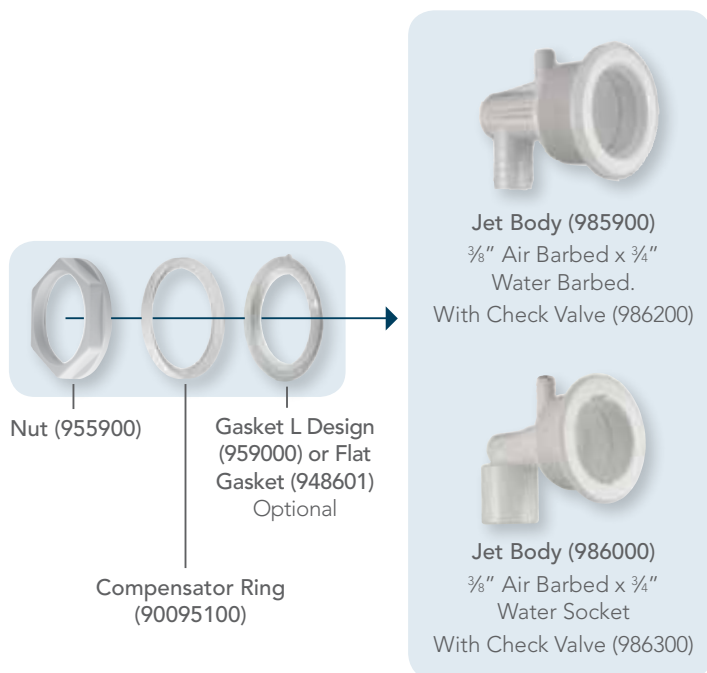
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Spa Catalog | 52

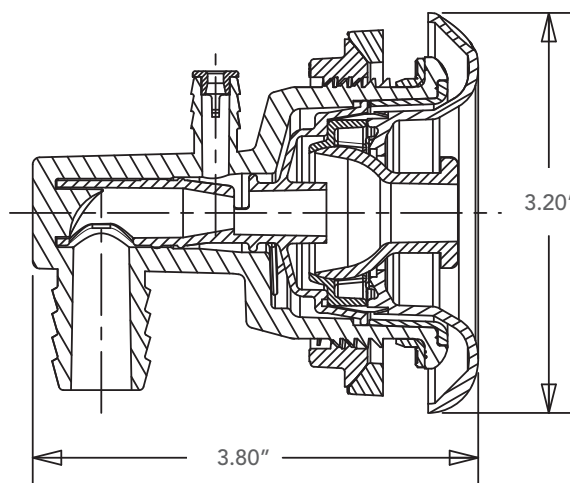
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p 714.384.0384 | f 714.384.0385



Fitting Structure



Hole Sizes



Hole Size: 2.56" L Gasket or 2.5" Flat Gasket

Torque Foot Pound: 15-18

GPM: 12 @ 15 PSI

Orifice: .38 (3/8")

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Spa Jets

4" Laguna Jets - Stainless Steel

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4" Swirl Stainless
Steel Jet (940132YYY)



4" Pulsator Stainless
Steel Jet (900820YYY)



4" Directional Stainless
Steel Jet (940139YYY)

Available Colors

11 = Black
 WW = Grey
 MG = Metallic Grey
 35 = Light Grey
 001 = White

Note: Replace YYY with the corresponding color before ordering.

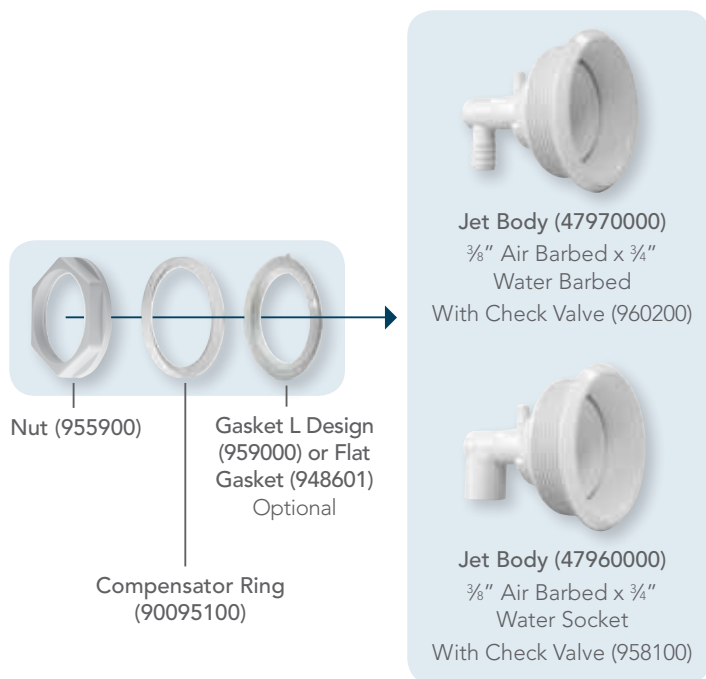
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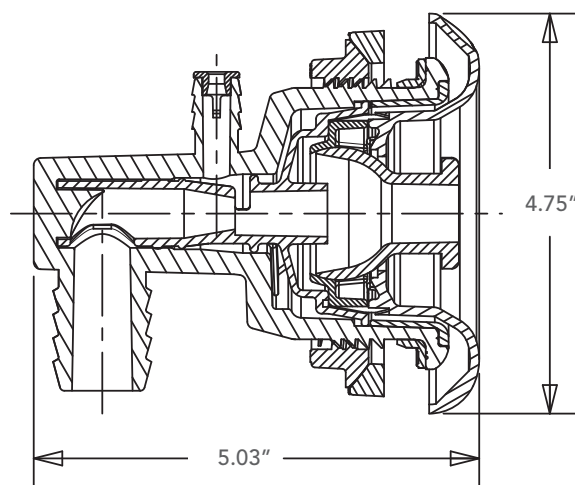
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Fitting Structure



Hole Sizes



Hole Size: 3.75" Flat Gasket or 3.90" L Gasket
Torque Foot Pound: 28
GPM: 16 @ 15 PSI
Orifice: .38 (3/8")

Spa Jets

5" Laguna Jets - Stainless Steel

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5" Swirl Stainless Steel Jet (900118YYY)



5" Twin Spin Stainless Steel Jet (900121YYY)



5" Pulsator Stainless Steel Jet (900120YYY)



5" Waterfall Stainless Steel Jet (900205YYY)
Go to pg. 65 to see the jet bodies



5" Round Ultra Blaster Stainless Steel Jet (940282YYY)



5" Oval Ultra Blaster Stainless Steel Jet (940283YYY)



5" Directional Stainless Steel Jet (900119YYY)



5" Pin Spin Stainless Steel Jet (901112YYY)

Available Colors

11 = Black
 WW = Grey
 MG = Metallic Grey
 35 = Light Grey
 001 = White

Note: Replace YYY with the corresponding color before ordering.

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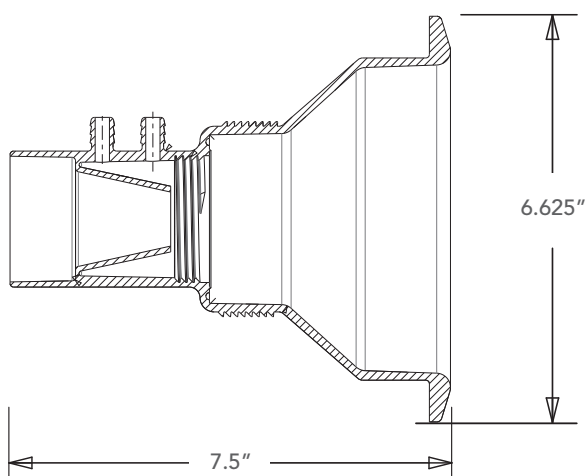
Spa Catalog | 56

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p 714.384.0384 | f 714.384.0385







7" Round Ultra Blaster Stainless
Steel Over Plastic Jet (28725-XX)

Hole Sizes



Hole Size: 6"
Torque Foot Pound: 20

Available Colors

	BK = Black
	CG = Grey
	MG = Metallic Grey
	WH = White

Note: Replace XX with the corresponding color before ordering.

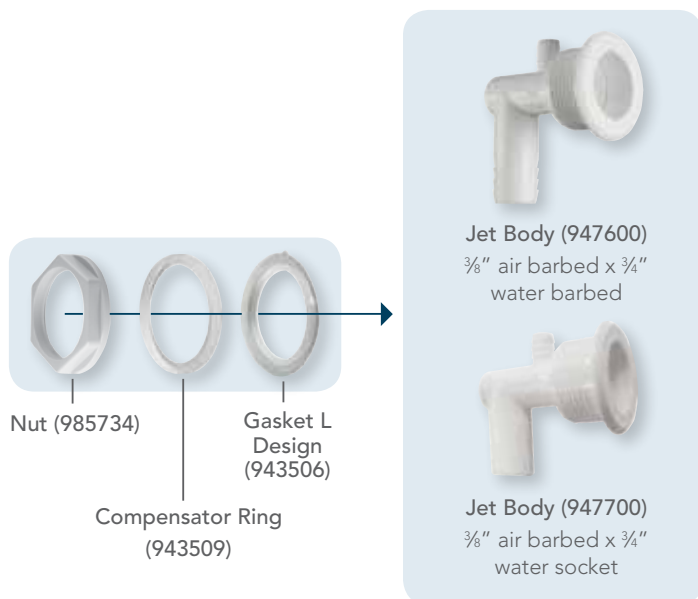


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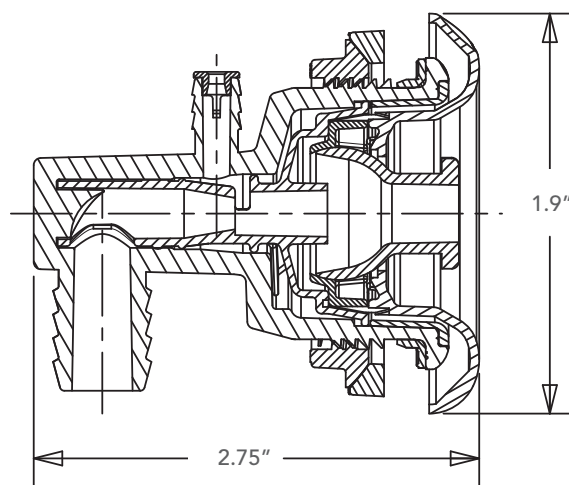




Fitting Structure



Hole Sizes



Hole Size: 1 1/2" L Gasket

Torque Foot Pound: 5

GPM: 6.5 @ 15 PSI

Orifice: .25 (1/4")

Spa Jets

2" Lido Jets - Plastic

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water group



2" Low Profile Textured Directional Plastic Jet (900137YYY)



2" Diamond Directional Plastic Jet (900138YYY)



2" Emerald Directional Plastic Jet (900139YYY)



2" Diamond Fixed Plastic Jet (900142YYY)



2" Emerald Fixed Plastic Jet (900143YYY)



2" Textured Swirl Plastic Jet (900145YYY)



2" Diamond Swirl Plastic Jet (900146YYY)



2" Emerald Swirl Plastic Jet (900147YYY)



2" Low Profile Smooth Swirl Plastic Jet (900815YYY)



2" Textured Fixed Plastic Jet (900875YYY)



2" Textured Directional Plastic Jet (900876YYY)

Available Colors

11 = Black
 WW = Grey
 MG = Metallic Grey
 35 = Light Grey
 001 = White

Note: Replace YYY with the corresponding color before ordering.

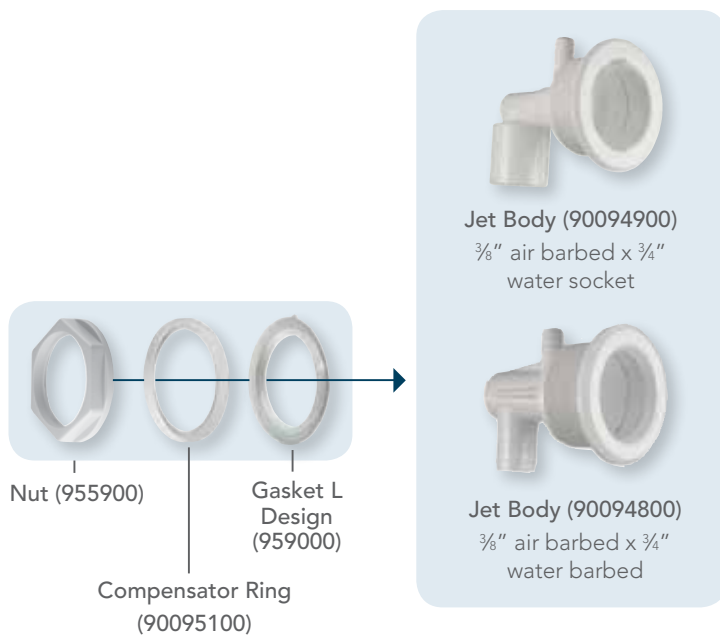
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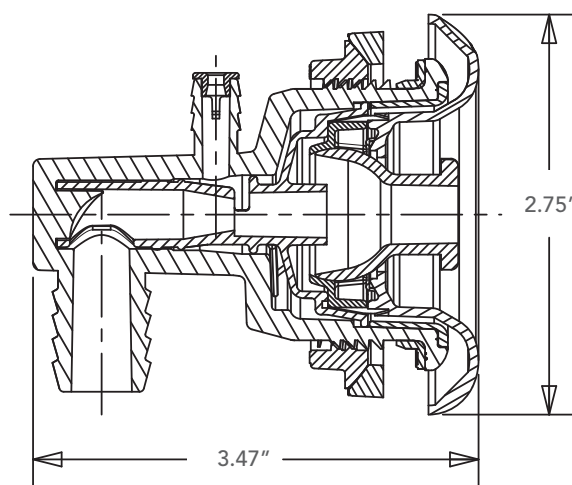
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p 714.384.0384 | f 714.384.0385



Fitting Structure



Hole Sizes



Hole Size: 2.125" L Gasket
Torque Foot Pound: 9-11
GPM: 9½ @ 15 PSI
Orifice: .28 ($\frac{9}{32}$ ")

Spa Jets

3" Lido Jets - Plastic

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water group



3" Emerald Pin Spin
Plastic Jet (901041YYY)



3" Large Emerald Pin Spin
Plastic Jet (901042YYY)



3" Textured Pin Spin
Plastic Jet (901045YYY)



3" Emerald Directional
Plastic Jet (901049YYY)



3" Large Emerald Swirl
Plastic Jet (901050YYY)



3" Textured Directional
Plastic Jet (901053YYY)



3" Large Directional
Plastic Jet (901054YYY)



3" Diamond Directional
Plastic Jet (901051YYY)



3" Emerald Pulsator
Plastic Jet (901057YYY)

Available Colors

11 = Black
 WW = Grey
 MG = Metallic Grey
 35 = Light Grey
 001 = White

Note: Replace YYY with the corresponding color before ordering.

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3" Large Emerald Pulsator
Plastic Jet (901058YYY)



3" Textured Pulsator
Plastic Jet (901061YYY)



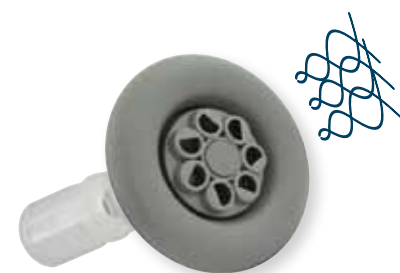
3" Large Textured Pulsator
Plastic Jet (901062YYY)



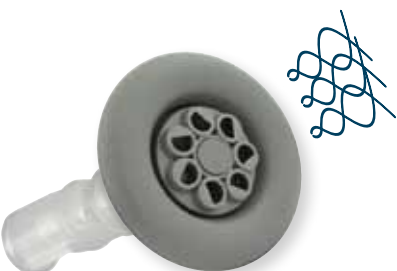
3" Emerald Twin Spin
Plastic Jet (901065YYY)



3" Large Emerald Twin Spin
Plastic Jet (901066YYY)



3" Textured Twin Spin
Plastic Jet (901069YYY)



3" Large Twin Spin Textured
Plastic Jet (901070YYY)



3" Emerald Swirl Plastic
Jet (901073YYY)



3" Large Emerald Swirl Plastic
Jet (901074YYY)

Spa Jets

3" Lido Jets - Plastic

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water group



3" Textured Swirl Plastic
Jet (901077YYY)



3" Large Textured Swirl
Plastic Jet (901078YYY)

Available Colors

11 = Black
 WW = Grey
 MG = Metallic Grey
 35 = Light Grey
 001 = White

Note: Replace YYY with the corresponding color before ordering.

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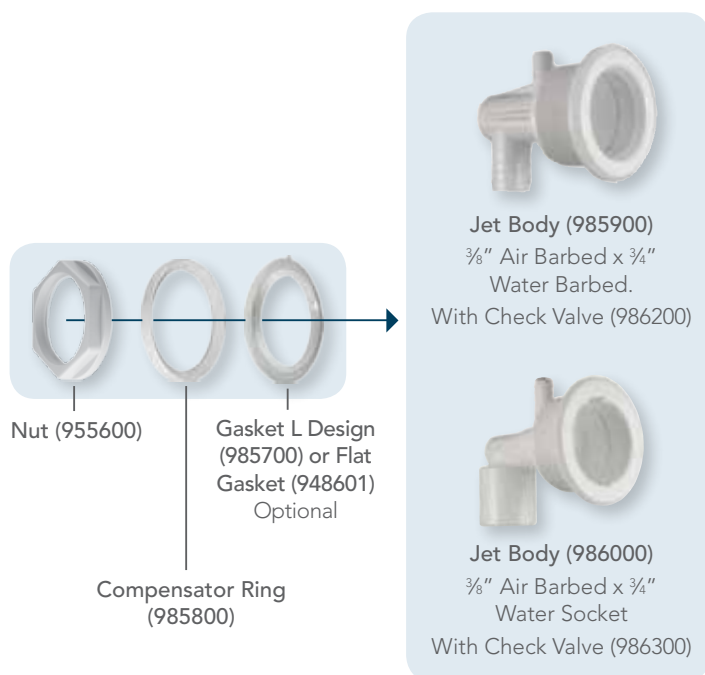
Spa Catalog | 64

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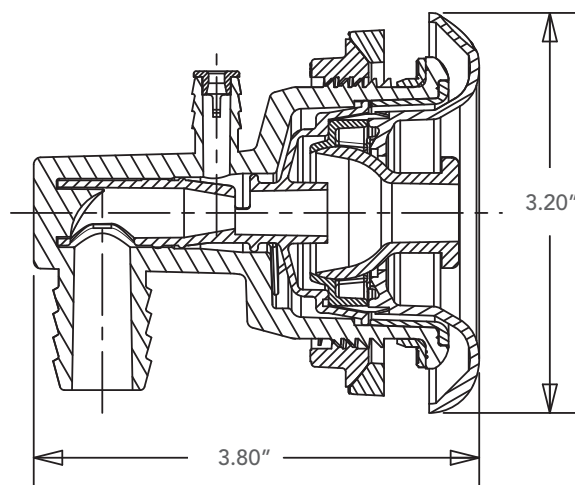
BALBOA
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Fitting Structure



Hole Sizes



Hole Size: 2.56" L Gasket or 2.5" Flat Gasket

Torque Foot Pound: 15-18

GPM: 12 @ 15 PSI

Orifice: .38 (3/8")

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Spa Jets

3.5" Lido Jets - Plastic

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3.5" Textured Pulsator
Plastic Jet (940046YYY)



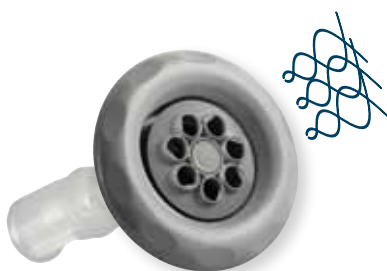
3.5" Emerald Pulsator
Plastic Jet (940048YYY)



3.5" Diamond Pulsator
Plastic Jet (940050YYY)



3.5" Emerald Twin Spin
Plastic Jet (901089YYY)



3.5" Diamond Twin Spin
Plastic Jet (901091YYY)



3.5" Twin Spin Plastic
Jet (901093YYY)



3.5" Emerald Pin Spin
Plastic Jet (901097YYY)



3.5" Diamond Pin Spin
Plastic Jet (901099YYY)



3.5" Textured Directional
Plastic Jet (9838YYY)

Available Colors

11 = Black WW = Grey MG = Metallic Grey 35 = Light Grey 001 = White

Note: Replace YYY with the corresponding color before ordering.

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3" Textured Swirl Plastic Jet (9840YYY)



3.5" Emerald Directional Plastic Jet (9844YYY)



3.5" Emerald Swirl Plastic Jet (9846YYY)



3.5" Diamond Directional Plastic Jet (9850YYY)



3.5" Diamond Swirl Plastic Jet (9852YYY)

Available Colors

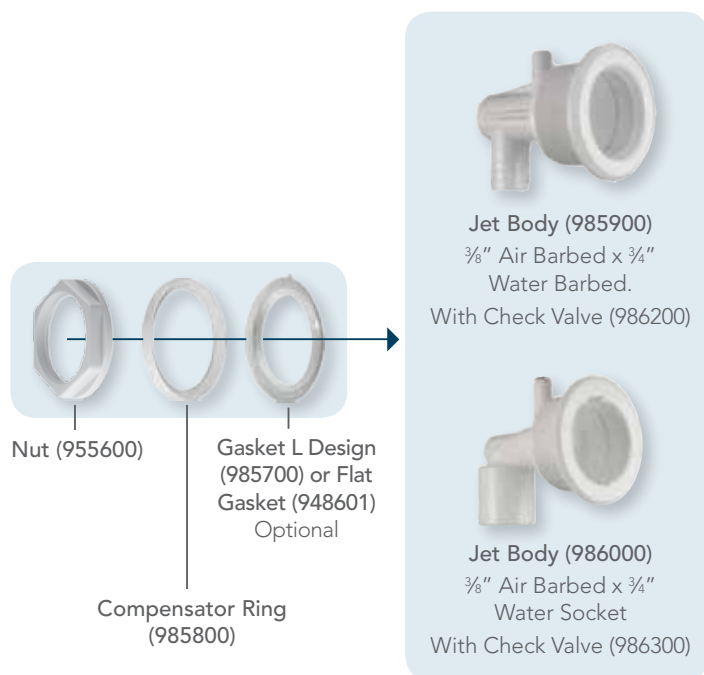
11 = Black
 WW = Grey
 MG = Metallic Grey
 35 = Light Grey
 001 = White

Note: Replace YYY with the corresponding color before ordering.

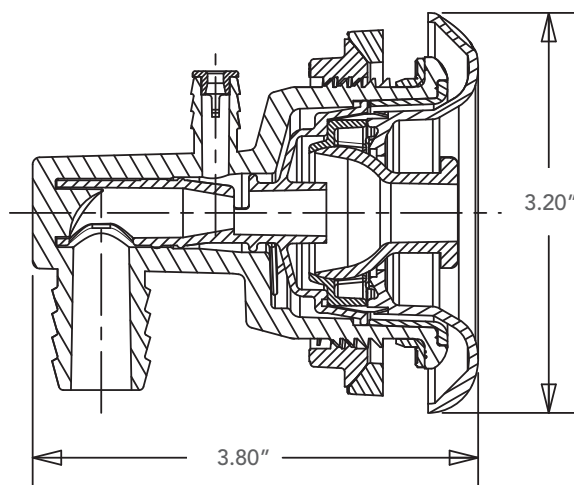
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Fitting Structure



Hole Sizes



Hole Size: 2.56" L Gasket or 2.5" Flat Gasket
Torque Foot Pound: 15-18
GPM: 12 @ 15 PSI
Orifice: .38 (3/8")

Spa Jets

4" Lido Jets - Plastic

BALBOA
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4" Textured Twin Spin
Plastic Jet (901094YYY)



4" Emerald Textured Pulsator
Plastic Jet (940049YYY)



4" Diamond Pulsator
Plastic Jet (940051YYY)



4" Textured Directional
Plastic Jet (9839YYY)



4" Textured Swirl
Plastic Jet (9841YYY)



4" Emerald Textured Directional
Plastic Jet (9845YYY)



4" Emerald Textured Swirl
Plastic Jet (9847YYY)



4" Diamond Smooth Directional
Plastic Jet (9851YYY)



4" Diamond Smooth Swirl
Plastic Jet (9853YYY)

Available Colors

11 = Black
 WW = Grey
 MG = Metallic Grey
 35 = Light Grey
 001 = White

Note: Replace YYY with the corresponding color before ordering.

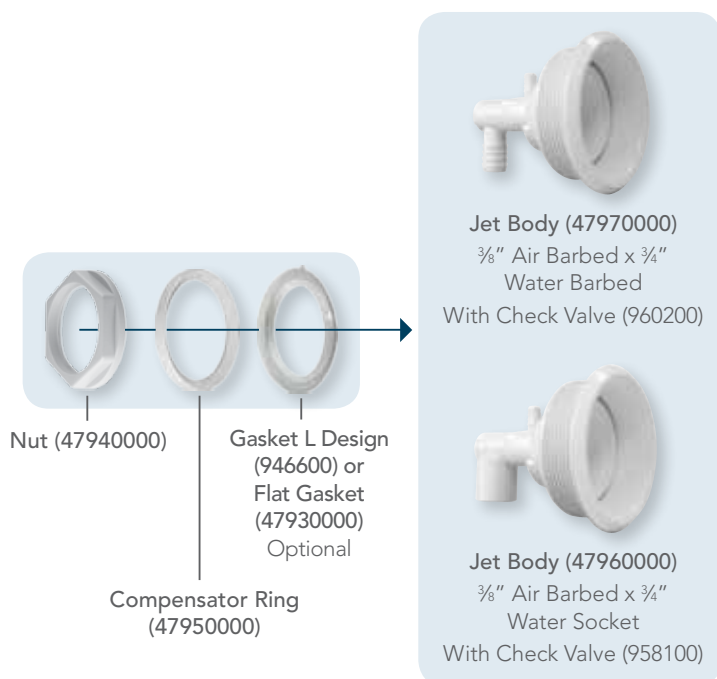
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Spa Catalog | 70

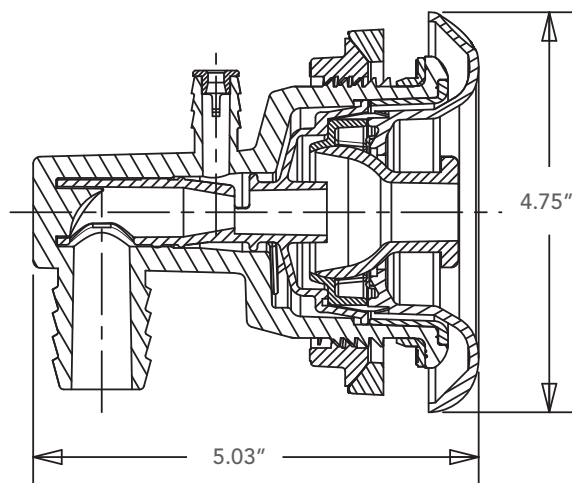
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Fitting Structure



Hole Sizes



Hole Size: 3.75" Flat Gasket or 3.90" L Gasket

Torque Foot Pound: 28

GPM: 16 @ 15 PSI

Orifice: .38 (3/8")

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Spa Catalog | 71

Spa Jets

5" Lido Jets - Plastic

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5" Diamond Smooth Swirl Plastic Jet (9415YYY)



5" Diamond Smooth Directional Plastic Jet (9416YYY)



5" Emerald Textured Twin Spin Plastic Jet (9510YYY)



5" Emerald Textured Pulsator Plastic Jet (9511YYY)



5" Diamond Smooth Twin Spin Plastic Jet (9693YYY)



5" Diamond Textured Pulsator Plastic Jet (9781YYY)



5" Textured Directional Plastic Jet (9782YYY)



5" Textured Swirl Plastic Jet (9783YYY)



5" Textured Twin Spin Plastic Jet (9784YYY)

Available Colors

11 = Black
 WW = Grey
 MG = Metallic Grey
 35 = Light Grey
 001 = White

Note: Replace YYY with the corresponding color before ordering.

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5" Textured Pulsator Plastic Jet (9785YYY)



5" Emerald Textured Pin Spin Plastic Jet (901105YYY)



5" Emerald Round Shower Head Plastic Jet (940246YYY)



5" Diamond Oval Shower Head Plastic Jet (940249YYY)



5" Emerald Oval Shower Head Plastic Jet (940250YYY)



5" Emerald Textured Swirl Plastic Jet (944511YYY)



5" Emerald Textured Directional Plastic Jet (944530YYY)

Available Colors

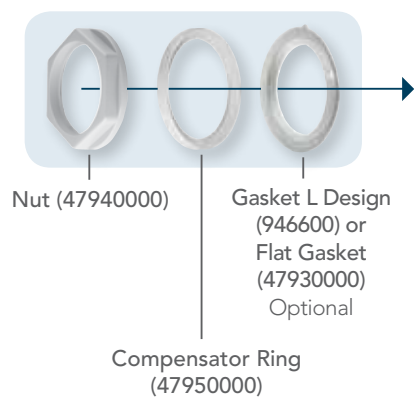
11 = Black
 WW = Grey
 MG = Metallic Grey
 35 = Light Grey
 001 = White

Note: Replace YYY with the corresponding color before ordering.

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Fitting Structure



<p>Jet Body (90093800) 3/8" Air Barbed x 1 1/2" Water Socket With Check Valve (90093400)</p>	<p>Jet Body (90094100) 1/2" Air Socket x 1 1/2" Water Socket With Check Valve (90093600)</p>
<p>Jet Body (90093900) 3/8" Air Barbed x 2" Water Socket With Check Valve (90093500)</p>	<p>Jet Body (90094000) 1/2" Air Socket x 2" Water Socket With Check Valve (90093700)</p>

Spa Jets

5" Large Lido Jets - Plastic

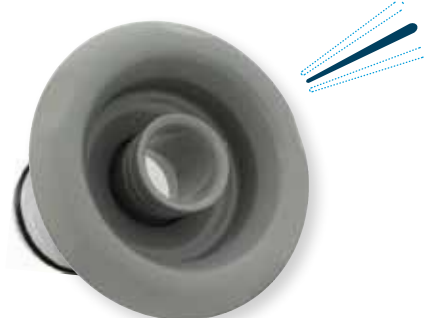
BALBOA
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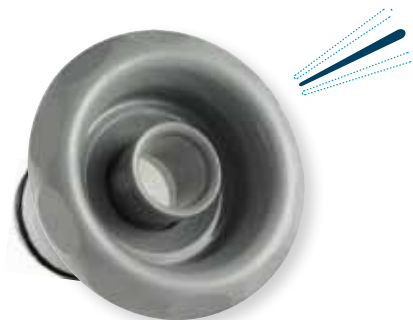
5" Large Emerald Waterfall
Plastic Jet (900927YYY)



5" Large Textured Waterfall
Plastic Jet (900929YYY)



5" Large Emerald Directional
Plastic Jet (900931YYY)



5" Large Diamond Directional
Plastic Jet (900932YYY)



5" Large Textured Directional
Plastic Jet (900933YYY)

Available Colors

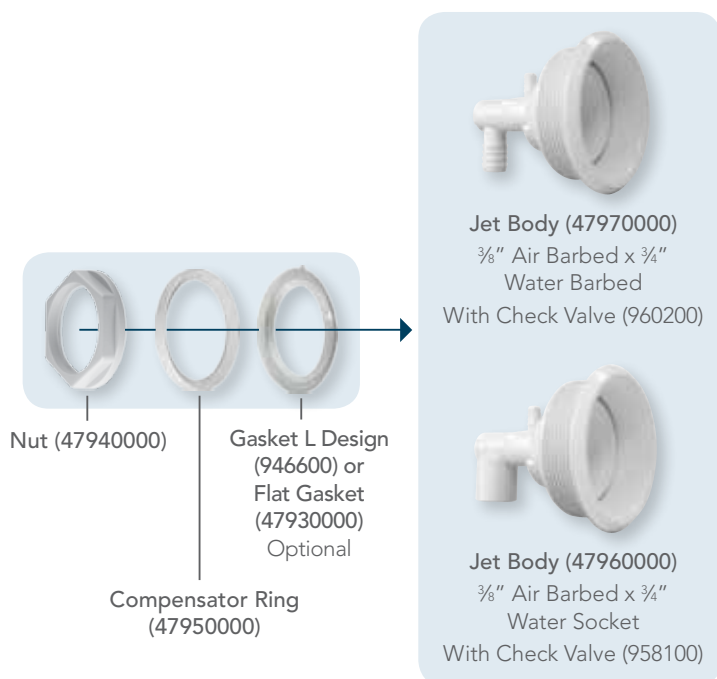
11 = Black
 WW = Grey
 MG = Metallic Grey
 35 = Light Grey
 001 = White

Note: Replace YYY with the corresponding color before ordering.

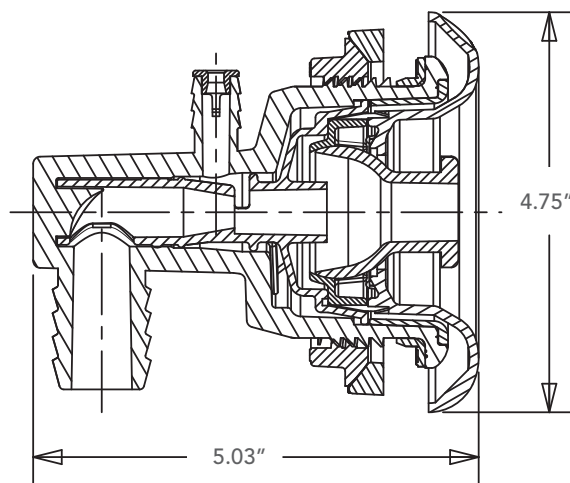
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Fitting Structure



Hole Sizes



Hole Size: 3.75" Flat Gasket or 3.90" L Gasket

Torque Foot Pound: 28

GPM: 16 @ 15 PSI

Orifice: .38 (3/8")

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Spa Jets

6.5" Lido Jets - Plastic

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6.5" Diamond Pin Spin Plastic Jet (901108YYY)



6.5" Emerald Swirl Plastic Jet (940257YYY)



6.5" Textured Swirl Plastic Jet (940258YYY)



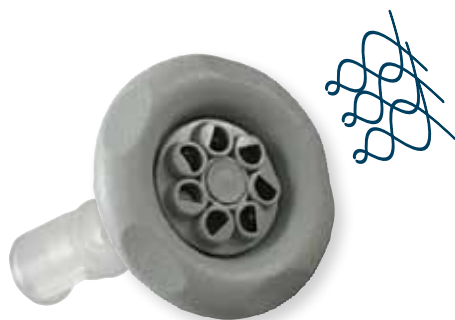
6.5" Diamond Directional Plastic Jet (940260YYY)



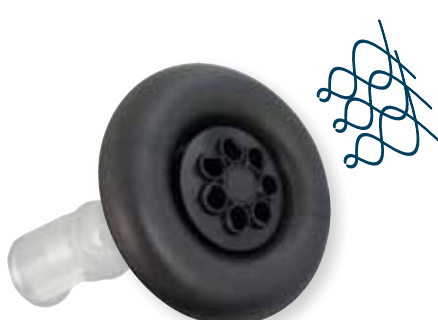
6.5" Emerald Directional Plastic Jet (940261YYY)



6.5" Textured Directional Plastic Jet (940262YYY)



6.5" Emerald Twin Spin Plastic Jet (940265YYY)



6.5" Textured Twin Spin Plastic Jet (940266YYY)



6.5" Emerald Pulsator Plastic Jet (940269YYY)

Available Colors

11 = Black
 WW = Grey
 MG = Metallic Grey
 35 = Light Grey
 001 = White

Note: Replace YYY with the corresponding color before ordering.

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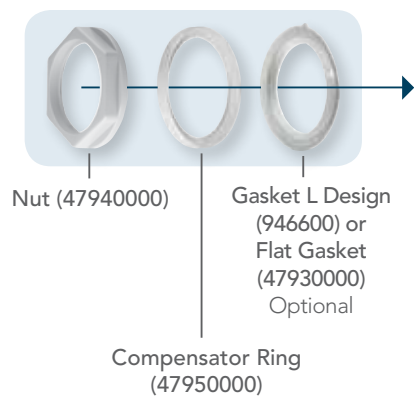
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Fitting Structure



Jet Body (90093800)
3/8" Air Barbed x 1 1/2" Water Socket
With Check Valve (90093400)



Jet Body (90094100)
1/2" Air Socket x 1 1/2" Water Socket
With Check Valve (90093600)



Jet Body (90093900)
3/8" Air Barbed x 2" Water Socket
With Check Valve (90093500)



Jet Body (90094000)
1/2" Air Socket x 2" Water Socket
With Check Valve (90093700)

Spa Jets

6.5" Large Lido Jets - Plastic

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6.5" Large Textured Waterfall
Plastic Jet (940274YYY)



6.5" Large Emerald Waterfall
Plastic Jet (940273YYY)



6.5" Large Emerald Directional
Plastic Jet (940277YYY)



6.5" Large Textured Directional
Plastic Jet (940278YYY)

Available Colors

11 = Black
 WW = Grey
 MG = Metallic Grey
 35 = Light Grey
 001 = White

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SpaPumps
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made in the usa

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Pump Specs:

Material No.: 1016960 (60Hz),
1016950 (50Hz)
Volage: 230V
Frequency: 50Hz/60Hz
Current: 7.6A
HP: 2.0



VARIMax™ Control Panel (50279)

Panel Overlay Only: 12686

- 3 button panel with LED light
- 3.625in round approx.
- 92.075mm round

"SO QUIET
you'll ask if it is running"

— VARIMax Flow High Speed	— VARIMax Flow Low Speed
— AMPS High Speed	— AMPS Low Speed

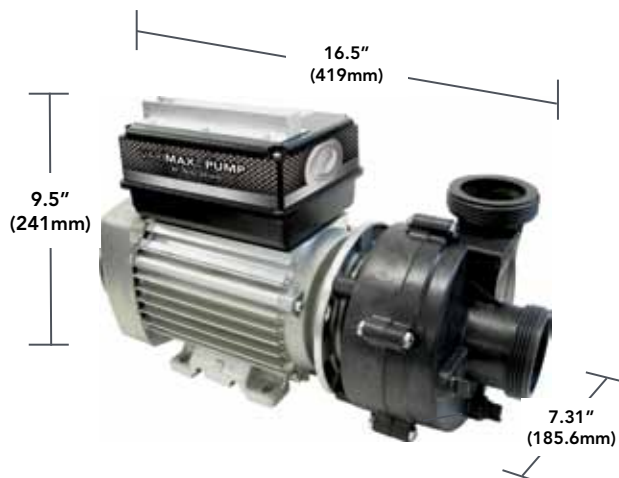
Experience Customized Massage with The VariMax™ Pump

Introducing VariMax™, the newest innovation in spa pumps from Balboa Water Group. The VariMax™ pump will provide a full body massage that will make you feel as though you have your own personal masseuse.

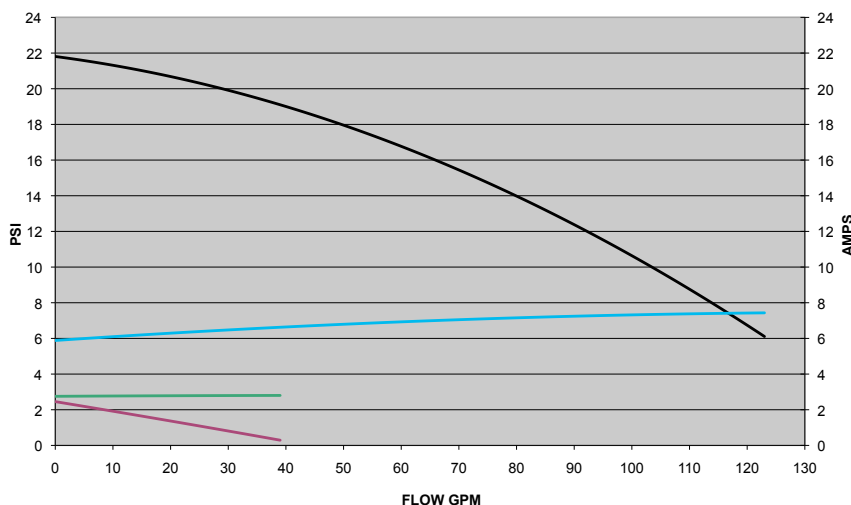
The VariMax™ pump allows you to create your own hydrotherapy options with a simple push of a button. You can enjoy water movement that is gentle, firm or anything in between by increasing or decreasing the intensity of the sensation or by selecting the wave/ pulse massage option.

Enjoy lounging in your spa knowing you have the ability to customize your massage settings. Experience water moving across your body – caressing your neck and shoulders, then pulsating down your back, legs and feet.

There are so many things in life that are out of your control, but your massage experience doesn't have to be one of them. Start your day with an invigorating massage or end your day with a soothing water sensation with a VariMax™ pump. It's your choice!



VARIMax Flow Curves 230 Volt 60Hz



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FEATURES

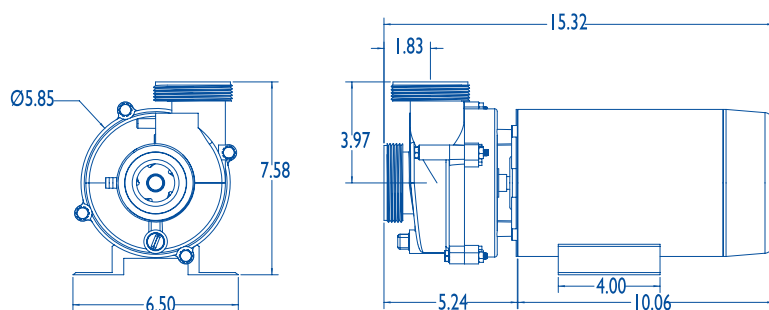
- All seals are carbon ceramic with Viton® elastomers for long-lasting performance, easily enduring prolonged heat and chemical exposure
- Multi-direction volute mounting and options deliver the greatest range of plumbing configurations
- Available in a compact 48 frame design motor or a cool running 56 frame motor.
- Choose single- or two-speed motor from 1 to 2 HP. With two-speed models, sanitation and heating can occur while maintaining lower running costs. Low cost motor combination option available for economical spa systems
- 115 volt options for portable plug and play spa models
- UL and CSA certified

SPECIFICATIONS

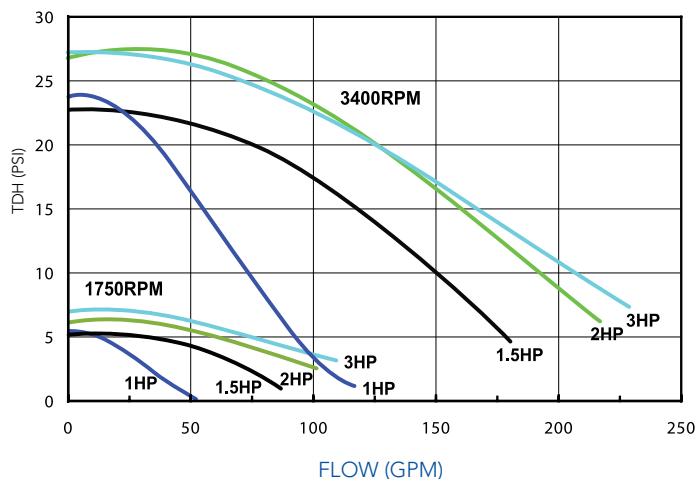
- Center suction / radial side discharge orientation or center suction / center line top discharge
- Suction Port: 1.5" or 2"
- Discharge Port: 1.5" or 2"
- Mechanical Seal: Carbon ceramic with Viton® elastomers

Victoria pumps provide long life, excellent performance, value pricing and configuration flexibility all in a cost-effective package. With flow rates that can exceed 230 gallons per minute, Victoria pumps are ideal for value-priced applications in any size spa.

With lower price points, ease of installation, high flow rates, and energy efficient packages, Victoria pumps offer the options you need and spa owners truly appreciate. Contact your Balboa Water Group representative today for additional information.



60Hz PERFORMANCE CURVE North America Model



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1.0 HORSEPOWER (North America Domestic) – 1 Speed/115V

PART #	AMPS	SPEED	AMP CORD	IN-LINK CORD	JJ CORD	VOLTAGE	FREQUENCY (Hz)	FRAME SIZE
1014084	11.6	1	–	96	–	115	60 Hz	48

1.0 HORSEPOWER (North America Domestic) – 1 Speed/230V

PART #	AMPS	SPEED	AMP CORD	IN-LINK CORD	JJ CORD	VOLTAGE	FREQUENCY (Hz)	FRAME SIZE
1014073	11.6	1	–	–	48	230	60 Hz	48

1.0 HORSEPOWER (North America Domestic) – 2 Speed/115V

PART #	AMPS	SPEED	AMP CORD	IN-LINK CORD	JJ CORD	VOLTAGE	FREQUENCY (Hz)	FRAME SIZE
1014013	11.9 or 3.5	2	–	–	–	115	60 Hz	48
1014253	11.9 or 3.5	2	10	–	–	115	60 Hz	48

1.0 HORSEPOWER (North America Domestic) – 2 Speed/230V

PART #	AMPS	SPEED	AMP CORD	IN-LINK CORD	JJ CORD	VOLTAGE	FREQUENCY (Hz)	FRAME SIZE
1014215	5.8 or 2.4	2	–	–	–	230	60 Hz	48

1.5 HORSEPOWER (North America Domestic) – 2 Speed/115V

PART #	AMPS	SPEED	AMP CORD	IN-LINK CORD	JJ CORD	VOLTAGE	FREQUENCY (Hz)	FRAME SIZE
1014025	13.8 or 3.7	2	53	–	–	115	60 Hz	48
1014056	13.8 or 3.7	2	120	–	–	115	60 Hz	48
1014084	13.8 or 3.7	2	–	48	–	115	60 Hz	48
1014002	13.8 or 3.7	2	–	–	48	115	60 Hz	48
1014055	13.8 or 3.7	2	–	–	96	115	60 Hz	48
1014054	13.8 or 3.7	2	–	–	–	115	60 Hz	48

1.5 HORSEPOWER (North America Domestic) – 2 Speed/230V

PART #	AMPS	SPEED	AMP CORD	IN-LINK CORD	JJ CORD	VOLTAGE	FREQUENCY (Hz)	FRAME SIZE
1014347	8.2 or 2.8	2	–	–	–	230	60 Hz	48

2.0 HORSEPOWER (North America Domestic) – 1 Speed/230V

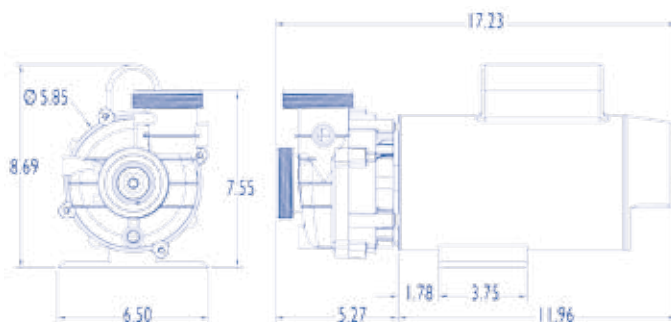
PART #	AMPS	SPEED	AMP CORD	IN-LINK CORD	JJ CORD	VOLTAGE	FREQUENCY (Hz)	FRAME SIZE
1014176	8.5	1	–	–	–	230	60 Hz	48



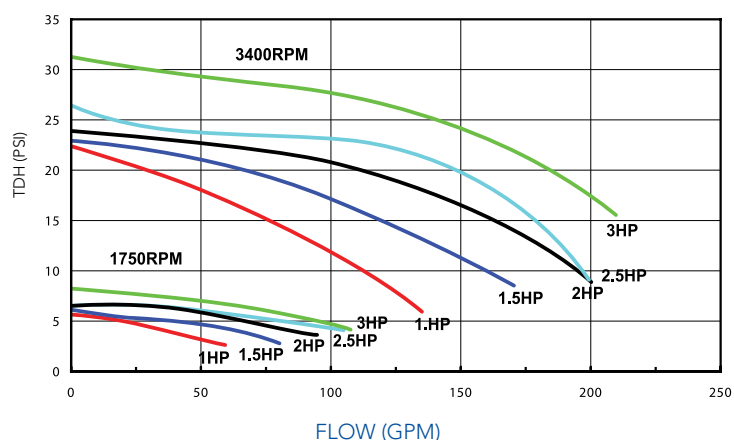
FEATURES

- All seals are carbon ceramic with Viton® elastomers for long-lasting performance, easily enduring prolonged heat and chemical exposure
- Available in 230V or 115V 60Hz motors for North America and 230V 50Hz TEFC motors for Europe
- Unique design impeller provides higher efficiency flow with a smaller horsepower motor than other pumps in the same class; high flow rates can exceed 210 gallons per minute
- Multi-directional volute mountings and a 3 position drain plug for complete flexibility of configuration
- Petite volute and compact 48 frame design allow for easy installation in hard to fit areas
- Choose single- or two-speed motor from 1 to 3 HP; with two-speed models, sanitization and heating can occur while maintaining lower running costs
- Whisper quiet operation assures a peaceful spa experience
- 115 volt models available for portable plug and play spas
- UL, TUV, CSA, and CE/VDE/GS certified

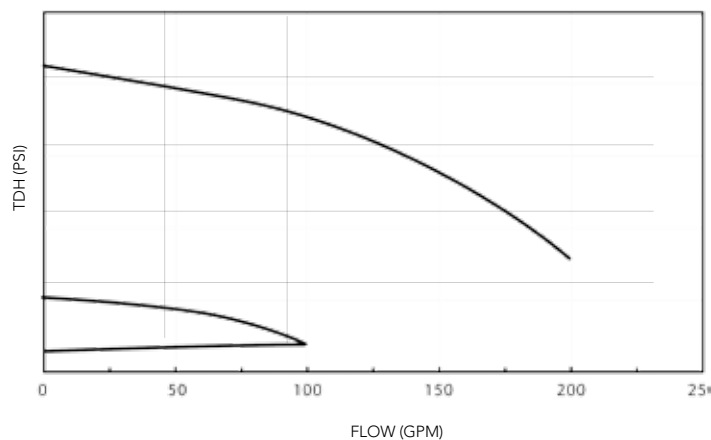
The Cascades™ pumps have earned a reputation for consistent quality and long service life. Manufacturers profit from their design flexibility and compact size. Dealers appreciate the ease of replacement. And spa users enjoy their quiet, economical and trouble-free operation.



60Hz PERFORMANCE CURVE North America Model



PERFORMANCE CURVE 50Hz International Models



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Spa Pump

Dura Jet™ - Cascades - Single Or Dual Speed

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PUMPS



SPECIFICATIONS

- Center suction / radial side discharge orientation
- Suction Port: 2"
- Discharge Port: 2"
- Mechanical Seal: . . . Carbon ceramic with Viton elastomers

OPTIONS

- True rated 1, 1.5, 2, 2.5, and 3 HP models
- 115 volt options in 1 and 1.5 HP; remaining motors 230V 60Hz for North America; 230V 50Hz TEFC motors for Europe
- 48 or 56 Frame Size
- Class F insulation
- Single or 2-speed models
- All spa pack or plug and play connection leads available

Descriptions:

- All seals are carbon ceramic with Viton® elastomers for long-lasting performance, easily enduring prolonged heat and chemical exposure
- Available in 230V or 115V 60Hz motors for North America and 230V 50Hz TEFC motors for Europe
- Uniquely designed impeller provides higher efficiency flow with a smaller horsepower motor than other pumps in the same class; high flow rates can exceed 210 gallons per minute
- Multi-directional volute mountings and a 3 position drain plug for complete flexibility of configuration
- Petite volute and compact 48 frame design allow for easy installation in hard to fit areas
- Choose single- or two-speed motor from 1 to 3 HP; with two-speed models, sanitization and heating can occur while maintaining lower running costs.

1.0 HORSEPOWER (North America Domestic) – 2 Speed/115V

PART #	SPEED	AMP CORD	IN-LINK CORD	JJ CORD	VOLTAGE	FREQUENCY (Hz)	AMPS	FRAME SIZE
DJAYEA-0153	2	53	–	–	115	60 Hz	10.4 or 3.6	48

1.5 HORSEPOWER (North America Domestic) – 2 Speed/115V

PART #	SPEED	AMP CORD	IN-LINK CORD	JJ CORD	VOLTAGE	FREQUENCY (Hz)	AMPS	FRAME SIZE
DJAYFA-0151	2	53	–	–	115	60 Hz	13 or 3.7	48

1.5 HORSEPOWER (North America Domestic) – 2 Speed/230V

PART #	SPEED	AMP CORD	IN-LINK CORD	JJ CORD	VOLTAGE	FREQUENCY (Hz)	AMPS	FRAME SIZE
DJAYFB-0153	2	53	–	–	230	60 Hz	7.2 or 2.4	48
DJAYFB-01A3	2	120	–	–	230	60 Hz	7.2 or 2.4	48
DJAYFB-01C3	2	–	48	–	230	60 Hz	7.2 or 2.4	48
DJAYFB-01D3	2	–	96	–	230	60 Hz	7.2 or 2.4	48
DJAYFB-0123	2	–	–	48	230	60 Hz	7.2 or 2.4	48
DJAYFB-01B3	2	–	–	96	230	60 Hz	7.2 or 2.4	48

2.0 HORSEPOWER (North America Domestic) – 1 Speed/230V

PART #	AMPS	SPEED	AMP CORD	IN-LINK CORD	JJ CORD	VOLTAGE	FREQUENCY (Hz)	FRAME SIZE
DJAGB-0153	8.6	1	53	–	–	230	60 Hz	48

2.0 HORSEPOWER (North America Domestic) – 2 Speed/230V

PART #	AMPS	SPEED	AMP CORD	IN-LINK CORD	JJ CORD	VOLTAGE	FREQUENCY (Hz)	FRAME SIZE
DJAYGB-0153	8.5 or 3.0	2	53	–	–	230	60 Hz	48
DJAYGB-01A3	8.5 or 3.0	2	120	–	–	230	60 Hz	48

2.5 HORSEPOWER (North America Domestic) – 1 Speed/230V

PART #	AMPS	SPEED	AMP CORD	IN-LINK CORD	JJ CORD	VOLTAGE	FREQUENCY (Hz)	FRAME SIZE
DJAAGB-0153	11.1	1	53	–	–	230	60 Hz	48
DJAAGB-01A3	11.1	1	120	–	–	230	60 Hz	48

2.5 HORSEPOWER (North America Domestic) – 2 Speed/230V

PART #	AMPS	SPEED	AMP CORD	IN-LINK CORD	JJ CORD	VOLTAGE	FREQUENCY (Hz)	FRAME SIZE
DJAAYGB-0153	10.7 or 3.0	2	53	–	–	230	60 Hz	48
DJAAYGB-01A3	10.7 or 3.0	2	120	–	–	230	60 Hz	48

3.0 HORSEPOWER (North America Domestic) – 2 Speed/230V

PART #	AMPS	SPEED	AMP CORD	IN-LINK CORD	JJ CORD	VOLTAGE	FREQUENCY (Hz)	FRAME SIZE
DJAYHB-0151	12.0 or 3.7	2	53	–	–	230	60 Hz	48
DJAYHB-0101	12.0 or 3.7	2	No	No	No	230	60 Hz	48

2.0 HORSEPOWER (50Hz Export International) – 1 Speed/230V

PART #	AMPS	SPEED	AMP CORD	IN-LINK CORD	JJ CORD	VOLTAGE	FREQUENCY (Hz)	FRAME SIZE
1025010	9.0	1	120	–	–	230	50 Hz	90
1025004	6.0	1	–	–	48	230	50 Hz	90
1025002	9.0	1	No	No	No	230	50 Hz	90

2.0 HORSEPOWER (50Hz Export International) – 2 Speed/230V

PART #	AMPS	SPEED	AMP CORD	IN-LINK CORD	JJ CORD	VOLTAGE	FREQUENCY (Hz)	FRAME SIZE
1025011	9.0 or 3.0	2	53	–	–	230	50 Hz	90
1025006	9.0 or 3.0	2	120	–	–	230	50 Hz	90
1025003	9.0 or 3.0	2	–	–	48	230	50 Hz	90



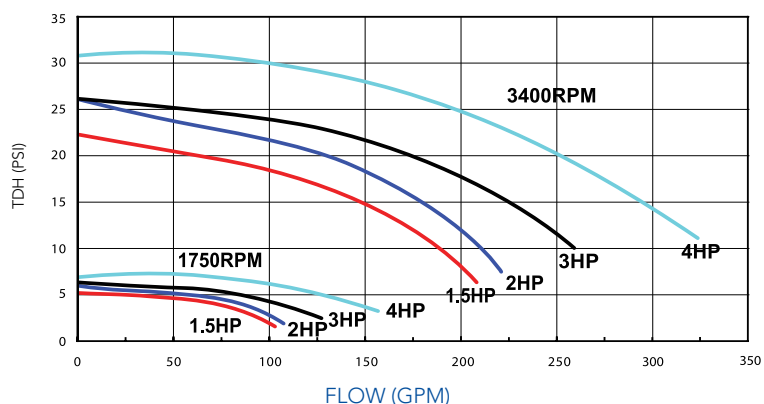
FEATURES

- High flow rates exceeding 325 gallons per minute for maximum performance in your luxury applications
- All seals are carbon ceramic with Viton® elastomers for long-lasting performance, easily enduring prolonged heat and chemical exposure
- Multi-directional volute mountings provide the flexibility to accommodate any configuration; 2" and 2.5" suction options
- Cool running 56 frame motor
- Available in 230V or 115V 60Hz motors for North America and 230V 50Hz TEFC motors for Europe
- Choose single- or two-speed motor from 1.5 to 4 HP; with two-speed models, sanitation and heating can occur while maintaining lower operational costs
- Specify an ultra efficient motor and our highest efficiency hydraulics versions help meet appliance efficiency regulations
- Reliable performance and long service life for more enjoyable ownership
- UL, TUV, CSA, and CE/VDE/GS certified

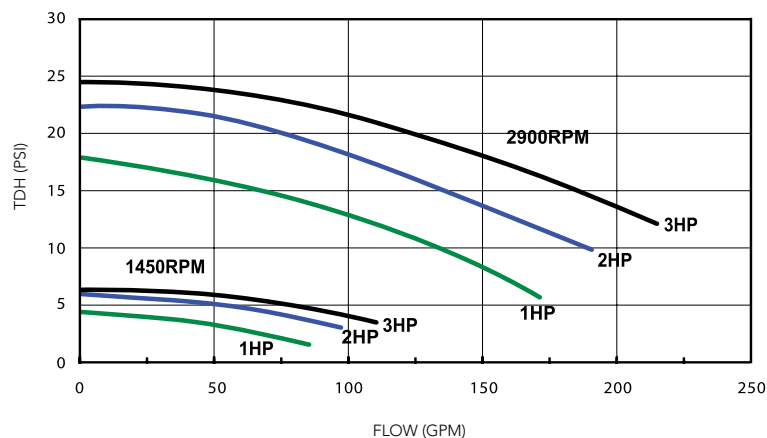
Premier Niagara pumps are the ultimate benchmark in design flexibility and performance. From small applications for zone seating and focused therapy up to multi pump configurations to run 100+ jetted systems, Niagara pumps supply the specific performance features you require and the long service life and powerful performance spa owners demand.

Niagara pumps offer the options you need...an energy-efficient package, unsurpassed design flexibility, ease of installation, high flow rate and dependable operation. Contact your Balboa Water Group representative for more information.

60Hz PERFORMANCE CURVE North America Model



PERFORMANCE CURVE 50Hz International Models



Your Single Source Solution.

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Spa Catalog | 91

Spa Pump

Ultimax™ - Niagara - Single Or Dual Speed

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PUMPS

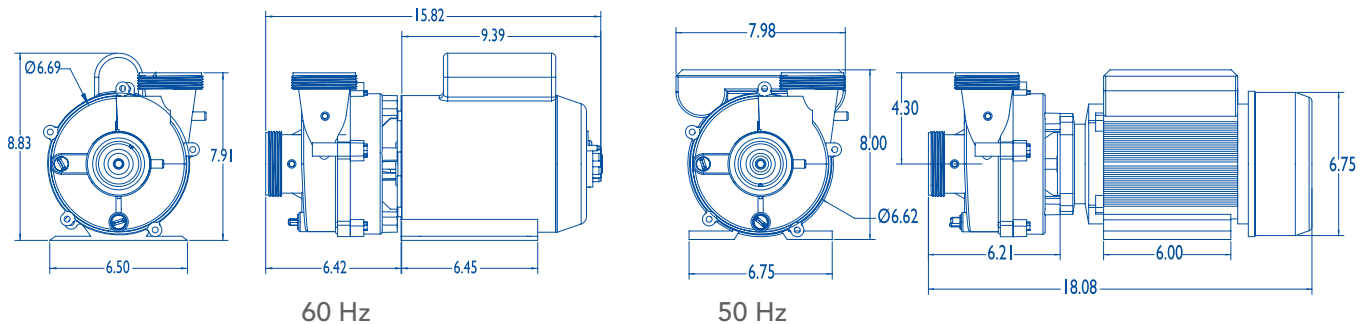


SPECIFICATIONS

- Center suction / radial side discharge orientation
- Suction Port: 2" or 2.5"
- Discharge Port: 2"
- Mechanical Seal: Carbon ceramic with Viton elastomers

OPTIONS

- True rated 1.5, 2, 3 and 4 HP models
- 115 volt options in 1.5 HP; remaining motors 230V 60Hz for North America and 230V 50 Hz TEFC motors for Europe
- 48 or 56 Frame Size 60 Hz
- 80 or 90 Frame Size 50 Hz
- Class F insulation
- Single or 2-speed models
- All spa pack or plug and play connection leads available



Descriptions:

Niagara pumps offer the options you need...an energy-efficient package, unsurpassed design flexibility, ease of installation, high flow rate and dependable operation.

MOTOR OPTIONS

- True rated 1.5, 2, 2.5, 3 and 4 HP models
- 115 volt options in 1.5 HP; remaining motors 230V 60Hz for North America and 230V 50 Hz TEFC motors for Europe
- 48 or 56 frame
- Class F insulation
- Single- or 2-speed models
- All spa pack or plug and play connection leads available
- Energy-Efficient package option

1.5 HORSEPOWER (North America Domestic) – 1 Speed/15 Frame Size

PART #	AMPS	SPEED	AMP CORD	IN-LINK CORD	JJ CORD	VOLTAGE	FREQUENCY (Hz)	FRAME SIZE
1016037	7.5	1	120	–	–	230	60 Hz	15

2.0 HORSEPOWER (North America Domestic) – 1 Speed/56 Frame Size

PART #	AMPS	SPEED	AMP CORD	IN-LINK CORD	JJ CORD	VOLTAGE	FREQUENCY (Hz)	FRAME SIZE
1016021	8.8	1	53	–	–	230	60 Hz	56

2.0 HORSEPOWER (North America Domestic) – 2 Speed/56 Frame Size

PART #	AMPS	SPEED	AMP CORD	IN-LINK CORD	JJ CORD	VOLTAGE	FREQUENCY (Hz)	FRAME SIZE
1016076	8.8 or 2.9	2	53	–	–	230	60 Hz	56
1016010	8.8 or 2.9	2	120	–	–	230	60 Hz	56

3.0 HORSEPOWER (North America Domestic) – 1 Speed/56 Frame Size

PART #	AMPS	SPEED	AMP CORD	IN-LINK CORD	JJ CORD	VOLTAGE	FREQUENCY (Hz)	FRAME SIZE
1016004	12.0	1	–	–	48	230	60 Hz	56
1016178	12.0	1	No	No	No	230	60 Hz	56

3.0 HORSEPOWER (North America Domestic) – 2 Speed/56 Frame Size

PART #	AMPS	SPEED	AMP CORD	IN-LINK CORD	JJ CORD	VOLTAGE	FREQUENCY (Hz)	FRAME SIZE
1016024	12.0 or 3.5	2	42	–	–	230	60 Hz	56
1016084	12.0 or 3.5	2	–	–	48	230	60 Hz	56

4.0 HORSEPOWER (North America Domestic) – 1 Speed/56 Frame Size

PART #	SPEED	AMP CORD	IN-LINK CORD	JJ CORD	VOLTAGE	FREQUENCY (Hz)	AMPS	FRAME SIZE
1016185	1	–	–	–	230	60 Hz	16.4	56
1016193	1	53	–	–	230	60 Hz	16.4	56

4.0 HORSEPOWER (North America Domestic) – 2 Speed/56 Frame Size

PART #	SPEED	AMP CORD	IN-LINK CORD	JJ CORD	VOLTAGE	FREQUENCY (Hz)	AMPS	FRAME SIZE
1016196	2	53	–	–	230	60 Hz	16.4 or 4.1	56
1016186	2	No	No	No	230	60 Hz	16.4 or 4.1	56

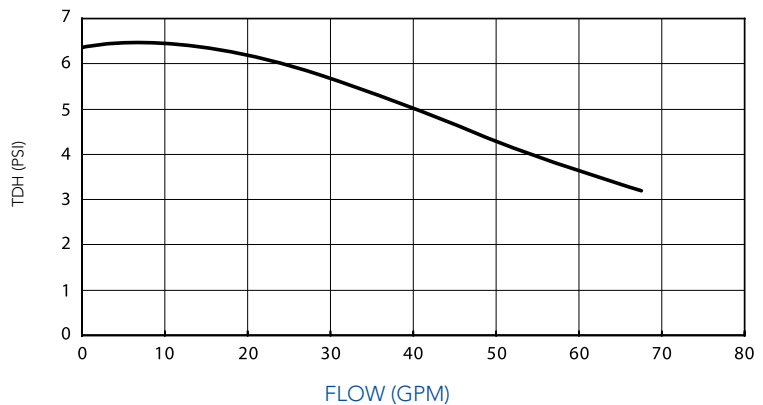


FEATURES

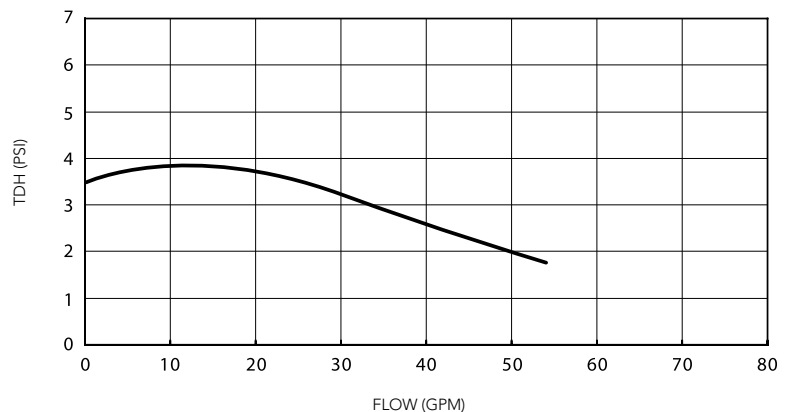
- All seals are carbon ceramic with Viton® elastomers for long-lasting performance, easily enduring prolonged heat and chemical exposure
- Available in 230V 60Hz motors for North America and 230V 50Hz TEFC motors for Europe
- Multi-directional volute mounting provides the flexibility to accommodate any plumbing configuration
- Compact design allows for easy installation within spa cabinet confines
- Nearly silent operation assures a peaceful spa experience
- Ozone injection can run concurrently so water is sanitized and clean for every use
- UL, TUV, vCSA, and CE/VDE/GS certified

The Circulation Pump combines the best of two technologies—the proven reliability of the Ultima pump wet end and the dynamic WOW motor that revolutionized the bath market. The high flow circ pump provides up to 67 gallons per minute flow while operating while drawing only 1 amp—that's equivalent to the power need to illuminate a 100 watt bulb—so you can be sure your spa meets even the most stringent energy regulations while minimizing operating expenses for the owner. This pump is also very compact and easy to install in any configuration, a big plus in production since space is always at a premium.

60Hz PERFORMANCE CURVE North America Model



50Hz PERFORMANCE CURVE International Models



Your Single Source Solution.

We reserve the right to change technical data without further notice.

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Spa Catalog | 95

Spa Pump

Circulation - Center Or Side Discharge

BALBOA
water group

PUMPS

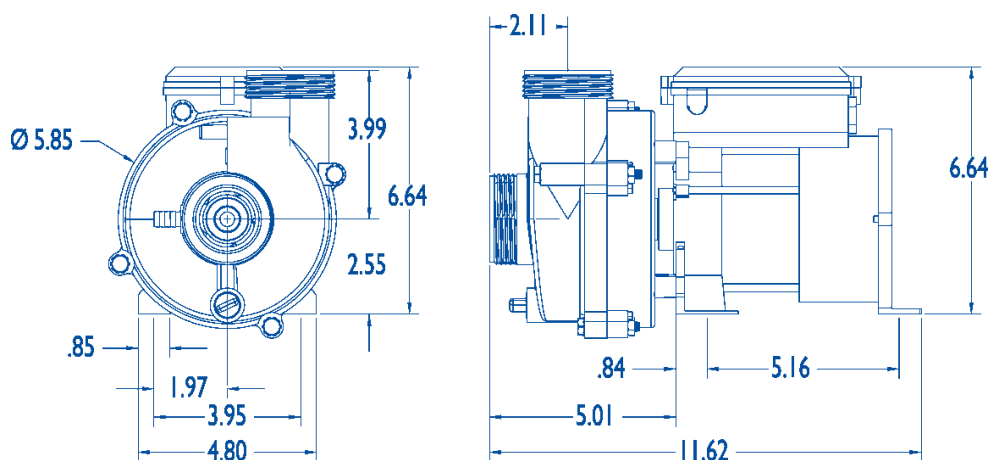


SPECIFICATIONS

- Center suction / radial side discharge orientation or center top discharge
- Suction Port: 1.5" or 2"
- Discharge Port: 1.5" or 2"
- Mechanical Seal: . . . Carbon ceramic with Viton elastomers

OPTIONS

- 230V or 115V 60Hz motors for North America
- 230V 50Hz TEFC motors for Europe
- Class F insulation
- All spa pack or plug and play connection leads available



Descriptions:

Ease of installation, high flow rate and high efficiency...our circ pump provides significant advantages for everyone involved with your spa.

MOTOR OPTIONS

- 230V or 115V 60Hz motors for North America
- 230V 50Hz TEFC motors for Europe
- Class F insulation
- All spa pack or plug and play connection leads available

0.25 HORSEPOWER (North America Domestic) – 1 Speed/230V

PART #	SPEED	AMP CORD	IN-LINK CORD	JJ CORD	VOLTAGE	FREQUENCY (Hz)	AMPS	FRAME SIZE
1030022	1	53	–	–	230	60 Hz	1.1	10
1030021	1	120	–	–	230	60 Hz	1.1	10
1030025	1	–	48	–	230	60 Hz	1.1	10
1030056	1	No	No	No	230	60 Hz	1.1	10

0.25 HORSEPOWER (Export Intl.) – 1 Speed/230V

PART #	SPEED	AMP CORD	IN-LINK CORD	JJ CORD	VOLTAGE	FREQUENCY (Hz)	AMPS	FRAME SIZE
1030017	1	53	–	–	230	50 Hz	0.8	70
1030013	1	No	No	No	230	50 Hz	1.1	10



Victoria Wet End



Niagara Wet End



Circulation Wet End



Cascade Wet End

Victoria Wet End Assemblies – 1215009 Fits:

PART #	SPEED	HORSEPOWER	VOLTAGE	FREQUENCY (Hz)	AMPS	FRAME SIZE
1215009 FITS	2	1.0	115	60 Hz	11.9 or 3.5	48
	1	1.0	230	60 Hz	6.0	48
	2	1.0	230	60 Hz	5.8 or 2.4	48

Victoria Wet End Assemblies

PART #	SPEED	HORSEPOWER	VOLTAGE	FREQUENCY (Hz)	AMPS	FRAME SIZE
1215031	1	1.0	115	60 Hz	11.6	48
1215032	2	2.0	230	60 Hz	8.8 or 2.9	48

Victoria Wet End Assemblies – 1215123 Fits:

PART #	SPEED	HORSEPOWER	VOLTAGE	FREQUENCY (Hz)	AMPS	FRAME SIZE
1215123 FITS	1	1.5	115	60 Hz	15.5	48
	2	1.5	115	60 Hz	13.8 or 3.7	48
	2	1.5	230	60 Hz	8.0 or 2.8	48

Victoria Wet End Assemblies

PART #	SPEED	HORSEPOWER	VOLTAGE	FREQUENCY (Hz)	AMPS	FRAME SIZE
1215132	1	2.0	230	60 Hz	8.5	48

Cascades Wet End Assemblies – 1215014 Fits:

PART #	SPEED	HORSEPOWER	VOLTAGE	FREQUENCY (Hz)	AMPS	FRAME SIZE
1215014 FITS	1	2.0	230	60 Hz	8.6	48
	2	2.0	230	60 Hz	8.5 or 3.0	48

Cascades Wet End Assemblies – 1215015 Fits:

PART #	SPEED	HORSEPOWER	VOLTAGE	FREQUENCY (Hz)	AMPS	FRAME SIZE
1215015 FITS	1	3.0	230	60 Hz	12.0	48
	2	3.0	230	60 Hz	12.0 or 3.7	48

Cascades Wet End Assemblies

PART #	SPEED	HORSEPOWER	VOLTAGE	FREQUENCY (Hz)	AMPS	FRAME SIZE
1215022	2	1.0	115	60 Hz		48

Cascades Wet End Assemblies – 1215023 Fits:

PART #	SPEED	HORSEPOWER	VOLTAGE	FREQUENCY (Hz)	AMPS	FRAME SIZE
1215023 FITS	2	1.5	115	60 Hz		48
	2	1.5	230	60 Hz		48

Cascades Wet End Assemblies – 1215033 Fits:

PART #	SPEED	HORSEPOWER	VOLTAGE	FREQUENCY (Hz)	AMPS	FRAME SIZE
1215033 FITS	1	2.5	230	60 Hz	11.1	48
	2	2.5	230	60 Hz	10.7 or 3.0	48

Wet Ends

Dura Jet™ - Cascades 50Hz Wet End Assemblies



Victoria Wet End



Niagara Wet End



Circulation Wet End



Cascade Wet End

Niagara Wet End Assemblies – 1215011 Fits:

PART #	SPEED	HORSEPOWER	VOLTAGE	FREQUENCY (Hz)	AMPS	FRAME SIZE
1215011 FITS	1	2.0	230	50 Hz	6.0	71
	2	2.0	230	50 Hz	9.0 or 3.0	90

Niagara Wet End Assemblies – 1215012 Fits:

PART #	SPEED	HORSEPOWER	VOLTAGE	FREQUENCY (Hz)	AMPS	FRAME SIZE
1215012 FITS	1	3.0	230	50 Hz	11.5	90
	2	3.0	230	50 Hz	11.5 or 3.4	90

Niagara Wet End Assemblies – 1215021 Fits:

PART #	SPEED	HORSEPOWER	VOLTAGE	FREQUENCY (Hz)	AMPS	FRAME SIZE
1215021 FITS	1	1.0	230	50 Hz	5.7	71
	2	1.0	230	50 Hz	5.7 or 2.3	71

Niagara Wet End Assemblies – 1215007 Fits:

PART #	SPEED	HORSEPOWER	VOLTAGE	FREQUENCY (Hz)	AMPS	FRAME SIZE
1215007 FITS	1	4.0	230	60 Hz	16.4	56
	2	4.0	230	60 Hz	16.4 or 4.1	56

Niagra Wet End Assemblies

PART #	SPEED	HORSEPOWER	VOLTAGE	FREQUENCY (Hz)	AMPS	FRAME SIZE
1215010	2	1.5	230	60 Hz	6.7 or 2.6	56

Niagara Wet End Assemblies – 1215021 Fits:

PART #	SPEED	HORSEPOWER	VOLTAGE	FREQUENCY (Hz)	AMPS	FRAME SIZE
1215021 FITS	2	2.0	230	60 Hz	8.8 or 2.9	56
	1	2.0	230	60 Hz	8.8	56
	1	3.0	230	60 Hz	12.0	56

Niagara Wet End Assemblies – 1215160 Fits:

PART #	SPEED	HORSEPOWER	VOLTAGE	FREQUENCY (Hz)	AMPS	FRAME SIZE
1215160 FITS	1	1.5	230	60 Hz	7.5	15
	2	3.0	230	60 Hz	12.0 or 3.5	56
	1	3.0	230	60 Hz	12.0	56

Wet Ends

Ultimax™ - Niagara Wet End Assemblies



Victoria Wet End



Niagara Wet End



Circulation Wet End



Cascade Wet End

Circulation Wet End Assemblies – 1215121 Fits:

PART #	SPEED	HORSEPOWER	VOLTAGE	FREQUENCY (Hz)	AMPS	FRAME SIZE
1215121 FITS	1	0.25	230	60 Hz	1.1	10
	1	0.25	230	50 Hz	1.1	10
	1	0.25	230	50 Hz	0.8	70



UNION KIT 45° ELBOW

Material No: 3320255

Box Qty: 20

Descriptions:

Male 2" Spigot.



UNION KIT

Material No: 2614030

Box Qty: 25

Descriptions:

Female 2.5" Socket



UNION KIT

Material No: 2614029

Box Qty: 70

Female 2" Socket



UNION KIT

Material No: 2614020

Box Qty: 25

Female 63mm Socket



SPLIT NUT 2"

Material No: 3320274

Box Qty: 10



UNION

Material No: 261027

Box Qty: XXX

Descriptions:

Split Nut 2"
2" x 1.5" Pump Union



PUMP UNION WITH O-RING

Material No: 92016

Color: White

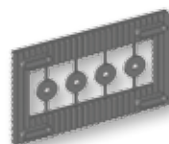
Box Qty: 50

Also Available In:

92016M- Metric

Descriptions:

1 1/2" Quick Disconnect with O-Ring
Metric 50mm Slip Quick Disconnect with O-Ring



MOTOR PAD FOR NOISE ABATEMENT

Material No: 1216163

Box Qty: 25



VIBRATION MOUNT

Material No: 1216001

Box Qty: 25

Descriptions:

A quiet, more luxurious performance from middle and high end products. .

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LightedSpaSuctions

Balboa Water Group Leads the Industry

- UL Approved
- 256 or 179 Flow Rating
- Easy to install and service
- Available in different colors and finishes
- Products meet the VGB 2008 LAW for spa suction



Made in the USA

BALBOA
water group

Suctions

124, 179 And 256 GPM Suction

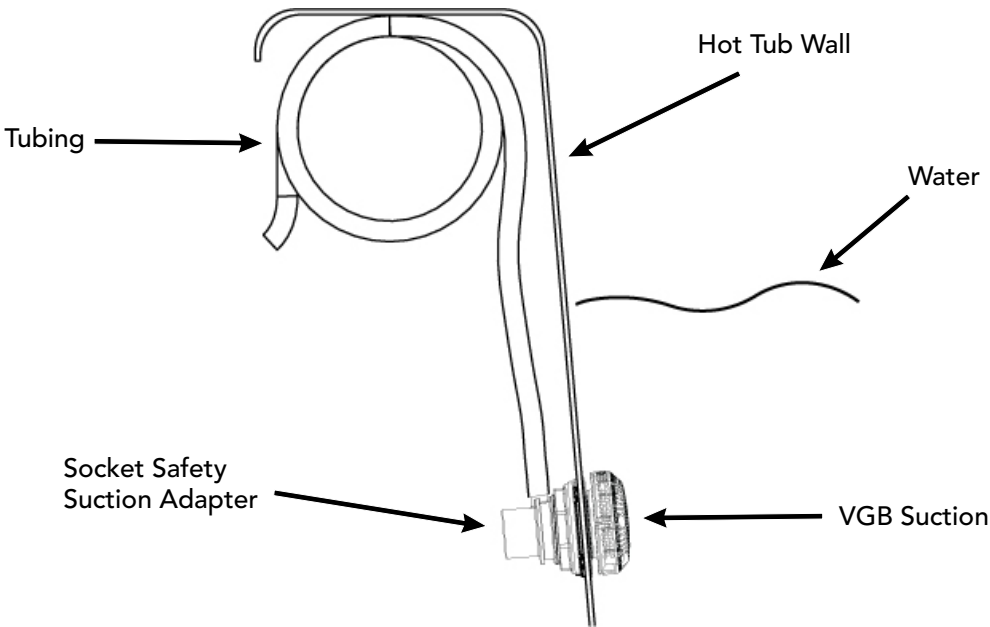


The 256 GPM, 179 GPM and the 124 GPM suction fitting that meets the Virginia Graeme Baker Pool and Spa Safety Act of 2008. The patented 256 GPM flow rated suction fitting has received UL approval, while the 124 GPM suction is IAPMO listed with a flow rating of 124 GPM. The extraordinary rating on both suctions is higher than any other equivalent sized suction on the market prior to the VGB legislation.

The large 256 GPM and 179 GPM suction is about 5 inches (12.7cm) in diameter and the 124 GPM is about 3-3/4 inches (9.53cm) in diameter. The smaller size fits the smaller recesses by reducing the need to modify any molds in order to make the larger suction fit. The smaller hole has a size of 2-3/8 inches (6.03cm) with a flat gasket.

The 256 GPM and 179 GPM suction product was designed by our engineering staff with an intermediary piece that connects to 3/4" (1.9cm) ID tubing, while the smaller 124 GPM suction product connects to 3/8" (.95cm) ID tubing. Both suction products rise up under the lip of the spa. When the suction cover is obstructed, air is pulled through the 3/4" (1.9cm) ID tubing (256 GPM) or 3/8" (.95cm) ID tubing (124 GPM), cavitating the pump so it loses prime and water flow is minimized.

Spa VGB Suctions Placement



Technical Information

Suction Hole Sizes			
2" (5.08cm)	256 GPM	179 GPM	124 GPM
2.5" (6.35cm)	256 GPM	179 GPM	-

Why not spurce up your tub with lighted suction? Balboa is announcing the first UL approved lighted suction. This new revolutionary product will give you more design options when adding VGB suction in the tub.

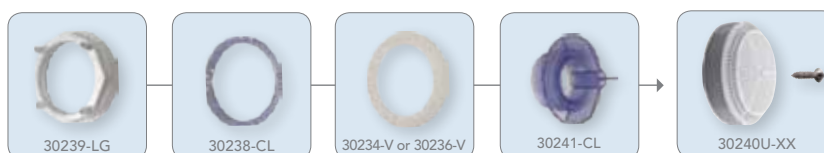
NEW! 256 GPM Suction Flow



Material No.	Descriptions
30240U-XX*	VGB 2008 256/179 GPM Suction Cover And Screw/UV
30341-CL	Clear wall fitting.
30234-V	Suction L Gasket Uses 3.75" (9.52cm) Hole Size
30236-V	Suction Flat Gasket Uses 3.63" (9.22cm) Hole Size
30238-CL	Clear Compensating Ring
30239-LG	Nut
30167-V	2" (5.08cm) SPG x Custom SPG x 3/4" (1.90cm) Smooth Barb Vacuum Tube Adapter
30169-V	2.5" (6.35cm) SPG x Custom SPG x 3/4" (1.90cm) Smooth Barb Vacuum Tube Adapter
63414-10FT	3/4" (1.90cm) ID x 1" (2.54cm) OD Tubing 10ft Long

Note: VGB suction 256 GPM are patented under US Patent No. 8,191,183. Additional parts are needed to have lights.

179 GPM Suction Flow



Material No.	Descriptions
30240U-XX*	VGB 2008 256/179 GPM Suction Cover And Screw/UV
30241-CL	Clear wall fitting.
30234-V	Suction L Gasket Uses 3.75" (9.52cm) Hole Size
30236-V	Suction Flat Gasket Uses 3.63" (9.22cm) Hole Size
30238-CL	Clear Compensating Ring
30239-LG	Nut

Note: Additional parts are needed to have lights.

* Replace XX with the corresponding product color before placing your order.

Please contact your Balboa sales representative for more information.

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Suctions

124, 179 And 256 GPM Suction

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NEW! 256 GPM Suction Flow

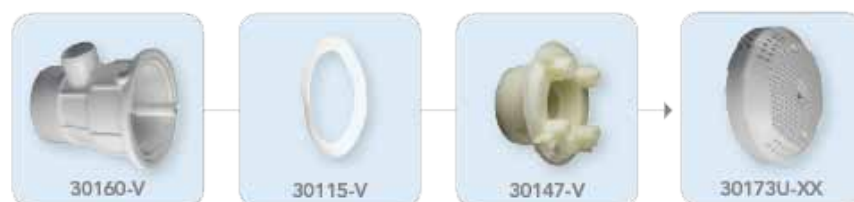


Note: VGB suction 256 GPM are patented under US Patent No. 8,191,183.

179 GPM Suction Flow



124 GPM Suction Flow





VGB 256 GPM

Material No: 30420U-XX*

Descriptions:

Suction Cover With Screw.



VGB 256 GPM

Material No: 30173U-XX*

Descriptions:

Suction Cover With Screw.



VGB 2008 BUTTRESS

Material No: 30341-XX*

Descriptions:

VGB Buttress Suction Fitting x 2.5"
Custom Slip.



VGB 2008 BUTTRESS

Material No: 30147-V

Descriptions:

Suction Wall Fitting 4POST 4-30133.



GASKET

Material No: 30234-V

Descriptions:

211 GPM Suction Gasket



GASKET

Material No: 30236-V

Also Available:
Material No: 30115-V
Suction Gasket

Descriptions:

211 GPM Suction Gasket.

* Replace XX with the corresponding product color before placing your order.

Suctions

124, 179 And 256 GPM Suction



SUCTION CENTER RING

Material No: 30238

Descriptions: Suction Center Ring.



NUT

Material No: 30239-V

Descriptions: Nut For 30341/30241/30248.



SAFETY SUCTION

Material No: 30169-V

Descriptions: 2.5" Spiget x .75" Smooth Barb S.



SAFETY SUCTION

Material No: 30167-V

Descriptions: 2" Spiget X Custom Spiget X .75" Smooth.



SLIP THREADED

Material No: 30160-V

Descriptions: 2" Spiget X .5" Slip Threaded.



TUBING

Material No: 63414

Descriptions: Tubing 18ft Long.



MANIFOLDS & BARBS



SpaManifoldsBarbs

Your Single Source Solution

made in the usa

BALBOA
water group

Manifolds

½" and 1" Spa Air Manifolds



AIR MANIFOLD

Material No: 10316-V

Box Qty: 50

Descriptions: (2) 3/8" Smooth Barb x 1/2" Spigot



AIR MANIFOLD

Material No: 72016

Box Qty: 50

Descriptions: (6) 3/8" Smooth Barb x (2) 1/2" Slip



AIR MANIFOLD

Material No: 72024

Box Qty: 50

Descriptions: (4) 3/8" Smooth Barb x 1/2" Spigot



AIR MANIFOLD

Material No: 72025

Box Qty: 25

Descriptions: (5) 3/8" Smooth Barb x 1/2" Spigot



AIR MANIFOLD

Material No: 72082

Box Qty: 50

Also Available in:
Metric 72082M

Descriptions: (8) 3/8" Barb (1" Slip x 1" Spigot) with 1" Cap. Metric (8) 10mm Barb (32mm Slip x 1" Spigot) with 1" Cap.



AIR MANIFOLD

Material No: 72080

Box Qty: 50

Also Available in:
Metric 72080M

Descriptions: (8) 3/8" Barb (2x1" Spigot x 1" Slip) with 1" Cap. Metric (8) 10mm Barb (2x1 Spigot x 32mm Slip) with 1" Cap.



AIR MANIFOLD

Material No: 72098

Box Qty: 25

Descriptions: (8) 3/8" Barb (1" Slip x 1" Spigot)



AIR MANIFOLD

Material No: 72097

Box Qty: 50

Descriptions: 72091 with Plugged End



AIR MANIFOLD

Material No: 72004

Box Qty: 50

Descriptions: (4) 3/8" Barb x 1" Spigot



AIR MANIFOLD

Material No: 72091

Box Qty: 50

Descriptions: (4) 3/8" Barb (1" Slip x 1" Spigot)



AIR MANIFOLD

Material No: 72095M

Box Qty: 50

Descriptions: (4) 3/8" Barb (32mm Slip x 32mm Spigot)



AIR MANIFOLD

Material No: 72005

Box Qty: 50

Descriptions: (5) 3/8" Barb x 1" Spigot

Manifolds

1/2" and 1" Spa Air Manifolds

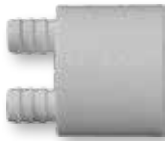


AIR MANIFOLD

Material No: 72092

Box Qty: 25

Descriptions: (2) 3/8" Barb x 1" Spigot



AIR MANIFOLD

Material No: 72094

Box Qty: 25

Descriptions: (2) 3/8" Barb x 1" Slip



AIR MANIFOLD

Material No: 73812

Box Qty: 25

Descriptions: 3/8" Smooth Barb x 1" Spigot



AIR MANIFOLD

Material No: 73810

Box Qty: 50

Descriptions: 3/8" 90° Barb x 1" Spigot
(use with Manifold 72091/72080/72082)

MANIFOLDS & BARBS



AIR MANIFOLD 4-PORT

Material No: 53015700

Box Qty: 50

Size:
3/8" Barbed x 1" Socket x 1" Spigot

Descriptions: 3/8" Barbed x 1" Socket x 1" Spigot



AIR MANIFOLD 12-PORT

Material No: 53016200

Box Qty: 50

Size:
3/8" Barbed x 1" Spigot x 1" Spigot

Descriptions: 3/8" Barbed x 1" Spigot x 1" Spigot



AIR MANIFOLD 6-PORT

Material No: 53015400

Box Qty: 50

Size:
3/8" Barbed x 1" Socket x 1" Spigot

Descriptions: 3/8" Barbed x 1" Socket x 1" Spigot



AIR MANIFOLD 16-PORT

Material No: 53015500

Box Qty: 10

Size:
3/8" Barbed x 1.5" Socket x
1.5" Spigot

Descriptions: 3/8" Barbed x 1.5" Socket x 1.5" Spigot



AIR MANIFOLD 6-PORT

Material No: 53015600

Box Qty: 25

Size:
3/8" Barbed x 1" Socket x 1"
Spigot Tee

Descriptions: 3/8" Barbed x 1" Socket x 1" Spigot Tee

Manifolds

1 1/2" Spa Air Manifolds



AIR MANIFOLD

Material No: 72085

Box Qty: 25

Descriptions: (8) 3/8" Barb (1 1/2" Slip x 1 1/2" Spigot)



AIR MANIFOLD

Material No: 72086

Box Qty: 25

Descriptions: 72084 with Plugged Spigot End



AIR MANIFOLD

Material No: 72084

Box Qty: 25

Descriptions: (16) 3/8" Barb (1 1/2" Slip x 1 1/2" Spigot)



PLUG FOR 3/8" BARBS

Material No: 20203-V

Box Qty: 50

Descriptions: Plug for 3/8" Barbs

MANIFOLDS & BARBS



1 1/2" SPA WATER MANIFOLDS

Material No: 72044

Box Qty: 10

Also Available In: 72044M

Descriptions: (4) 3/4" Barb (1 1/2" Slip x 1 1/2" Spigot)
Metric (4) 3/4" Barb (50mm Slip x 1 1/2" Spigot)



1 1/2" SPA WATER MANIFOLDS

Material No: 72060

Box Qty: 10

Descriptions: (6) 1/2" Slip x 1 1/2" Slip x 1 1/2" Spigot
with Plug



1 1/2" SPA WATER MANIFOLDS

Material No: 72010

Box Qty: 50

Descriptions: (10) 1/2" Slip x 1 1/2" Slip x 1 1/2" Spigot



1 1/2" SPA WATER MANIFOLDS

Material No: 72062

Box Qty: 25

Descriptions: (6) 1/2" Slip x 1 1/2" Slip x 1 1/2" Spigot

Manifolds

1 1/2" Spa Water Manifolds



1 1/2" SPA WATER MANIFOLD

Material No: 72066

Box Qty: 50

Descriptions: | 12-Port (72060+72062 Glued)



1 1/2" SPA WATER MANIFOLD

Material No: 72056

Box Qty: 50

Descriptions: | (6) 1/2" Slip x 1 1/2" Slip



1 1/2" SPA WATER MANIFOLD

Material No: 72088

Box Qty: 25

Also Available In:

72088M – Metric

Descriptions: | (8) 3/4" Barb (1 1/2" Slip x 1 1/2" Spigot)
Metric (8) 3/4" Barb (50mm) Slip x 1 1/2" Spigot



CHECK VALVE

Material No: 42170

Box Qty: 50

Color: White

Also Available In:

42172 - 3/32 lb

Descriptions: | Compact Blower Check Valve x 1 1/2" Slip.
1/4 lb.



1 1/2" SPA WATER MANIFOLD

Material No: 72083

Box Qty: 75

Descriptions: (4) 3/4" Barb (1 1/2" Slip x 1 1/2" Spigot)



1 1/2" SPA WATER MANIFOLD

Material No: 72048

Box Qty: 50

Descriptions: Plug for 3/4" Barbs

Manifolds

2" Spa Water Manifolds



2" SPA WATER MANIFOLD

Material No: 73822

Box Qty: 25

Descriptions: 3/4" Barb x 2" Spigot



2" SPA WATER MANIFOLD

Material No: 72079

Box Qty: 150

Descriptions: (2) 3/4" Barb x 2" Spigot



2" SPA WATER MANIFOLD

Material No: 72048

Box Qty: 50

Descriptions: Plug for 3/4" Barb



2" SPA WATER MANIFOLD

Material No: 72058

Box Qty: 150

Descriptions: (6) 1/2" Slip x 2" Slip



2" SPA WATER MANIFOLD

Material No: 72057

Box Qty: 25

Descriptions: (6) 1/2" Slip x 2" Spigot

MANIFOLDS & BARBS



WATER MANIFOLD 2-PORT

Material No: 53016700

Box Qty: 90

Size:
1/2" Socket x 2" Socket x 2" Spigot

Descriptions: | 1/2" Socket x 2" Socket x 2" Spigot



WATER MANIFOLD 2-PORT

Material No: 53016600

Box Qty: 25

Size:
3/4" Socket x 2" Socket x 2" Spigot

Descriptions: | 3/4" Socket x 2" Socket x 2" Spigot



WATER MANIFOLD 3-PORT

Material No: 943561

Box Qty: 40

Size:
1" Socket x 2" Socket x 2" Spigot

Descriptions: | 1" Socket x 2" Socket x 2" Spigot



WATER MANIFOLD 4-PORT

Material No: 53016400

Box Qty: 30

Size:
1/2" Socket x 2" Socket x 2" Spigot

Descriptions: | 1/2" Socket x 2" Socket x 2" Spigot



WATER MANIFOLD 4-PORT

Material No: 53016100

Box Qty: 24

Size:
3/4" Socket x 2" Socket x 2" Spigot

Descriptions: | 3/4" Socket x 2" Socket x 2" Spigot



WATER MANIFOLD 2-PORT

Material No: 53016000

Box Qty: 15

Size:
3/4" Socket x 2" Socket x 2" Spigot

Descriptions: | 3/4" Socket x 2" Socket x 2" Spigot

Manifolds

2" Spa Water Manifolds



WATER MANIFOLD 6-PORT

Material No: 955300

Box Qty: 10

Size: 3/4" Socket x 2" Socket x 2" Spigot

Descriptions: 3/4" Socket x 2" Socket x 2" Spigot



WATER MANIFOLD 6-PORT

Material No: 977600

Box Qty: 10

Size: 1" Socket x 2" Socket x 2" Spigot

Descriptions: 1" Socket x 2" Socket x 2" Spigot

MANIFOLDS & BARBS



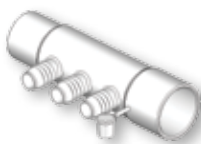
WATER MANIFOLD 2-PORT

Material No: 53016500

Box Qty: 70

Size:
3/4" Barbed x 2" Socket x 2" Spigot

Descriptions: | 3/4" Barbed x 2" Socket x 2" Spigot



WATER MANIFOLD 3-PORT

Material No: 943562

Box Qty: 30

Size:
1" Barbed x 2" Socket x 2" Spigot

Descriptions: | 1" Barbed x 2" Socket x 2" Spigot with plug



WATER MANIFOLD 4-PORT

Material No: 53016300

Box Qty: 70

Size:
3/4" Barbed x 2" Socket x 2" Spigot

Descriptions: | 3/4" Barbed x 2" Socket x 2" Spigot



WATER MANIFOLD 4-PORT

Material No: 94023400

Box Qty: 50

Size:
3/4" Socket x 2" Socket x 2" Socket

Descriptions: | 3/4" Socket x 2" Socket x 2" Socket



WATER MANIFOLD 6-PORT

Material No: 955100

Box Qty: 20

Size:
3/4" Barbed x 2" Socket x 2" Spigot

Descriptions: | 3/4" Barbed x 2" Socket x 2" Spigot



WATER MANIFOLD 6-PORT

Material No: 955200

Box Qty: 45

Size:
3/4" Barbed x 2" Socket x 2" Spigot x 1.5" Socket Tee

Descriptions: | 3/4" Barbed x 2" Socket x 2" Spigot x 1.5" Socket Tee

Manifolds

Blind End Barbed Spa Water Manifolds



WATER MANIFOLD 2-PORT

Material No: 944410

Box Qty: 75

Size: 3/4" barbed x 2" socket x blind

Descriptions: 2 Port: 3/4" Barbed x 2" Socket x Blind



WATER MANIFOLD 3-PORT

Material No: 943560

Box Qty: 20

Size: 1" barbed x 2" socket x blind with plug

Descriptions: 3 Port: 1" Barbed x 2" Socket x Blind with Plug



WATER MANIFOLD 4-PORT

Material No: 944406

Box Qty: 35

Size: 3/4" barbed x 2" socket x blind

Descriptions: 4 Port: 3/4" Barbed x 2" Socket x Blind



1 1/2" SPA WATER MANIFOLD

Material No: 72089

Box Qty: 25

Also Available In:

72089M – Metric

Descriptions: (8) 3/4" Barb (1 1/2" Slip x Plugged Spigot End) Metric (8) 3/4" Barb (50mm Slip x Plugged Spigot End)



1 1/2" SPA WATER MANIFOLDS

Material No: 72045

Box Qty: 25

Also Available In:

72045M – Metric

Descriptions: (4) 3/4" Barb (1 1/2" Slip) Plugged
Metric (4) 3/4" Barb (50mm Slip) Plugged



WATER MANIFOLD 2-PORT

Material No: 944407

Box Qty: 15

Size: 1/2" Socket x 2" Socket x Blind

Descriptions: 1/2" Socket x 2" Socket X Blind



WATER MANIFOLD 2-PORT

Material No: 944408

Box Qty: 25

Size: 3/4" Socket x 2" Socket x Blind

Descriptions: 3/4" Socket x 2" Socket x Blind



WATER MANIFOLD 3-PORT

Material No: 943559

Box Qty: 20

Size: 1" Socket x 2" Socket x Blind

Descriptions: 1" Socket x 2" Socket x Blind



WATER MANIFOLD 4-PORT

Material No: 944403

Box Qty: 10

Size: 1/2" Socket x 2" Socket x Blind

Descriptions: 1/2" Socket x 2" Socket x Blind



WATER MANIFOLD 4-PORT

Material No: 944404

Box Qty: 10

Size: 3/4" Socket x 2" Socket x Blind

Descriptions: 3/4" Socket x 2" Socket x Blind



WATER MANIFOLD 4-PORT

Material No: 944405

Box Qty: 10

Size: 1" Socket x 2" Socket x Blind

Descriptions: 1" Socket x 2" Socket x Blind

Manifolds

Flow Through Air Plugs



AIR MANIFOLD PLUG

Material No: 943555

Box Qty: 50



MANIFOLD PLUG FOR 3/4" SOCKET

Material No: 86003400

Box Qty: 25

Descriptions:

Adapter from PN 80282 Loop to 1" Slip.



MANIFOLD PLUG FOR 1/2" SOCKET

Material No: 86003500

Box Qty: 25



MANIFOLD PLUG FOR 1" SOCKET

Material No: 86003800

Box Qty: 25

Descriptions:

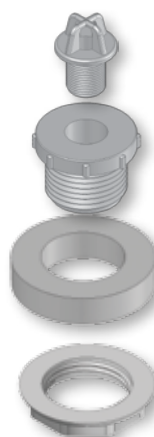
Compact Blower Check Valve x 1 1/2" Slip.
1/4 lb.



MANIFOLD PLUG FOR 3/4" BARBED

Material No: 47321900

Box Qty: 75



THERMO SENSOR GUARD KIT

Material No: 5115009

Box Qty: 25

THERMO SENSOR THREAD

THERMO SENSOR THREAD

THERMO SENSOR RING

THERMO SENSOR NUT



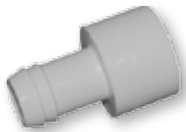
¾" SPA BARB FITTINGS

Material No: 72070

Box Qty: 200

Descriptions:

¾" 45° Barb x 1" Slip



¾" SPA BARB FITTINGS

Material No: 72602

Box Qty: 200

Descriptions:

¾" Barb x 1" Spigot (¾" Slip)



¾" SPA BARB FITTINGS

Material No: 73410

Box Qty: 50

Descriptions:

¾" Barb x ¾" Barb x 1" Barb
Wye Fitting



¾" SPA BARB FITTINGS

Material No: 72087

Box Qty: 25

Descriptions:

(2) ¾" Barbs x 1" Slip x 1" Spigot



¾" SPA BARB FITTINGS

Material No: 73403

Box Qty: 50

Descriptions:

¾" Barb Wye Fitting



¾" SPA BARB FITTINGS

Material No: 73434

Box Qty: 50

Descriptions:

¾" Barb x ¾" Spigot (½" Slip).

Barb Fittings

3/4" Spa Barb Fittings

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3/4" SPA BARB FITTINGS

Material No: 73480

Box Qty: 25

Descriptions: 3/4" Barb x 1/2" Spigot



3/4" SPA BARB FITTINGS

Material No: 73490

Box Qty: 25

Descriptions: 3/4" 90° Barb x 1/2" Spigot



3/4" SPA BARB FITTINGS

Material No: 73590

Box Qty: 50

Descriptions: 3/4" 90° Barb x 1/2" Spigot, Long

MANIFOLDS & BARBS



1/2" SPA BARB FITTINGS

Material No: 73895

Box Qty: 50

Descriptions:

1/2" 90° Barb x 1/2" Spigot



1/2" SPA BARB FITTINGS

Material No: 73897

Box Qty: 100

Descriptions:

1/2" Barb x 3/4" Slip x 3/4" Slip Tee

Barb Fittings

3/8" Spa Barb Fittings

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3/8" SPA BARB FITTINGS

Material No: 73790

Box Qty: 25

Descriptions: 3/8" 90° Barb x 1/2" Slip (3/4" Spigot)



3/8" SPA BARB FITTINGS

Material No: 73810

Box Qty: 50

Descriptions: 3/8" 90° Barb x 1" Spigot (Use with Manifolds 72091/72097/72098/72080/72082)



3/8" SPA BARB FITTINGS

Material No: 73812

Box Qty: 25

Descriptions: 3/8" Smooth Barb x 1" Spigot



3/8" SPA BARB FITTINGS

Material No: 73818

Box Qty: 50

Descriptions: 3/8" Barb x 1/2" Spigot



3/8" SPA BARB FITTINGS

Material No: 73890

Box Qty: 50

Descriptions: 3/8" 90° Barb x 1/2" Spigot



3/8" SPA BARB FITTINGS

Material No: 73893

Box Qty: 50

Descriptions: 3/8" Barb Tee



3/8" SPA BARB FITTINGS

Material No: 73894

Box Qty: 50

Descriptions: 3/8" 4-Way Barbed Tee



3/8" SPA BARB FITTINGS

Material No: 73990

Box Qty: 25

Descriptions: 3/8" 90° Barb x 1/2" Spigot, Long

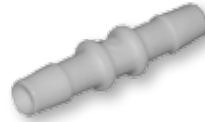


3/8" SPA BARB FITTINGS

Material No: 00375

Box Qty: 200

Descriptions: 3/8" Saddle Barb for 1 1/2" Schedule 40 PVC Pipe



3/8" SPA BARB FITTINGS

Material No: 73896

Box Qty: 50

Descriptions: 3/8" Barb Coupling

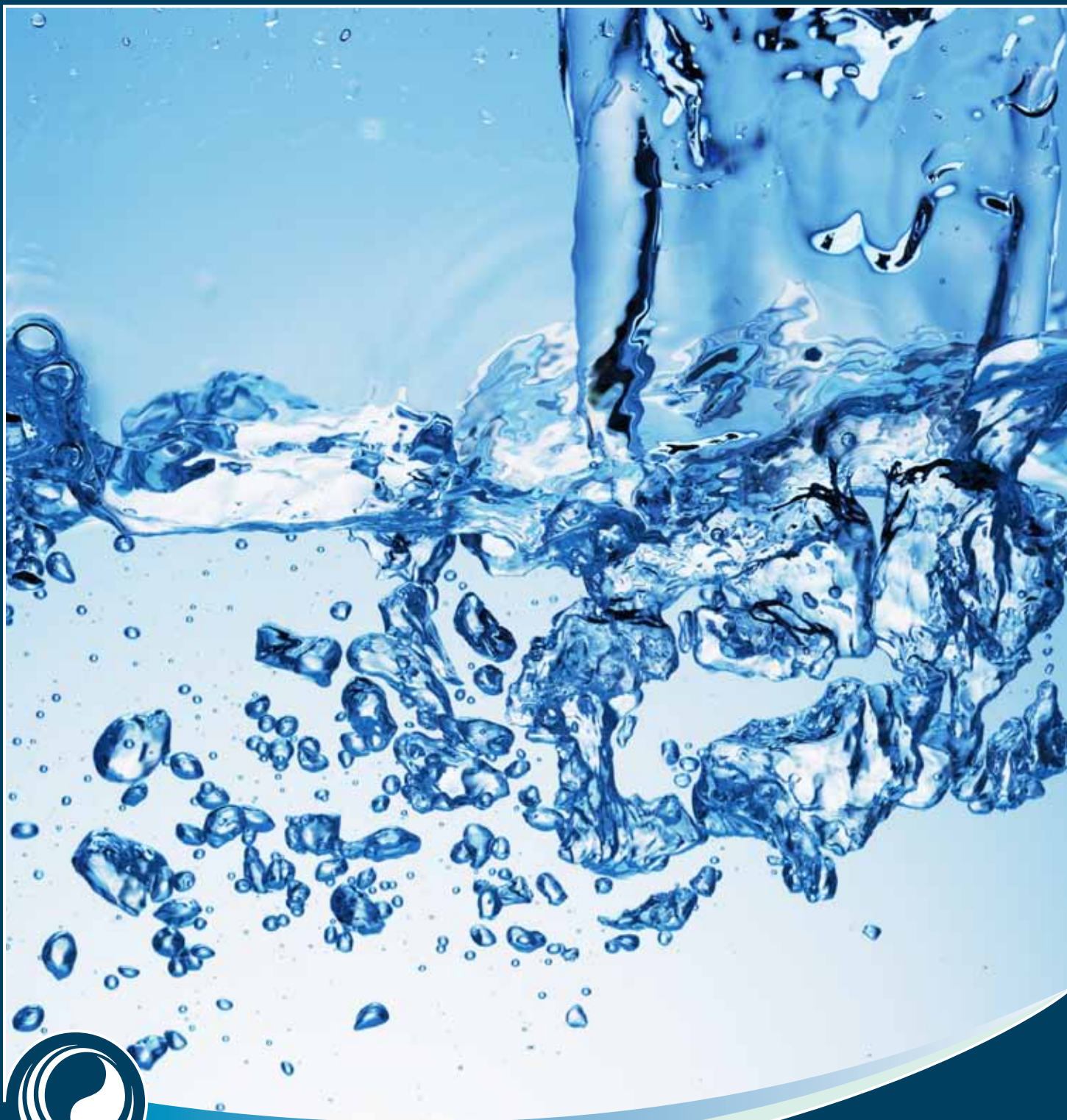


3/8" SPA BARB FITTINGS

Material No: 00372

Box Qty: 200

Descriptions: 3/8" Saddle Barb for 2" Schedule 40 PVC Pipe



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SPA FITTINGS

NOTES:

[illegible]



**TEE DIMENSIONS ARE
SLIP X SLIP X SLIP**

1/2" Bulk Qty. 50 Order Code: 401-005
3/4" Bulk Qty. 50 Order Code: 401-007
1" Bulk Qty. 50 Order Code: 401-010
1½" Bulk Qty. 25 Order Code: 401-015
2" Bulk Qty. 25 Order Code: 401-020

1"x1"x1/2"
Bulk Qty. 50 Order Code: 401-130
1"x1"x1½"
Bulk Qty. 25 Order Code: 401-133



**90° STREET ELBOWS ARE
SPIGOT X SLIP**

1/2" Bulk Qty. 50
Order Code: 409-005
1" Bulk Qty. 50
Order Code: 409-010
1½" Bulk Qty. 25
Order Code: 409-015
2" Bulk Qty. 10
Order Code: 409-020



**45° STREET ELBOWS ARE
SPIGOT X SLIP**

1" Bulk Qty. 50
Order Code: 427-010
1½" Bulk Qty. 25
Order Code: 427-015
2" Bulk Qty. 50
Order Code: 427-020



90° ELBOWS ARE SLIP X SLIP

1/2" Bulk Qty. 50
Order Code: 406-005
1" Bulk Qty. 50
Order Code: 406-010
1½" Bulk Qty. 30
Order Code: 406-015
2" Bulk Qty. 25
Order Code: 406-020

1" x 1/2"
Bulk Qty. 50
Order Code: 406-130



45° ELBOWS ARE SLIP X SLIP

1/2" Bulk Qty. 50
Order Code: 417-005
1" Bulk Qty. 50
Order Code: 417-010
1½" Bulk Qty. 25
Order Code: 417-015
2" Bulk Qty. 25
Order Code: 417-020



COUPLINGS ARE SLIP X SLIP

1/2" Bulk Qty. 25
Order Code: 429-005
1" Bulk Qty. 50
Order Code: 429-010
1½" Bulk Qty. 25
Order Code: 429-015
2" Bulk Qty. 25
Order Code: 429-020

Fittings

Schedule 40 Pipe Fittings



REDUCER BRUSHING ARE SPIGOT X SLIP

1" x 1/2" Bulk Qty. 50
Order Code: 437-130
1" x 3/4" Bulk Qty. 50
Order Code: 437-131
1 1/2" x 1" Bulk Qty. 25
Order Code: 437-211
2" x 1 1/2" Bulk Qty. 25
Order Code: 437-251



CAP

1" Bulk Qty. 50
Order Code: 447-010
1 1/2" Bulk Qty. 25
Order Code: 447-015



INVERTED PLUG (SPIGOT)

1/2" Bulk Qty. 100
Order Code: 00055
1" Bulk Qty. 50
Order Code: 00015
2" Bulk Qty. 25
Order Code: 449-015
20mm Bulk Qty. 100
Order Code: 00055M
32mm Bulk Qty. 50
Order Code: 00015M



Speciality Fittings

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SPECIALTY FITTINGS

[illegible]



SPECIALITY FITTINGS

Material No: 515

Box Qty: 250

Descriptions: 11/2" Slip x 1/2" Slip Bell Reducer



SPECIALITY FITTING

Material No: 115

Box Qty: 250

Descriptions: 11/2" Slip x 1" Slip Bell Reducer



SPECIALITY FITTING

Material No: 125

Box Qty: 250

Descriptions: Fits outside diameter of 43006 and 43008
Valve ports to convert 1" slip to 1 1/2" slip



SPECIALITY FITTING

Material No: 30168

Box Qty: 50

Descriptions: 11/2" Street 90° x 1/2" Slip



SPECIALITY FITTING

Material No: 1151

Box Qty: 200

Descriptions: 11/2" Slip x 1" Slip x 11/2" Spigot Tee

Speciality Fittings

For Spas

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SPECIALITY FITTINGS

Material No: 372

Box Qty: 200

Descriptions: 3/8" Saddle barb for 2" Schedule 40 PVC pipe. Also available: 3/8" Saddle barb for 1 1/2" Schedule 40 PVC pipe (P/N 00375-bulk qty. 200)



SPECIALITY FITTINGS

Material No: 300U-BK

Box Qty: 100

Descriptions: Spa cabinet vent 3"



SPECIALITY FITTINGS

Material No: 99814-XX

Box Qty: 25

Descriptions: Ozone outlet cover. Use with 30147 wall fitting.

Replace XX, YYY or ZZZ with the corresponding color on page 302 for ordering.

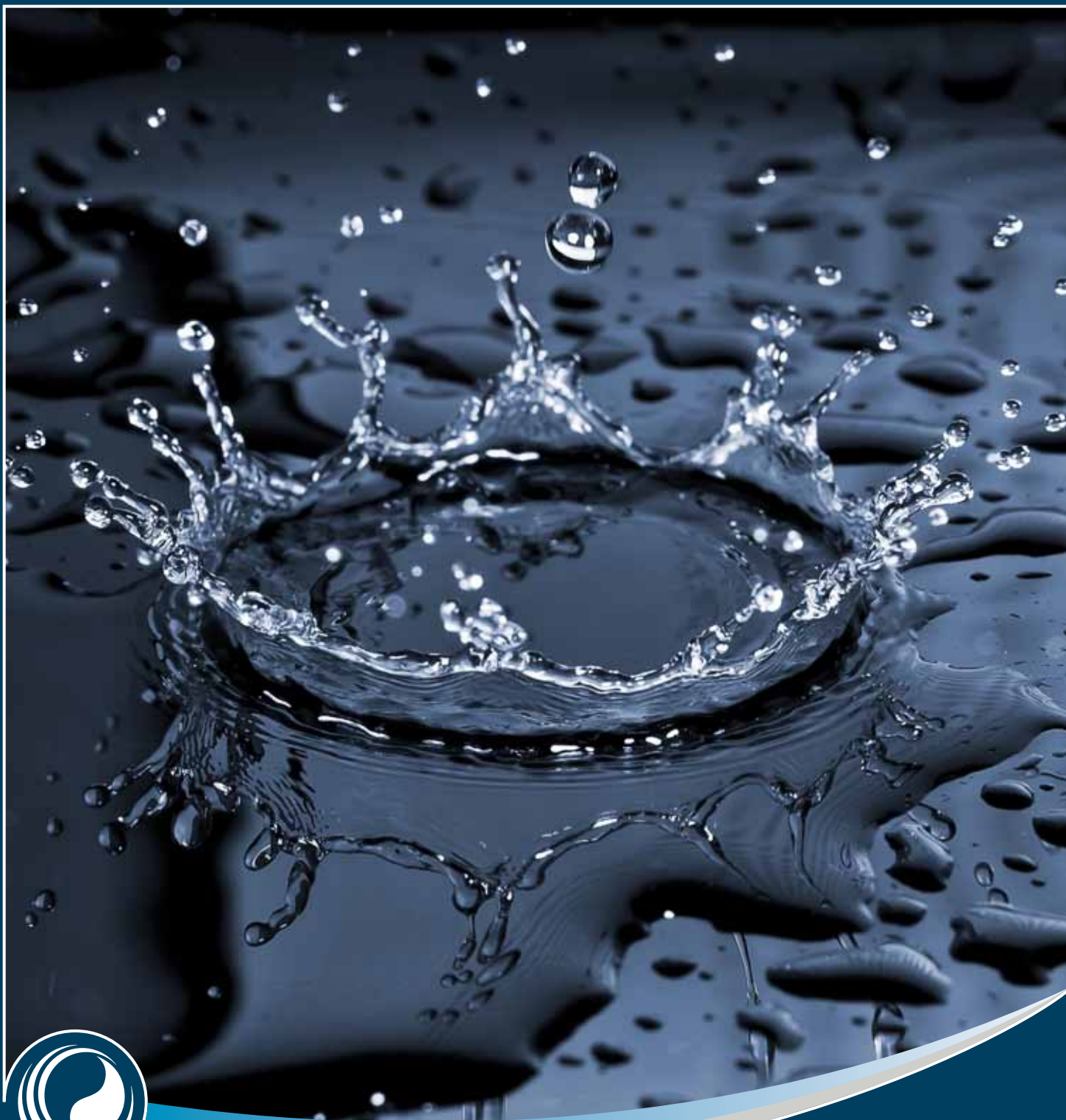
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SpaValves
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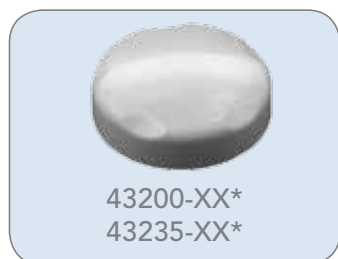
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NOTES:

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Spa Valves

Valves

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CAP

Material No: 43235-XX*

Color: White

Box Qty: 25

Also Available In:
43235U-XX

Descriptions: | 5-Scallop Cap for On/Off Valve



VALVE

Material No: 43030-V

Color: White

Box Qty: 10

Descriptions: | On/Off Valve x 1" Slip



POSI-SEAL™ ON/OFF VALVE

Material No: 11-4033FPZZZ

Box Qty: 20

Descriptions: | 3/4" On/Off Valve.



VALVE

Material No: 43025-V

Color: White

Box Qty: 50

Descriptions: | 90° On/Off Valve x 1" Slip



CAP

Material No: 43200-XX*

Color: White

Box Qty: 25

Also Available In:
43200L-XX
Flat Handle Sub Assembly, Long

Descriptions: | Flat Handle Sub Assembly



HYDROFLOW™ ON/OFF VALVE

Material No: 11-4000ZZZ

Box Qty: 20

Also Available in
11-4000FP

Descriptions: | 3-Way Valve.



HYDROFLOW™ ON/OFF VALVE

Material No: 11-4020 & 11-4020FPZZZ

Box Qty: 20

Also Available in
11-4030 & 11-4030FP
11-4040 & 11-4040FP

Descriptions: | 1" 3-Way Valve
3/4" 3-Way Valve
1/2" 3-Way Valve

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CHECK VALVE

Color: White

Available In:

41115 - 1/4 lb. Spring, UL
(box qty. 50)

41118 - 3/32 lb. Spring UL
(box qty. 5)

41152 - 2 lb. Spring
(box qty. 35)

Descriptions: | 1 1/2" Check Valve



CHECK VALVE

Color: White

Available In:

42150 - 1/4 lb. Spring, UL
(box qty. 35)

42154 - 2 lb. Spring (box qty. 5)

42156 - 3/32 lb. Spring, UL
(box qty. 35)

Descriptions: | 1 1/2" Unionized Check Valve.



CHECK VALVE

Material No: 42152

Box Qty: 70

Descriptions: | Valve Assembly (1/4 lb. Spring)



CHECK VALVE

Material No: 42122

Box Qty: 12

Descriptions: | 2" Check Valve with 1/4 lb. Spring, UL/CSA.



CHECK VALVE

Material No: 42155

Color: White

Box Qty: 70

Also Available In:

42155M - Metric

Descriptions: | Union end tail piece 1 1/2"
Metric Union end tail piece 50mm



INNER O-RING

Box Qty: 100

Descriptions: | Inner O-Ring

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NOTES:

[illegible]



SpaAirControls

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[illegible]



AIR CONTROL

Material No: 13777U-XX*

Color: White

Box Qty: 50

Descriptions: | 1" Gen Underskirt Toggle A/C



AIR CONTROL

Material No: 13776-XX*

Color: White

Box Qty: 25

Descriptions: | 1" Generic Toggle A/C with SLE



AIR CONTROL

Material No: 13594

Color: White

Box Qty: 25

Descriptions: | A/C 1" Silent LG Designer Cap



AIR CONTROL

Material No: 13588

Color: White

Box Qty: 50

Descriptions: | T-Handle Two tone 1" AC ASM



AIR CONTROL

Material No: 13580

Box Qty: 25

Descriptions: | Under-Skirt with Tear Drop Cap – 2 1/2" OD. Also available: 18580 On/Off Stainless Steel (bulk qty. 25)



AIR CONTROL

Material No: 13584

Box Qty: 25

Also Available

13594 Under Skirt with Designer Cap

Descriptions: | Under-Skirt with Designer Cap – 2 1/2" OD. Under Skirt with Designer Cap, Long

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Air Controls

1" Air Controls

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AIR CONTROL

Material No: 13562

Box Qty: 25

Descriptions: Under-Skirt with Smooth Cap – 2 1/2" OD



AIR CONTROL

Material No: 13760

Box Qty: 25

Descriptions: Under-Skirt with Sunburst Design Cap,
Long
– 2 1/2" OD.



AIR CONTROL

Material No: 13590

Box Qty: 25

Also Available

18590 On/Off Stainless Steel Ring

Descriptions: Under-Skirt with Tear Drop Cap, Long
– 2 1/2" OD. On/Off Stainless Steel Ring,
Long (bulk qty. 25)



AIR CONTROL

Material No: 18585-ST

Box Qty: 250

Stainless Steel Deco Ring (On/Off)
for 13580/13590/43400



1" AIR-FLOW ADAPTOR WITH 2 GASKETS (1 1/8" LONG)

Material No: 10351

Box Qty: 25

Also Available: 1" Air-Flow Adaptor
with 2 Gaskets (1 3/4" long)
P/N: 10351L

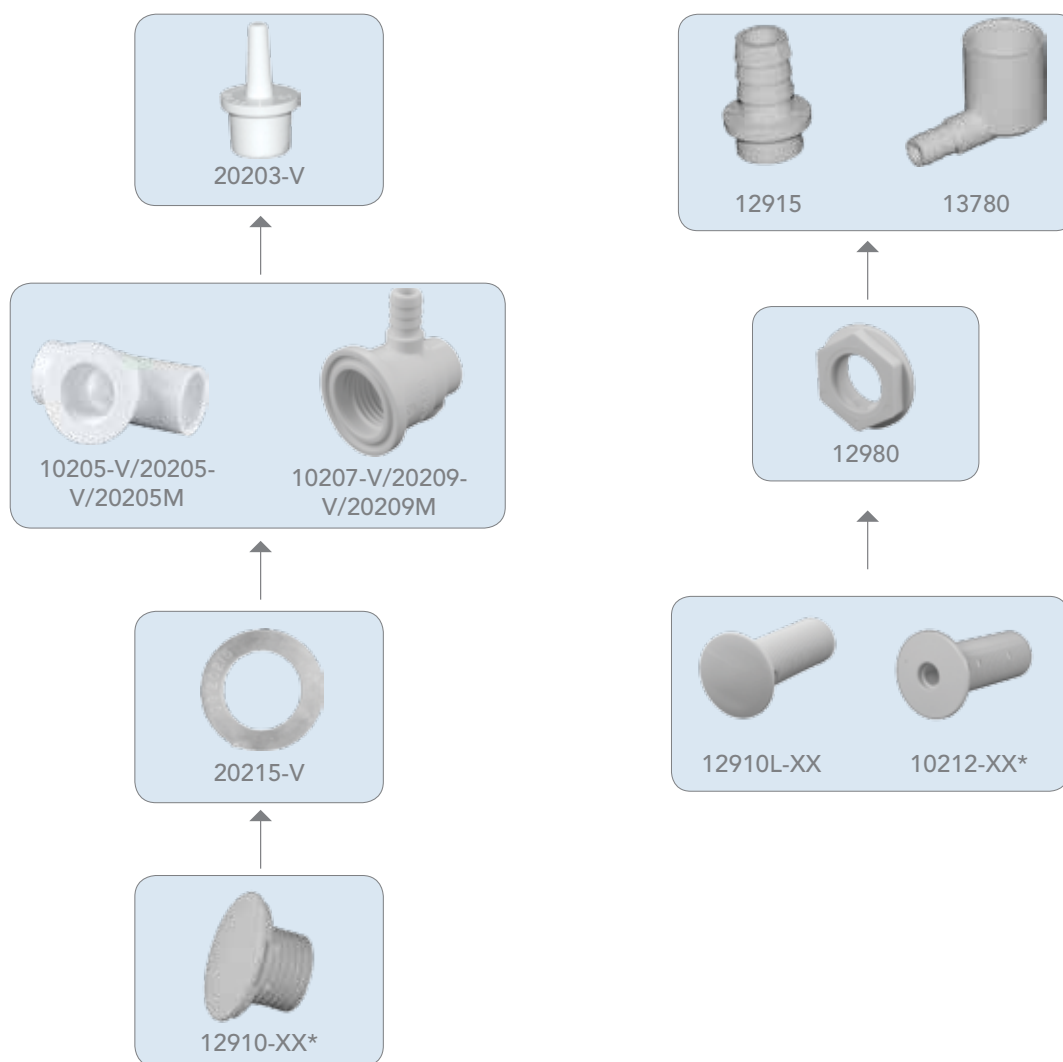


SpaAirInjectors

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Air Injectors

3/8" = 10mm

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AIR INJECTOR

Material No: 10205-V

Box Qty: 25

Also Available in:
10205M Metric

Descriptions: | 1/2" Slip Injector Body
Metric 20mm Slip Injector Body.



AIR INJECTOR

Material No: 10207-V

Box Qty: 50

Descriptions: | 3/8" Barb Injector Body



AIR INJECTOR

Material No: 12910-XX*

Box Qty: 50

Also Available in
12910L-XX*

Descriptions: | 1 1/2" Outside Diameter Slotted Air In-
jector Wall Fitting (11/16" long). Requires
a 3/8" Hex Tool.



AIR INJECTOR

Material No: 20205-V

Box Qty: 50

Also Available in
20205M Metric

Descriptions: | 1/2" Slip Air Ported Micro Bath Jet Body.
Metric 20mm Slip Air Ported Micro Bath
Jet Barb.



AIR INJECTOR

Material No: 20209-V

Box Qty: 500

Also Available in
20209M

Descriptions: | 3/8" Barb Micro Body
Metric 76mm Barb Micro Body



AIR INJECTOR

Material No: 20203-V

Box Qty: 50

Descriptions: | Plug for All 3/8" Barb.
(20205/20209 Micro Body)

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AIR INJECTOR

Material No: 12910L-XX*

Box Qty: 50

Descriptions: | 1 1/2" Outside Slotted Air Injector Wall Fitting 2 3/8" long)



AIR INJECTOR

Material No: 12980

Box Qty: 50

Descriptions: | Nut



AIR INJECTOR

Material No: 13780

Box Qty: 50

Descriptions: | 3/8" 90° Barb x 3/4" Slip



AIR INJECTOR

Material No: 10212-XX*

Box Qty: 25

Descriptions: | Long Air Injector Wall Fitting



AIR INJECTOR

Material No: 12915

Box Qty: 50

Descriptions: | 3/8" Injector Barb



AIR INJECTOR

Material No: 13446U-XX*

Box Qty: 25

Descriptions: | Multi Hole Air Injector Assembly x 3/8" Barb

* Replace XX with the corresponding product color before placing your order.

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DRAIN SYSTEMS



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Spa Drain System

For Spas

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SPA DRAIN PANEL NICHE

Material No: 40115-XX*

Box Qty: 25

Also Available in:
41924-BK

Descriptions: | With Four Screws



SPA DRAIN CAP

Material No: 41930-XX*

Box Qty: 25

Descriptions: | 1/2" Slip Body and Nut
(Thread length approx. 2 1/4")



SPA DRAIN CAP

Material No: 41927-XX*

Box Qty: 25

Descriptions: | 3/4" Barb Body and Nut
(Thread length approx. 1 5/8")



COVER

Material No: 41950

Cover, Wall Fitting (11/16" Long) and
1/2" Slip Body

Bulk Qty. 200

Material No: 41950L

Cover, Wall Fitting (1" Long) and
1/2" Slip Body

Bulk Qty. 200



COVER

Material No: 41975

Cover, Wall Fitting (11/16" Long)
and
3/4" Barb Body

Bulk Qty. 25

Material No: 41975L

Cover, Wall Fitting (1" Long) and
3/4" Barb

Bulk Qty. 25



SPA DRAIN NICHE WITH NUT

Material No: 41920-XX*

Box Qty: 200

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FILTER FITTINGS



SpaFilterFittings

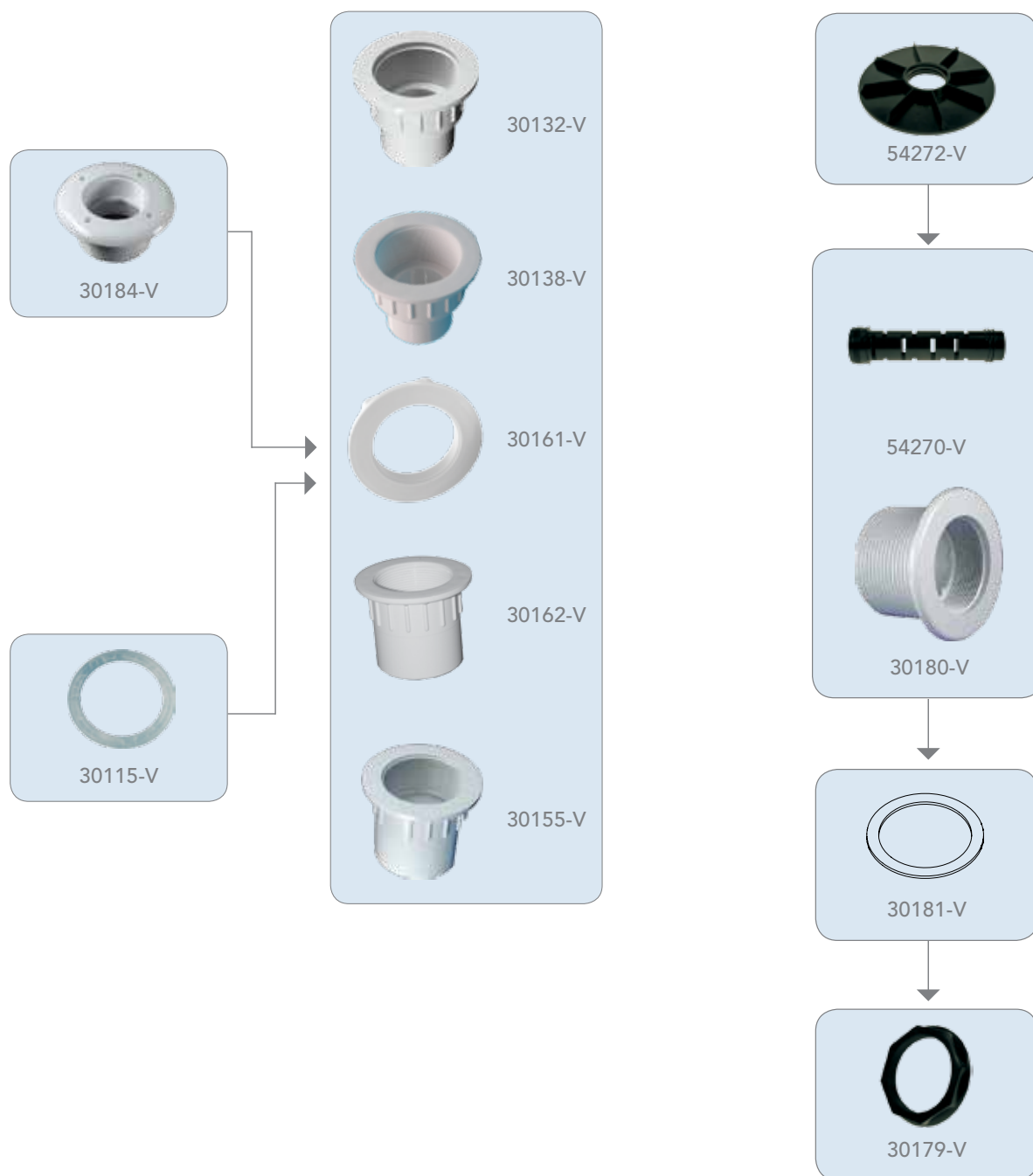
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NOTES:

[illegible]



Bulkhead & Cartridge

Filter Fittings

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FILTER FITTINGS

Material No: 54272-V

Box Qty: 50

Descriptions:

Filter Lid Black



FILTER FITTINGS

Material No: 30180-V

Box Qty: 25

Descriptions:

Filter Bulkhead Wall Fittings x 2" Slip



FILTER FITTINGS

Material No: 30179-V

Box Qty: 200

Descriptions:

Nut - Fits Filter Bulkhead Wall Fitting 30180



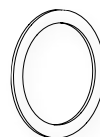
FILTER FITTINGS

Material No: 54270-V

Box Qty: 50

Descriptions:

Filter Spindle



FILTER FITTINGS

Material No: 30181-V

Box Qty: 25

Descriptions:

Gasket - fits Filter Bulkhead Wall Fitting 30180



FILTER FITTINGS

Material No: 30184-V

Box Qty: 25

Descriptions:

1 1/2" Bulkhead Fitting x 1 1/2" Slip



FILTER FITTINGS

Material No: 30115-V

Box Qty: 50

Descriptions: | Standard Wall Fitting Gasket



FILTER FITTINGS

Material No: 30155-V

Box Qty: 25

Descriptions: | 1 1/2" Slip Threaded Adaptor



FILTER FITTINGS

Material No: 30162-V

Box Qty: 25

Descriptions: | 2" Slip threaded Adaptor



FILTER FITTINGS

Material No: 30161-V

Box Qty: 50

Descriptions: | Nut



FILTER FITTINGS

Material No: 30138-V

Box Qty: 25

Also Available In:
30138M - Metric

Descriptions: | 1 1/2" Spigot Threaded Adaptor
Metric 50mm Spigot Threaded Adaptor



FILTER FITTINGS

Material No: 30132-V

Box Qty: 25

Descriptions: | 2" Spigot Threaded Adaptor



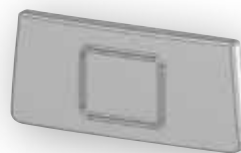
WEIR DOOR

Material No: 940203YYY

Box Qty: 4

Descriptions:

14.75" (HT) X 20.125" (LT) X 1.31" (WD).
Limited colors available.



WEIR LID

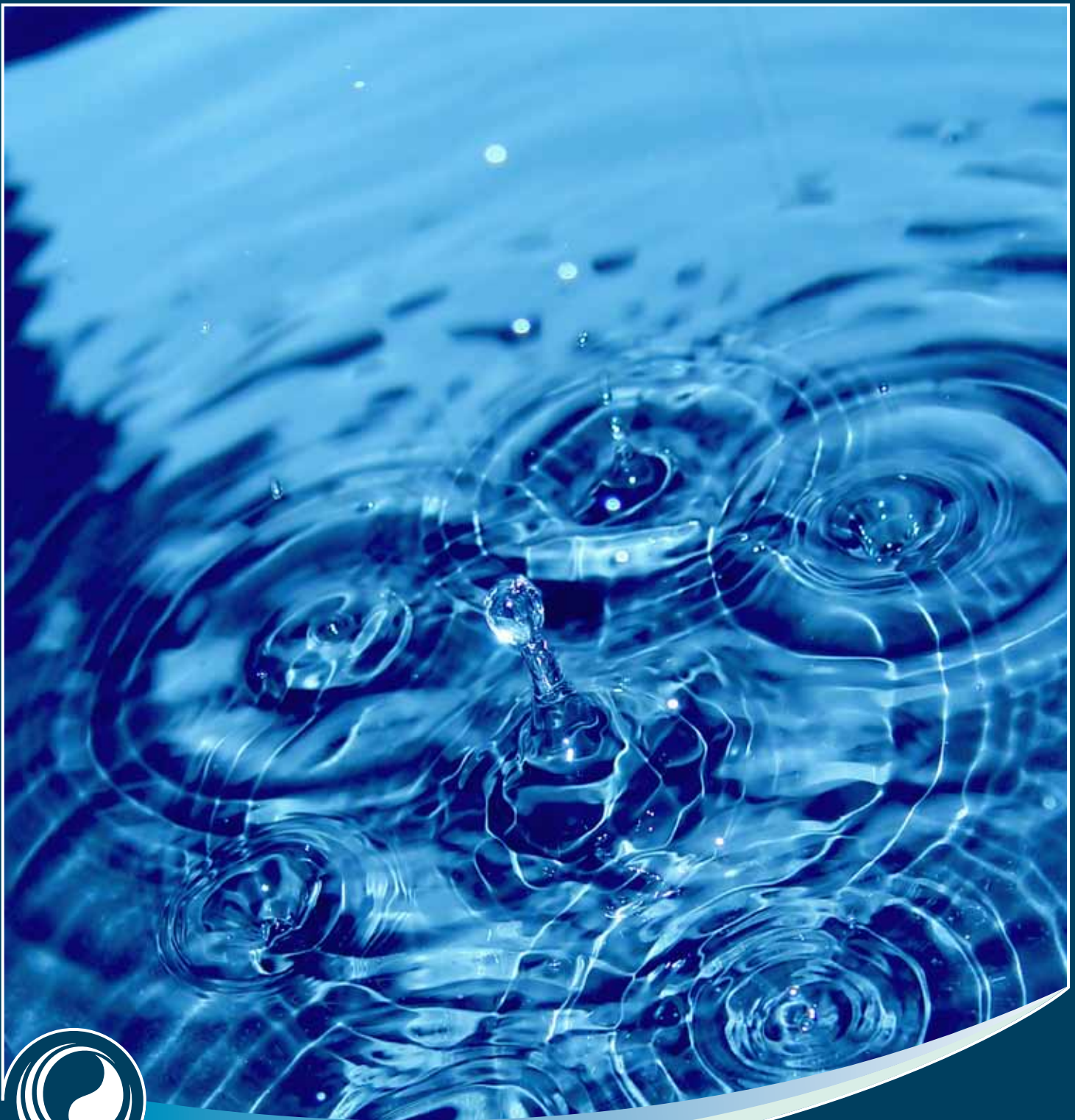
Material No: 940205YYY

Box Qty: 4

Descriptions:

1.700" (HT) x 9.500" (LT) x 21.152" (WD).
Limited colors available.

* Replace YYY with the corresponding product color before placing your order.



CONTROL SYSTEMS

ControlSystems

Your Single Source Solution

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NEW

BP501/601

"The Next Generation of Spa Controls"

- Wi-Fi Ready
- New Features in New Enclosure
- The first of a new series of systems
- Press & Hold Buttons for ease of use
- Based on Balboa's most popular model's
- Higher flame retardant and impact resistant materials



Made in the USA

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water group

Controls & Panels

BP501/601 System And Panels

BALBOA
water group

Incomparable System Reliability

The BP501/601 is the first of a new series based on Balboa's most popular models, utilizing advanced technology and higher flame retardent and impact resistant materials. Wi-Fi Enabled with press and hold buttons for ease of use, meet the newly designed BP501/601.

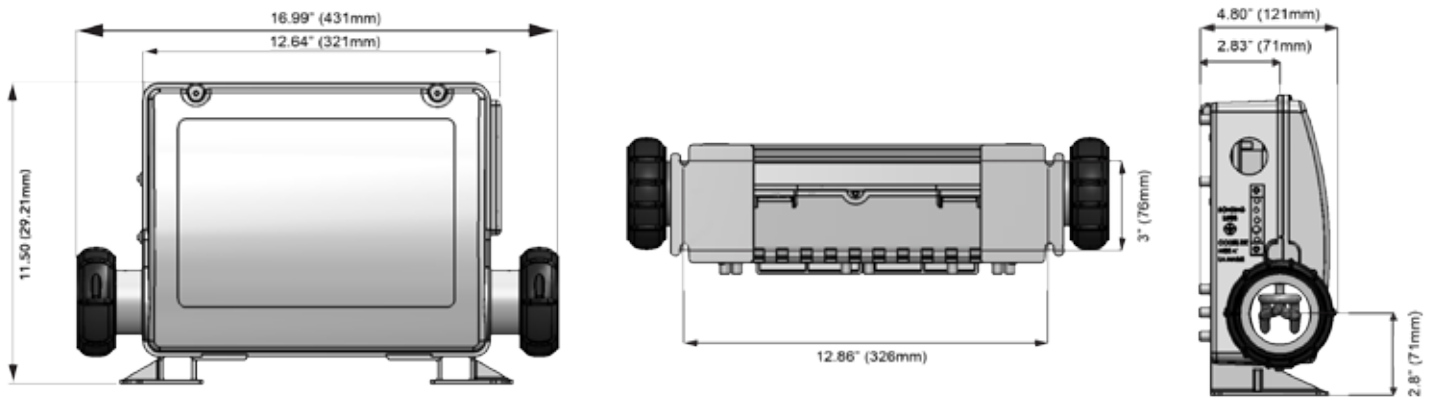
System Specifications

Voltage Supply: (BP501: 120V or 240V)

Sensors: M7 patented temperature probes

Certifications: (BP501: UL recognized) (BP601: NEMKO)

Spa Lights Controls: 1 Amp Max



Announcing Balboa's NEW Plug N' Click Heater

No need to deal with heater straps, screws, wrenches, or broken copper straps. All you need to do is plug-and-click and you're done!

Now included in all BP systems.

Learn more visit www.balboawatergroup.com/Plug-and-Click-Heater



BP501 System Specifications (UL Recognized)

Material No.	Descriptions	Pump 1	Pump 2 or Blower	Pump 3 (Optional w/ Expander Card)	Heater
56485	SYSTEM BALBOA BP501G1 800INC – 60 Hz	2 spd or 1 spd w/ Circ	1 spd	NA	5.5 kW 800 Incoloy
56586	SYSTEM BALBOA BP501G1 825INC – 60 Hz	2 spd or 1 spd w/ Circ	1 spd	NA	5.5 kW 825 Incoloy
56487	SYSTEM BALBOA BP501G1 TITAN – 60 Hz	2 spd or 1 spd w/ Circ	1 spd	NA	5.5 kW Titanium
56480	SYSTEM BALBOA BP501G2 800INC	2 spd or 1 spd w/ Circ	1 spd	2 spd	5.5 kW 800 Incoloy
56486	SYSTEM BALBOA BP501G2 825INC	2 spd or 1 spd w/ Circ	1 spd	2 spd	5.5 kW 825 Incoloy
56482	SYSTEM BALBOA BP501G2 Titanium	2 spd or 1 spd w/ Circ	1 spd	2 spd	5.5 kW Titanium

Note: Refer to tech sheet for optional devices and setups.

Material No.	Descriptions
55911	2" Tailpieces (2-Speed Pump 1). Compatible Plumbing Kits (Coupling nuts and seals included).

BP601 System Specifications - Single Phase (CE Recognized)

Material No.	Descriptions	Pump 1	Pump 2 or Blower	Pump 3 (Optional w/ Expander Card)	Heater
56497	SYSTEM BALBOA BP601G1 800INC – 50 Hz	2 spd or 1 spd w/ Circ	1 spd	NA	3.0 kW 800 Incoloy
56598	SYSTEM BALBOA BP601G1 825INC – 50 Hz	2 spd or 1 spd w/ Circ	1 spd	NA	3.0 kW 825 Incoloy
56499	SYSTEM BALBOA BP601G1 TITAN – 50 Hz	2 spd or 1 spd w/ Circ	1 spd	NA	3.0 kW Titanium

Note: Refer to tech sheet for optional devices and setups.

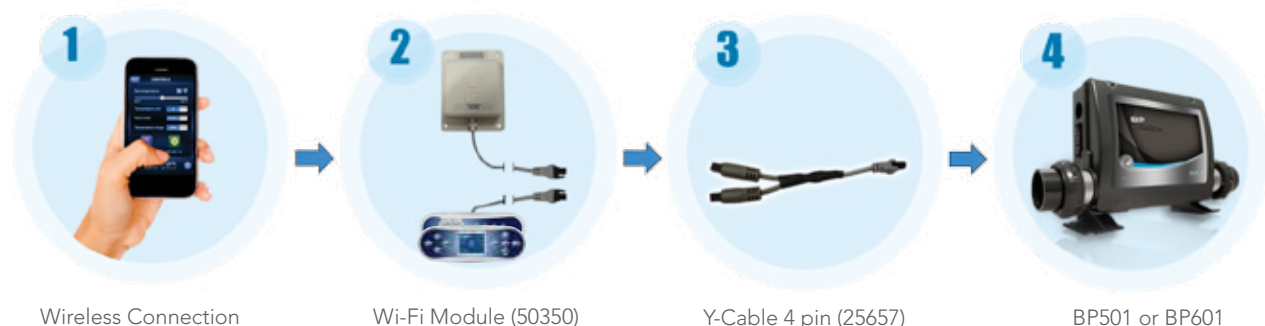
Controls & Panels

BP501/601 System And Panels

BALBOA
water group

Wireless System Control

Now you can control your system wirelessly. With a few simple connections and some additional hardware you can have full control of your spa system. To download the software go to the Apple Apps store and download the free spa app, run through the quick setup and your done.



Powerful, Yet Simple Userface

A sleek new topside panel includes a large easy to read back-lit LCD with simple to follow end user menus. With new press and hold button technology, setting temperature and other common tasks have been simplified. User navigation is intuitive and easier than ever, reducing customer service help calls.

Compatible Topside Panels



Panel TP400

- 4 button with LCD display

Material No.:

55702-XX*: No Overlay (TP400W)
55701-XX*: No Overlay (TP400T)
50259-XX*: With Overlay (12510)
50260-XX*: With Overlay (12511)



Panel TP600

- 6 button with LCD display

Material No.:

55676-XX*: No Overlay
56046-XX*: 15ft. Cord
50016-XX*: For International
55673-XX*: With Overlay (12101)
50014-XX*: For Intl' with overlay (12101)



Panel TP800

- 9 button with LCD display

Material No.:

50204-XX*: No Overlay
50261-XX*: With Overlay (12512)

* Replace XX with the corresponding product color before placing your order.

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Documentation Not Required – New User Friendly Interface

The sleek new topside panel includes a large easy to read backlit LCD with simple to follow end user menus. With new press and hold button technology, setting temperature and other common tasks have been simplified. User navigation is intuitive and easier than ever, reducing customer service help calls.



Overlay 12198 (Jet 1, Jet 2, Flip, Warm, Cool)



Overlay 12511 (Temp, Jets, Light, Aux)



Overlay 12101 (Jets, Aux, Flip, Warm, Cool)



Overlay 12510 (Warm, Cool, Lights, Jets)

Panel TP600

- 56046-XX* (TP600 15 ft cable no overlay)
- 56047-XX* (TP600 15 ft)
- 50056-XX* (TP600 2 Jets with overlay 12198)
- 55673-XX* (TP600 with overlay 12101)
- 55676-XX* (TP600 no overlay)

Panel TP400

- 55701-XX* (TP400T no overlay)
- 50260-XX* (TP400T with overlay 12511)
- 55702-XX* (TP400W no overlay)
- 50260-XX* (TP400W with overlay 12510)

* Replace XX with the corresponding product color before placing your order.

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NEW

BP2000/2100

"The Next Generation of Spa Controls"

- Wi-Fi Enabled
- Multiple languages
- Comprehensive diagnostics
- New Software with Color Graphics
- Expandable, Configurable. Supports dozens of Spa Setups.

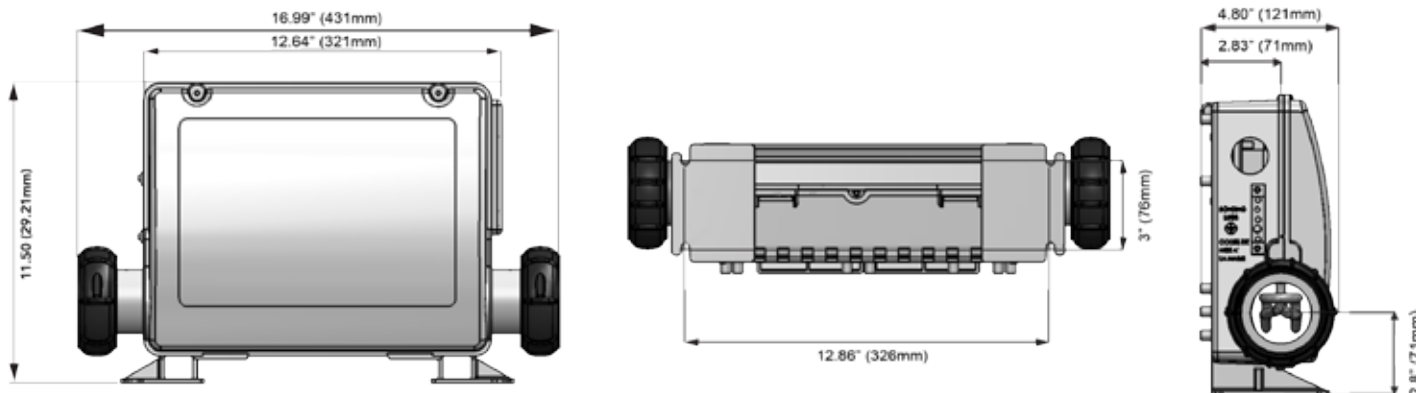


Made in the USA

BALBOA
water group

Incomparable System Reliability

The BP2000/2100 is the first of a new series based on Balboa's most popular models, utilizing advanced technology and higher flame retardant and impact resistant materials. Wi-Fi Enabled with press and hold buttons for ease of use, meet the newly designed BP2000/2100.



BP2000 System Specifications - (UL Expanded)

Material No.	Pump 1	Pump 2	Pump 3	Circ Pump	Blower	AV (Stereo)	Ozone	Spa Lights	Heater
56377-XX*	240V 2 Speed	240V 2 Speed	240V 2 Speed	Optional	Optional	120V	120V	10V	1-5.5kW @ 240V 800Inc
56378-XX*	240V 2 Speed	240V 2 Speed	240V 2 Speed	Optional	Optional	120V	120V	10V	1-5.5kW @ 240V 825Inc
56379-XX*	240V 2 Speed	240V 2 Speed	240V 2 Speed	Optional	Optional	120V	120V	10V	1-5.5kW @ 240V Titanium

Note: Refer to tech sheet for optional devices and setups.

BP2100 System Specifications - (CE Expanded)

Material No.	Pump 1	Pump 2	Pump 3	Circ Pump	Blower	AV (Stereo)	Ozone	Spa Lights	Heater
56389-XX*	230V 2 Speed	230V 2 Speed	230V 2 Speed	Optional	Optional	230V	230V	10V @ 1A Max	1-3.0kW @ 230V 800Inc
56390-XX*	230V 2 Speed	230V 2 Speed	230V 2 Speed	Optional	Optional	230V	230V	10V @ 1A Max	1-3.0kW @ 230V 825Inc
56391-XX*	230V 2 Speed	230V 2 Speed	230V 2 Speed	Optional	Optional	230V	230V	10V @ 1A Max	1-3.0kW @ 230V Titanium

Note: Refer to tech sheet for optional devices and setups.

* Replace XX with the corresponding product color before placing your order.

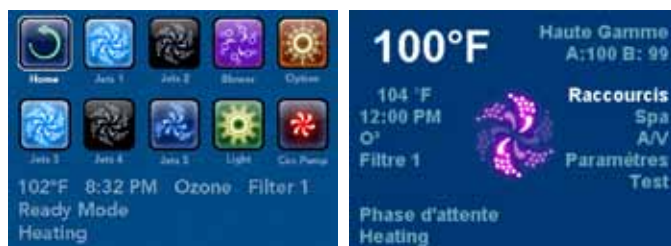


Features

- Wi-Fi Enabled
- Overheat Fault Detection for Runaway Pumps / Stuck Relays
- New Software with Color Graphics
- Expandable, Configurable. Supports Dozens of Spa Setups

User Interface

- Intuitive menu
- Easy to read color display with graphics
- 5 Background color choices
- Smart chip detects any problems in your hot tub
- Multiple languages with easy navigation
- State-of-the-art button technology (press & hold)
- Easy Navigation – Shortcuts
- Comprehensive diagnostics



Environmental	
Operating Temperature	-20°C (-4°F) to 60°C (140°F)
Storage Temperature	-25°C (-13°F) to 85°C (185°F)
Humidity	Humidity: up to 85% RH, non condensing
Mechanical	
Weight: Dimensions (W x H x D)	15.5" (39.38cm) x 14.8" (37.59cm) x 6.4" (16.25cm) (without tail pieces)
Enclosure	
IPx5	Metal Heater
Certification	
UL	

Announcing Balboa's NEW Plug N' Click Heater

No need to deal with heater straps, screws, wrenches, or broken copper straps. All you need to do is plug-and-click and you're done!

Now included in all BP systems.

Learn more visit www.balboawatergroup.com/Plug-and-Click-Heater



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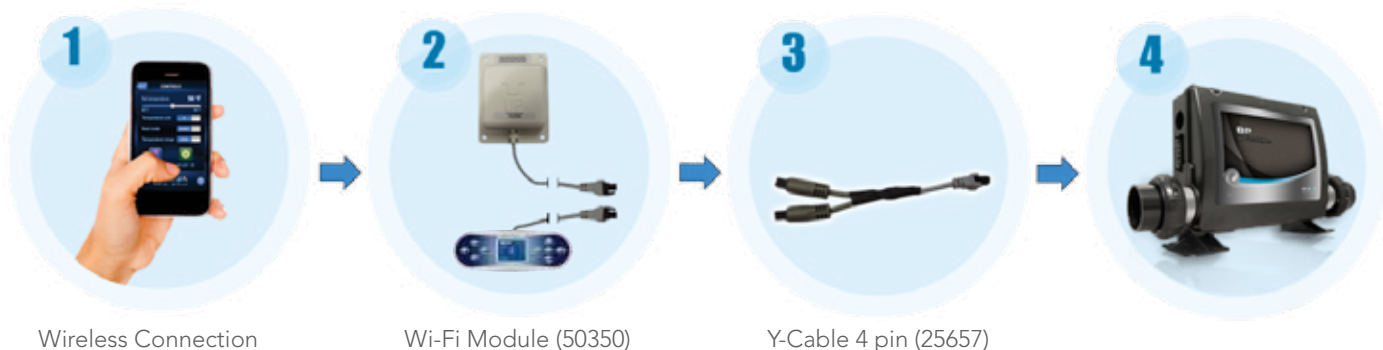
Controls & Panels

BP2000/2100 System And Panels

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water group

Wireless System Control

Now you can control your system wirelessly. With a few simple connections and some additional hardware you can have full control of your spa system. To download the software go to the Apple Apps store and download the free spa app, run through the quick setup and your done.



Powerful, Yet Simple Userface

A sleek new topside panel includes a large easy to read back-lit LCD with simple to follow end user menus. With new press and hold button technology, setting temperature and other common tasks have been simplified. User navigation is intuitive and easier than ever, reducing customer service help calls.

Compatible Topside Panels



Panel TP400

- 4 button with LCD display

Material No.:

55702-XX*: No Overlay (TP400W)
55701-XX*: No Overlay (TP400T)
50259-XX*: With Overlay (12510)
50260-XX*: With Overlay (12511)



Panel TP600

- 6 button with LCD display

Material No.:

55676-XX*: No Overlay
56046-XX*: 15ft. Cord
50016-XX*: For International
55673-XX*: With Overlay (12101)
50014-XX*: For Intl' with overlay (12101)



Panel TP800

- 9 button with LCD display

Material No.:

50204-XX*: No Overlay
50261-XX*: With Overlay (12512)



Panel TP900

- 5 button with LCD display

Material No.:

55994-XX*: No Overlay
50262-XX*: With Overlay (12513)

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Advanced Hot Tub Control Systems
all at your fingertip.



NEW

VS100/GS100

Your Single Source Solution

- Great for Tight Spaces
- 10" Remote M7® Heater
- Patented Piezo Panels
- 120 Volts
- Runs 1 Pump/Light/Ozone
- Energy Efficient



Made in the USA

BALBOA
water group

Introducing the VS100/GS100 System, and update on a popular classic

The VS100/GS100 inherits the essence of Balboa's line of spa systems. It uses our classic, easy to operate panels, has minimal features needed for comfort, and is trustworthy. The VS100 is readily compatible with either domestic 120V or 240V input voltages for ease of installation. The pump has two speeds for two levels of comfort, and the soft EFX lighting adds to a comforting sensuous experience.

VS100 System Specifications

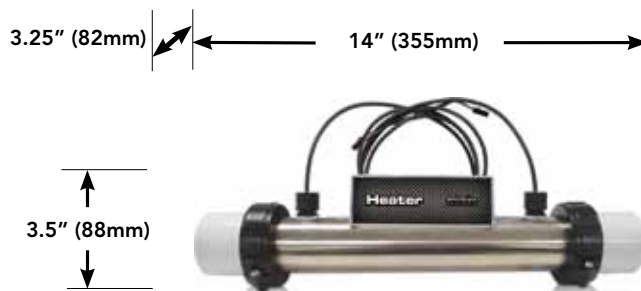
Material No. With Descriptions	System Outputs	Lighting Options
54821-XX* KIT BALBOA VS100 1.0KW 120V HTR GFCI	60Hz System Heater - 1kW Heater @ 120V, GFCI cord 1.5" x 10" Separate Heater Supports: 1, 2 Speed Pump 10V Light Ozone 120V/240V Switchable	MoodEFX Lighting
54808-XX* KIT BALBOA VS100 1.0KW 120V HTR	60Hz System Heater - 1kW Heater @ 120V, No GFCI 1.5" x 10" Separate Heater Supports: 1, 2 Speed Pump 10V Light Ozone	MoodEFX Lighting
54808-XX* KIT BALBOA VS100 1.0KW 120V HTR	60Hz System Heater - 4kW Heater @ 240V 1.5" x 10" Separate Heater Supports: 1, 2 Speed Pump 10V Light Ozone 120V/240V Switchable	MoodEFX Lighting

GS100 System Specifications

Material No. With Descriptions	System Outputs	Lighting Options
54807-XX* KIT BALBOA GS100 2.0kW 240V HTR	50Hz System & Heater - 1kW Heater @ 120V, GFCI cord 1.5" x 10" Separate Heater Supports: 1, 2 Speed Pump 10V Light Ozone 120V/240V Switchable	MoodEFX Lighting
54806-XX* KIT BALBOA GS100 3.0kW 240V HTR	50Hz System & Heater - 3kW Heater @ 23V	MoodEFX Lighting

* Replace XX with the corresponding product color before placing your order.

Measurements



Control Panels Compatible with VS100



VL401 Lite Duplex Panel

- 4 button with LCD Display
- 6.3in wide x 2.2in tall approx.
- 16cm wide x 5.6cm tall

Material No.:

- 54094-XX*: Blower, Jet, Temperature & Light
 54665-XX*: Jet, Light, Cool & Warm
 94251-XX*: Jet, Jet, Temperature, Light
 54135-XX*: Blank, Jet, Temperature, Light
 52424-XX*: No overlay



VL403 Lite Duplex Panel

- 4 button with LED Display
- 6.3in wide x 2.2in tall approx.
- 16cm wide x 5.59cm tall

Material No.:

- 52345-XX*: Jet, Light, Warm & Cool
 54105-XX*: Blank, Jet, Temperature & Light
 54664-XX*: Jet, Light, Cool & Warm
 54130-XX*: No overlay



VL406T Duplex Digital Panel

- 4 button with LED Display
- 4.3in wide x 1.6in tall approx.
- 10.92cm wide x 4.06cm tall

Material No.:

- 55349-XX*: Jet, Blower, Light, Temperature
 55413-XX*: No overlay



VL406U Duplex Digital Panel

- 4 button with LCD Display
- 7.0in wide x 4.3in tall approx.
- 17.78cm wide x 8.64cm tall

Material No.:

- 55350-XX*: Jet, Light, Warm, Cool
 55417-XX*: No overlay

* Replace XX with the corresponding product color before placing your order.

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TheViper

Your Single Source Solution

- Reminder messages
- Multiple languages
- Comprehensive diagnostics
- Capability of integrated Stereo and TV
- State-of-the-art button technology (press & hold)



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INTRODUCING THE NEW LM8000 (LM8) - Transforming the Control of Hot Tubs

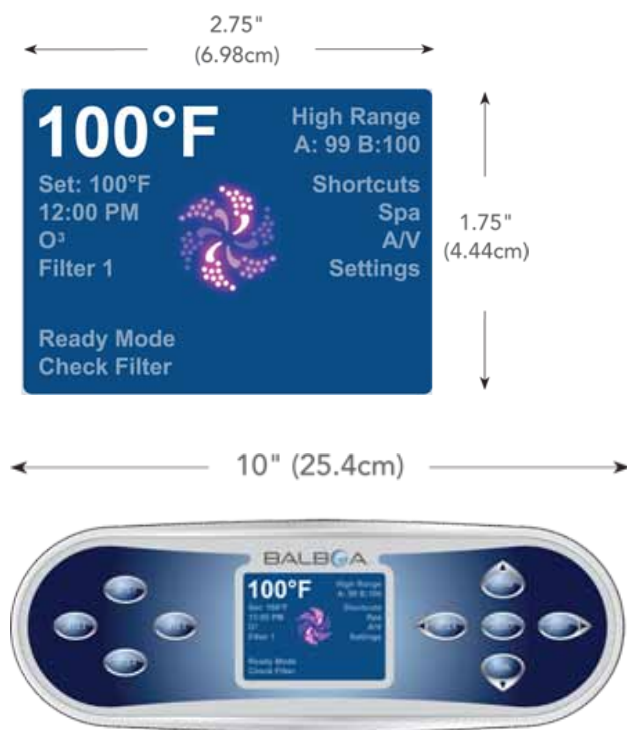
Balboa's Viper hot tub control is setting a new industry standard for unmatched system reliability, manufacturing flexibility and end user friendliness. All equipment and features are controlled from topside panel. The heater management system eliminates flow and pressure switches. All logic and control functions for the entire spa are contained in a single module with artificial intelligence to help save energy. Complete touch panel with Self-testing diagnostics, Self-monitoring and Informative end user messages.



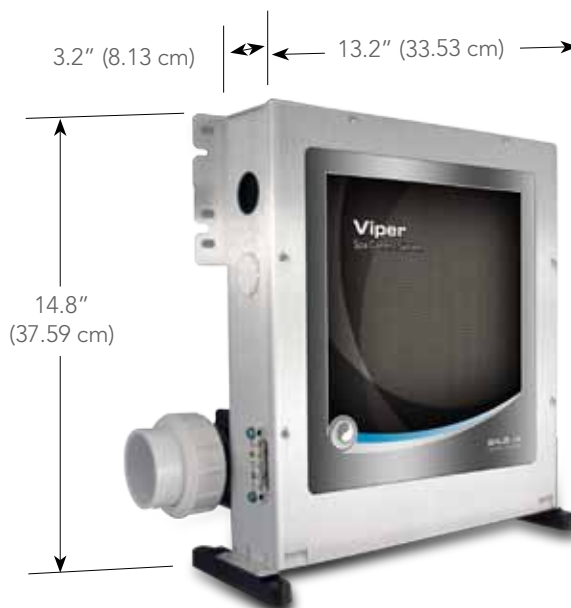
ANNOUNCING...

The all NEW Balboa Water Group Hot Tub App for the iPhone®, iPod touch® or iPad®. For More information on the Balboa App and how to connect via Wi-Fi please visit www.balboawater.com.

LCD Display



TP800



Powerful, Yet Simple Userface

The sleek new topside panel includes a large easy to read back-lit LCD with simple to follow end user menus. With new press and hold button technology, setting temperature and other common tasks have been simplified. User navigation is intuitive and easier than ever, reducing customer service help calls.



Transforming the control of hot tubs

- User friendly interface
- Unparalleled system reliability
- Manufacturing Flexibility
- Corrosion and resistant, chemical resistant heater

Panel TP800

- 9 button with LCD display



User Interface

- Intuitive menu
- Easy to read color display with graphics
- 5 Background color choices
- Multiple AV operations control your Stereo, TV and DVD
- Smart chip will detects any problems in your hot tub
- Multiple languages with easy navigation
- State-of-the-art button technology (press & hold)
- Easy Navigation – Shortcuts
- Real time-clock
- Reminder messages
- Comprehensive diagnostics
- Dedicated button (left side)



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Product Descriptions With Material Number	Control Panel
Domestic Viper BP25P3BC (55963-XX*)	TP800 No Overlay (50204-XX*) TP800 (50261) With Overlay (12512-XX*)
International Viper BP26P33BC 3.0kW Incoloy (55976-XX*)	TP800 No Overlay (50204-XX*)
International Viper BP26P3BC 3.0kW Titanium (55977-XX*)	TP800 (50261) With Overlay (12512-XX*)

Note: Minimum quantity required, please call Balboa customer service for additional information.

LM8 System Specifications

Material No.	Pump 1	Pump 2	Pump 3	Circ Pump	Blower	AV (Stereo)	Ozone	Spa Lights	Heater
55963-XX*	240V 2 Speed	240V 2 Speed	240V 2 Speed	240V 1 Speed	240V 1 Speed	120V	120V	12V	5.5kW @ 240V
55976-XX*	230V 2 Speed	230V 2 Speed	230V 2 Speed	230V 1 Speed	230V 1 Speed	230V	230V	10V	3.0kW @ 240V
55977-XX*	230V 2 Speed	230V 2 Speed	230V 2 Speed	230V 1 Speed	230V 1 Speed	230V	230V	10V	3.0kW @ 240V

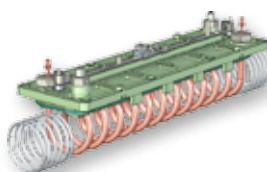
Note: Above are evaluation systems only. Viper system models can be custom configured.

* Replace XX with the corresponding product color before placing your order.

Environmental	
Operating Temperature	-20°C (-4°F) to 60°C (140°F)
Storage Temperature	-25°C (-13°F) to 85°C (185°F)
Humidity	Humidity: up to 85% RH, non-condensing
Enclosure Material	
IPx5	Thermoplastic Heater
Certifications	
UL Standard/Files	UL 1563 5th Edition/E90059 UL 1795 3rd Edition/E188744



- High-tech, high-temperature resistant housing material
- Proven use in mission critical applications for automotive & other industries
- Employs a GFCI trip feature that cuts power in the event that a pump is stuck in the ON position



- Chemical resistant heater element & sensors
- Low-watt density efficient coiled element
- Patented heater design eliminates "rattle"
- Corrosion resistant, chemical-resistant heater housing
- Titanium element option

[illegible]



LM8

Smart sensor flow monitoring system

- Full color touch screen
- Built-in tech support
- Reliable design
- Simple, inexpensive replacements
- Artificial Intelligence



Made in the USA

BALBOA
water group

INTRODUCING THE NEW LM8000 (LM8) - Transforming the Control of Hot Tubs

Balboa's LM8 hot tub control is setting a new industry standard for unmatched system reliability, manufacturing flexibility and end user friendliness.

Advanced Technology

All equipment and features are controlled from topside panel. The heater management system eliminates flow and pressure switches. All logic and control functions for the entire spa are contained in a single module with artificial intelligence to help save energy. Complete touch panel with Self-testing diagnostics, Self-monitoring and Informative end user messages.

Large LCD Display



Powerful, Yet Simple Userface

The sleek new topside panel includes a large easy to read back-lit LCD with simple to follow end user menus. With new press and hold button technology, setting temperature and other common tasks have been simplified. User navigation is intuitive and easier than ever, reducing customer service help calls.



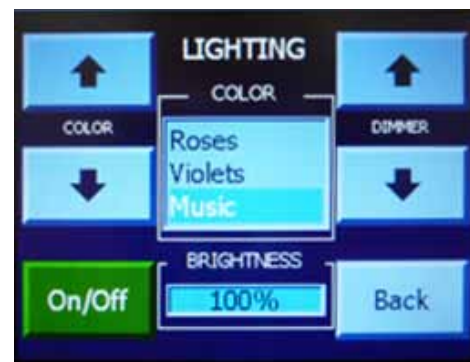
The Control System Overview

- Fully Integrated and Self Contained
- Modular Functions
- Built-in Self Test
- Advanced Heater Management System
- High Reliability/Low Maintenance Design
- Touch Screen Top Side
- Five Issued/Pending Patents in the Design

Touch Screen Technology



The touch screen is the only required customer interface. Sensors that provide real time status of current draw, timers for the Blower, Jets, Lights, Flow rate, and GPM. Automatic control of over-heating, cold plumbing, and stale water in pumps. Special features include Economy and Auto Heat Modes, 12/24 hr time, degrees in F or C, and Lock Spa (child lockout).





Product Descriptions

LM8 System

Material No.: 57129-XX*

Included with system: LM8 Control Red Module (57140).

Control Panel: Touchscreen Clear (57126-XX*) with Blue Overlay

Note: Minimum quantity required, please call Balboa customer service for additional information.

LM8 System Specifications

Material No.	Pump 1	Pump 2	Pump 3	Circ Pump & Ozone	Blower	AV (Stereo)	Spa Lights	Heater
57129-XX*	1 or 2 Speed 240V/12A or 120V/12 A	1 or 2 Speed 240V/12A or 120V/12 A	1 or 2 Speed 240V/12A or 120V/12A (Optional w/ Expansion Board)	240V/2.0A or 120V/2.0A	240V/8A or 120V/8A	12VDC (integrated w/module)	12 VAC LED or Incandescent dependant on module	240 VAC 4.0kW

Note: Above are evaluation systems only. LM8 system models can be custom configured.

Environmental	
Operating Temperature	-20°C (-4°F) to 60°C (140°F)
Storage Temperature	-25°C (-13°F) to 85°C (185°F)
Humidity	Humidity: up to 85% RH, non-condensing
Mechanical	
Weight (with modules & tailends; w/o cord)	10.80 lbs. (4.898 kg)
Dimensions (mounting holes)	8.25" x 3.125"
Enclosure Material	
ABS, Chimei PA757 or equivalent Resin Color: 350C Green	Metal Heater (Incoloy Element)
Certifications	
Standard/Files	UL 1563 5th Edition – Intertek File No. 3168167ATL-001A CAN/CSA C22.2#281.1 1st Edition – Intertek File No. 3168167ATL-001A
Heater Flow	
Heater Flow	20 GPM minimum

Control Panels Compatible with LM8 and Optional Modules



LM8 Touchscreen Panel

- Touchscreen LCD display
- 7.75" wide x 4.75" tall
- 19.7cm wide x 12.1cm tall

Material No.:

57126-03: With Blue Overlay (12787)



Audio Module Module

Material No.: 57141-XX*

- Lime Green

The Lime Audio Module Tunes FM from Topside Commands and delivers 100W of Music.



12 VAC Module

Material No.: 57118-XX*

- Yellow and Dark Green

The Yellow / Green LED Module Control 12 VAC Connection on Control Board.



Blank Module

Material No.: 35006-G

- Dark Green

The Blank green Module are placeholders. However, these modules can be replaced by different modules for LED functions or stereo.



Balboa Control Module

Material No.: 57130-XX*

- Red

The Red Control Module manages all Logic Functions:

1. Keeps time of day
2. Reports water temperature
3. Saves settings in flash memory
4. Translates messages from Touchscreen and activates Relay Board
5. Times out Pumps, Lights, and Audio
6. Safely maintains Heater Function
7. Monitors Sensor Health
8. Backup Processor also watches for Heater or Sensor problems



12 VDC LED Sloan Module

Material No.: 57143-XX*

- Yellow and Lime Green

The Yellow / Green LED Module provides colors and intensity selected at Topside.

NOTE ON CHANGING COMPONENTS

When changing modules or panels, be sure that the system is powered down completely before removing or inserting any modules or panels into the system. If the system is still powered up while removing or inserting any module or panel, irreparable damage may occur to the module, the mother board, or the panel.

* Replace XX with the corresponding product color before placing your order.

Your Single Source Solution.

We reserve the right to change technical data without further notice.

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Colossus

Transforming the control of hot tubs

- Patented M7® Technology
- Unparalleled system reliability
- Manufacturing flexibility & easy configuration
- Hi-tech material will prevent corrosion; chemical resistant heater
- Allows addition of auxiliary panels & the Dolphin™ Remote



Made in the USA

BALBOA
water group

Colossus - Transforming the Control of Hot Tubs

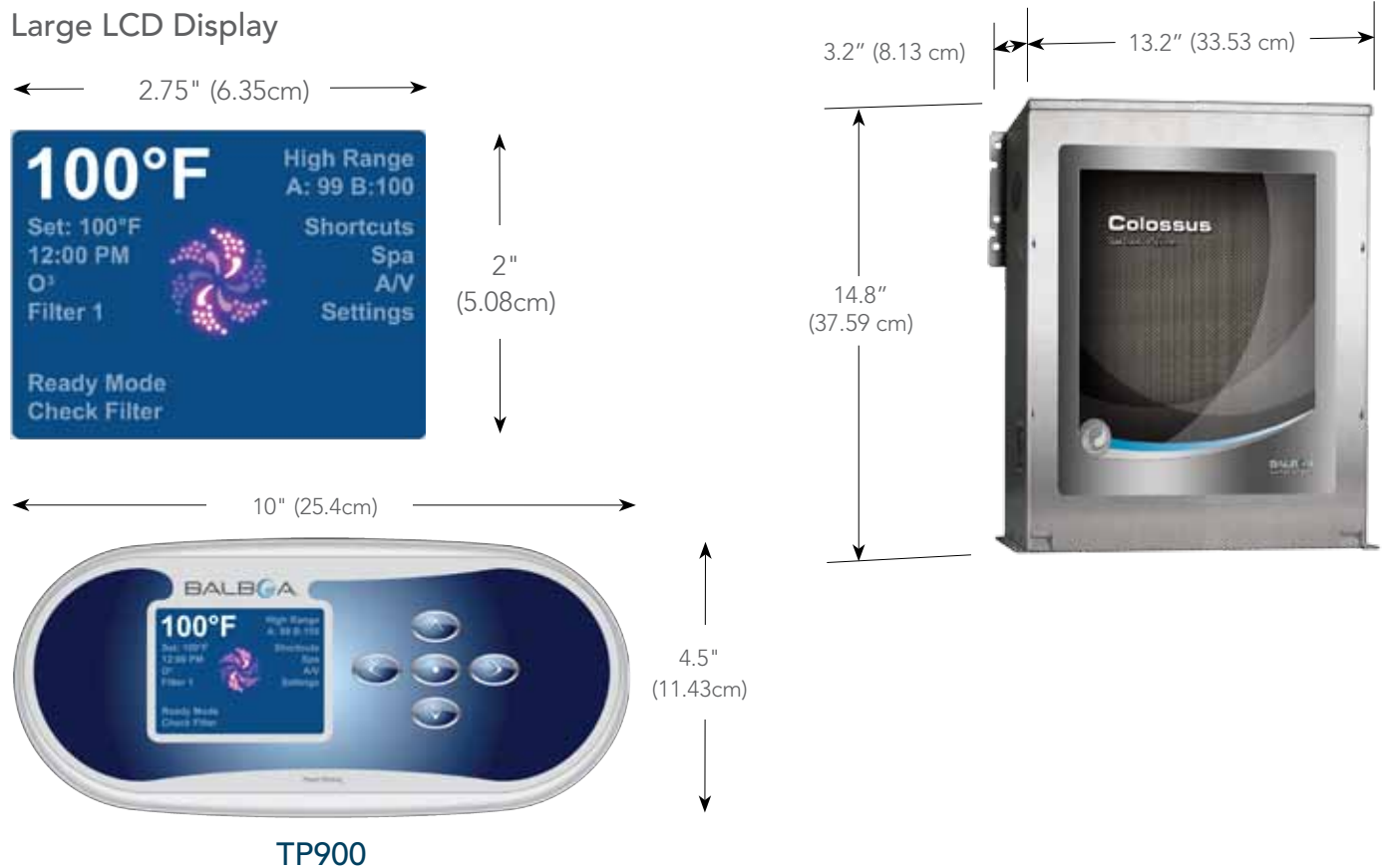
Balboa's Colossus hot tub control is setting a new industry standard for unmatched system reliability, manufacturing flexibility and end user friendliness. A sleek new topside panel includes a large easy to read back-lit LCD with simple to follow end user menus. With new press and hold button technology, setting temperature and other common tasks have been simplified.



ANNOUNCING...

The all NEW Balboa Water Group Hot Tub App for the iPhone®, iPod touch® or iPad®. For More information on the Balboa App and how to connect via Wi-Fi please visit www.balboawater.com.

Large LCD Display



Incomparable System Reliability

Utilizing advanced technology and high-temperature corrosion resistant mission critical materials from the automotive and other industries, the Colossus hot tub control systems all but eliminate leaks due to corrosion or harsh chemicals. Together with a newly designed, energy efficient heating coil that reduces element failures due to rattling, Balboa is providing peace of mind for the end-user.



Features

- User friendly interface
- Unparalleled system reliability
- Manufacturing Flexibility
- Corrosion and resistant, chemical resistant heater

Control Panel

- Multiple languages with easy navigation
- Friendly user interface
- Stylish design



User Interface

- Intuitive menu
- Easy to read color display with graphics
- Background color interchangeable
- Multiple AV operations control your Stereo, TV and DVD
- Smart chip will detects any problems in your hot tub



Easy Navigation

- New button technology solid state
- Up/Down
- Left/Right
- Select

Your Single Source Solution.

We reserve the right to change technical data without further notice.

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Product Descriptions

Colossus BP25P3BC

Material No.: 55963-XX*

Control Panels: TP900 No Overlay (55994-XX*), TP901 (55995-XX*)

For International

Colossus BP26P3BC 3.0kW Incoloy

Material No.: 55976-XX*

Colossus BP26P3BC 3.0kW Titanium

Material No.: 55977-XX*

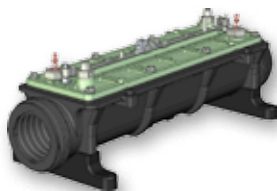
Control Panels: TP900 No Overlay (55994-XX*), TP901 (55995-XX*)

Note: Minimum quantity required, please call Balboa customer service for additional information.

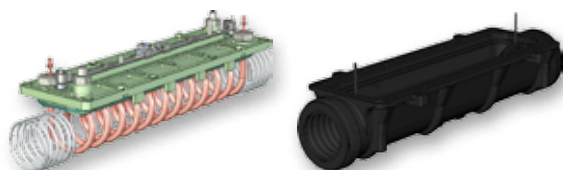
Colossus System Specifications

Material No.	Pump 1	Pump 2	Pump 3	Circ Pump	Blower	AV (Stereo)	Ozone	Spa Lights	Heater
55963-XX*	240V 2 Speed	240V 2 Speed	240V 2 Speed	240V 1 Speed	240V 1 Speed	120V	120V	12V	5.5kW @ 240V
55976-XX*	230V 2 Speed	230V 2 Speed	230V 2 Speed	230V 1 Speed	230V 1 Speed	230V	230V	10V	3.0kW @ 240V
55977-XX*	230V 2 Speed	230V 2 Speed	230V 2 Speed	230V 1 Speed	230V 1 Speed	230V	230V	10V	3.0kW @ 240V

Note: Above are evaluation systems only. Colossus system models can be custom configured. Model BP26P3BC is CE version.



- High-tech, high-temperature resistant housing material
- Proven use in mission critical applications for automotive & other industries
- Employs a GFCI trip feature that cuts power in the event that a pump is stuck in the ON position



- Chemical resistant heater element & sensors
- Low-watt density efficient coiled element
- Patented heater design eliminates "rattle"
- Corrosion resistant, chemical-resistant heater housing
- Titanium element option



- Easy to read color digital display
- Multiple languages with easy navigation
- Friendly user interface with Intuitive menus
- Easy access to all equipment from the main panel
- Easily change display to five different colors
- The most important information can be seen quickly from the main screen
- Panel displays reminders, heater and system related messages and test menus

Control Panels for Colossus



Colossus Panel TP900

Material No.: TP900
no overlay (55994-XX*),
TP901 (55995-XX*)

- 5 button with LCD display
- 10in wide x 4.5in tall approx.
- 25.4cm wide x 11.43cm tall



Colossus Panel TP800

Material No.: TP800 (50204-XX*),

- 9 button with LCD display
- 10in wide x 3.5in tall approx.
- 31.24cm wide x 13.20cm tall

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Revolution

Transforming the control hot tub

- Unparalleled system reliability
- Corrosion resistant, chemical-resistant heater
- Compact design
- Friendly user interface
- Versatile installation



Made in the USA

BALBOA
water group

REVOLUTION - Transforming the Control of Hot Tubs

Balboa's Revolution hot tub control is setting a new industry standard for unmatched system reliability, manufacturing flexibility and end user friendliness.

Utilizing advanced technology and high temperature corrosion proof mission critical materials from the automotive and other industries, the Revolution hot tub control systems all but eliminate leaks due to corrosion or harsh chemicals. Together with a newly designed, energy efficient heating coil that reduces element failures due to rattling, Balboa is providing peace of mind for the end-user.



ANNOUNCING...

The all NEW Balboa Water Group Hot Tub App for the iPhone®, iPod touch® or iPad®. For More information on the Balboa App and how to connect via Wi-Fi please visit www.balboawater.com.

Product Measurements



TP600



TP400

Tight Spots Are A Thing of the Past

The Revolution sports a compact low profile package offering flexibility with mounting to give you the most in tub design and manufacturing line flexibility. A single model can be configured on the line to support various system configurations without adding additional skus – the Revolution expands the world for you.



Features

- Unparalleled system reliability
- Corrosion resistant, chemical-resistant heater
- Compact design
- Friendly user interface
- Versatile installation

Powerful, Yet Simple Userface

The sleek new topside panel includes a large easy to read back-lit LCD with simple to follow end user menus. With new press and hold button technology, setting temperature and other common tasks have been simplified. User navigation is intuitive and easier than ever, reducing customer service help calls.



Overlay Material
No. 12198
(Jet 1, Jet 2, Flip,
Warm, Light, Cool)



Overlay Material
No. 12101
(Jets, Aux, Flip, Warm,
Light, Cool)



If you like to order different color overlays
please call Customer Service.

MANUFACTURED UNDER ONE OR MORE OF THESE PATENTS: U.S. PATENTS: 5332944, 5361215, 5550753, 5559720, 5,883,459, 6253227, 6282370, 6590188, 6976052, 6965815, 7030343, 7,417,834 B2, CANADIAN PATENT: 2342614, AUSTRALIAN PATENT: 2373248 OTHER PATENTS BOTH FOREIGN AND DOMESTIC APPLIED FOR AND PENDING. ALL SOFTWARE COPYRIGHT BALBOA WATER GROUP.

Compatible Plumbing Kits (Coupling nuts and seals included)	
55911	2" Tailpieces (2-Speed Pump 1)
55914	1.5" Tailpieces (2-Speed Pump 1)
55912	1" Tailpiece Inserts (Circ)
55913	One Direct Circ Pump Coupling and one 1" Tailpiece Insert



Product Descriptions

Revolution BP1500 w/4.0kW 800 Incoloy Material No.: 56125-XX*

Revolution BP1500 w/4.0kW Titanium Element Material No.: 56126-XX*

Control Panel: TP600 and TP600CE

For International

Revolution BP1600 w/3.0kW Incoloy Material No.: 56129-XX*

Revolution BP1600 w/3.0kW Titanium Element Material No.: 56130-XX*

Control Panel: TP400CE (55702-XX*)

Note: Minimum quantity required, please call Balboa customer service for additional information.

Revolution System Specifications

Material No.	Pump 1	Pump 2	Circ Pump & Ozone Combined	Blower	Spa Lights	Heater	Option Output
56126-XX*	1 or 2 Speed - 240V/12A or 120V/12 A	1 Speed - 240V/12A or 120V/12A	240/120 VAC 5.5A	240V/8A	12 VAC/.25A LED Lights	4.0kW w/ 800 Incoloy	4 Amp Max.
56125-XX*	1 or 2 Speed - 240V/12A or 120V/12 A	1 Speed - 240V/12A or 120V/12A	240/120 VAC 5.5A	240V/8A	12 VAC/.25A LED Lights	4.0kW Titanium Element	4 Amp Max.
56130-XX*	1 or 2 Speed - 240V/12A or 120V/12 A	1 Speed - 240V/12A or 120V/12A	240/120 Convertible	240V/8A	12 VAC/.25A LED Lights	3.0kW w/ Incoloy	4 Amp Max.
56129-XX*	1 or 2 Speed - 240V/12A or 120V/12 A	1 Speed - 240V/12A or 120V/12A	240/120 Convertible	240V/8A	12 VAC/.25A LED Lights	3.0kW Titanium Element	4 Amp Max.

Note: All 4.0kW are UL and all 3.0kW are CE.

Revolution Standard Specifications

Recommended Ozone Support	Balboa ozone (UL and CE certified)
Sensors	M7 patented temperature probes
Certifications	UL and CE recognized
Spa Light Control	LED lights only (no incandescent lighting)



Control Panels for Revolution



Revolution Panel TP600

- 6 button LCD display
- 7.12in wide x 3.5in tall approx.
- 18.10cm wide x 8.9cm tall

Domestic Panels TP600

- 50056-01: With Overlay 12198
- 55673-05: With Overlay 12101
- 55676-05: No Overlay
- 56046-01: 15 ft. Cord, No Overlay
- 56046-01: 15 ft. Cord, With Overlay 12101

International Panels TP600CE

- 50014-01: With Overlay 12101
- 50015-01: No Overlay



Revolution Panel TP400CE

Material No.: 55702

- 4 button LCD display
- 8.37in wide x 2.5in tall approx.
- 21.26cm wide x 6.35cm tall

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VS/GS Series

Your Single Source Solution

- Programmable Filtration
- European/AU safety approvals
- Advanced Piezo Switches
- Over 2 million systems installed worldwide
- Customizable topside panel overlay



Made in the USA

BALBOA
water group

Entry Level Hot Tub Control Systems

The Value Series (VS) family of hot tub control systems are designed using Balboa's patented M7 temperature and flow sensor technology and a new universal control platform. These features increase the reliability, ease of installation and serviceability of the control.

Designed for Easy Installation and Service

The VS family is based on a common universal control platform, which increases feature flexibility while reducing installation and configuration problems. The VS family has exceptionally good feature flexibility, so its performance is comparable with much higher end products. The units incorporate Balboa's patented M7 temperature probe technology, which eliminates the more failure prone pressure switches and simplifies the installation process by not having to drill additional holes in the spa.



Features

- Built on patented M7 sensor technology
- 120V/240V convertible power supply
- Custom designed plastic enclosure
- US & Canadian safety approvals
- High reliability built in
- Integrated functionality
- Rigorously tested
- Easy to install & service

Flexible, High Reliability, Feature Rich

The systems have a plastic enclosure to eliminate water intrusion. Connectors are built onto the circuit board minimizing wires and simplifying service. The different models have controls for a single two-speed pump or an additional blower or pump. All models feature a convertible power supply that can be wired for 120 or 240 volts. They support a variety of panels and come with a 3.0, 4.0 or a 5.5kW 240V heater.

VS300 System Specifications

Systems	Material No.	Pump 1	Pump 2	Circ Pump	AV (Stereo)	Ozone Voltage	Spa Lights	Heater	Control Panels
VS300AV	55506	240V 2 Speed	-	-	120V	240V	12V	4.0kW @ 240V	VL200, VL240, VL260, VL401, VL403, VL406U
VS300FC5	55646	120/240V 2 Speed	-	-	-	120V/240V	12V	1.4kW @ 120V/ 5.5kW @ 240V	VL200, VL240, VL260, VL401, VL406U
VS300FH4	54647-01	240V 2 Speed	-	-	-	240V	12V	4.0kW @ 240V	VL200, VL240, VL260, VL401, VL403, VL406U
VS300FH5	54545-01	240V 2 Speed	-	-	-	240V	12V	5.5kW @ 240V	
VS300FL4	54626-01	120V 2 Speed	-	-	-	120V	12V	4.0kW @ 240V	
VS300FL5	54603-01	120V 2 Speed	-	-	-	120V	12V	5.5kW @ 240V	

VS500Z System Specifications

Systems	Material No.	Pump 1	Pump 2	Circ Pump	AV (Stereo)	Ozone Voltage	Spa Lights	Heater	Control Panels
VS500Z	54368HC3	120V/240V 2-Speed	-	120/240V	120/240V	120/240V	12V	5.5kW @ 240V	VL200, VL240, VL260, VL401, VL403, VL406U
	54368-03	120V/240V 2-Speed	-	120/240V	120/240V	120V/240V	12V	5.5kW @ 240V	
	54603-03	120V 2 Speed	-	-	120/240V	120/240V	12V	4.0kW @ 240V	
	54337-04	120V 2 Speed	-	120V	120V	120V	12V	1.4kW @ 120V	

Note: Please see our Tech Sheets for additional information.

VS501Z System Specifications

Systems	Material No.	Pump 1	Pump 2	Circ Pump	Blower	AV (Stereo)	Ozone Voltage	Spa Lights	Heater	Control Panels
VS501Z	54656HC3	120V/240V 2-Speed	-	120V/240V	120V/240V	-	120V/240V	12V	240V 5.5kW	VL200, VL401, VL403, VL406T
	54356-03	120V/240V 2-Speed	-	120V/240V	120V/240V	-	120V/240V	12V	240V 5.5kW	
	54379-03	120V/240V 2-Speed	-	120V/240V	120V/240V	-	120V/240V	12V	240V 4.0kW	
	54481-03	120V/240V 2-Speed	-	120V/240V	120V/240V	-	120V/240V	12V	240V 3.0kW	

VS504SZ System Specifications

System	Material No.	Pump 1	Pump 2	Circ Pump	AV (Stereo)	Ozone Voltage	Spa Lights	Heater	Control Panel
VS504SZ	54637-01	240V, 2 Speed	240V, 1 Speed	240V	-	240V	12V	240V @ 5.5kW	VL701S

VS510DZ and VS510SZ System Specifications

Systems	Material No.	Pump 1	Pump 2	Circ Pump	Blower	AV (Stereo)	Ozone Voltage	Spa Lights	Heater	Control Panels
VS510SZ	54371-02	240V, 2 Speed	240V, 1 Speed	120V	240V	120V	120V	12V	240V @ 5.5kW	VL700S, VL701S, VL702S
	54371HC2	240V, 2 Speed	240V, 1 Speed	120V	240V	120V	120V	12V	240V @ 5.5kW	
	54559-01	240V, 2 Speed	240V, 1 Speed	120V	240V	120V	120V	12V	240V @ 4.0kW	

VS511Z and VS511SZ System Specifications

Systems	Material No.	Pump 1	Pump 2	Circ Pump	AV (Stereo)	Ozone Voltage	Spa Lights	Heater	Control Panels
VS511Z	54382-05	240V, 2 Speed	240V, 1 Speed	120V	120V	120V	12V	240V @ 5.5kW	VL401, VL402, VL403, VL404, VL406T
VS511SZ	54384-04	240V, 2 Speed	240V, 1 Speed	120V	120V	120V	12V	240V @ 5.5kW	VL600S, VL700S, VL701S
	55053-03	240V, 2 Speed	240V, 1 Speed	120V	120V	120V	12V	240V @ 4.0kW	

VS513Z System Specifications

System	Material No.	Pump 1	Pump 2	Circ Pump	AV (Stereo)	Ozone Voltage	Spa Lights	Heater	Control Panels
VS513Z	55839-01	240V, 2 Speed	120V, 1 Speed	120V	120V	120V	12V	240V @ 5.5kW	VL400, VL406T

VS515Z System Specifications

System	Material No.	Pump 1	Pump 2	Pump 3	Circ Pump	AV (Stereo)	Ozone Voltage	Spa Lights	Heater	Control Panel
VS514SZ	54639-01	240V, 2 Speed	240V, 1 Speed	240V, 1 Speed	240V	120V	240V	12V	240V @ 5.5kW	VL701S

VS515Z System Specifications

System	Material No.	Pump 1	Pump 2	Blower	AV (Stereo)	Ozone Voltage	Spa Lights	Heater	Control Panel
VS515Z	54639-01	240V, 2 Speed	240V, 1 Speed	240V	120V	120V	12V	240V @ 5.5kW	VL406T, VL406U, VL701S

VS501SZ, VS520DZ and VS520SZ System Specifications

Systems	Material No.	Pump 1	Pump 2	Circ Pump	Blower	AV (Stereo)	Ozone Voltage	Spa Lights	Heater	Control Panels
VS520SZ	56007-01	240V, 2 Speed	240V, 2 Speed	120V	240V	120V	120V	12V	240V @ 5.5kW	VL 701S
	56007HC1	240V, 2 Speed	240V, 2 Speed	120V	240V	120V	120V	12V	240V @ 5.5kW	
	54377-02	120/240V, 2 Speed	-	120/240V	120/240V	120/240V	120/240V	12V	240V @ 5.5kW	
	54377HC2	120/240V, 2 Speed	-	120/240V	120/240V	120/240V	120/240V	12V	240V @ 5.5kW	
VS520DZ	56016-01	240V, 2 Speed	240V, 2 Speed	120V	240V	120V	120V	12V	240V @ 5.5kW	VL801D, VL802D

VS523DZ System Specifications

System	Material No.	Pump 1	Pump 2	Pump 3	Circ Pump	Blower	AV (Stereo)	Ozone Voltage	Spa Lights	Heater	Control Panel
VS523DZ	54762	240V, 2 Speed	240V, 1 Speed	240V, 1 Speed	120V	240V	12V	120V	12V	240V @ 5.5kW	VL801D, VL802D

Expansion Options



X-B

Material No.: 53310

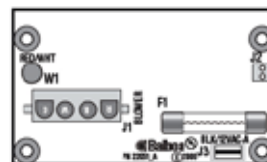
Used for a 1 Speed Blower output only.



X-P

Material No.: 53544

Expansion board used to add a 1-speed pump output



X-TB

Material No.: 55344

Used for a multi-speed Blower (required v29+ software and "bL" set to "2" or "3"). Or can be used for a 1 Speed Blower.



X-Mount P

Material No.: 53933

Used for mounting any Expander board into a plastic enclosure (EL2000 and VS Series)



X-P231

Material No.: 53681

Can replace the X-P in cases where branch circuit protection is ended for high amperage devices that would over-burden power input fuse F5 (1-A) on the main PCBA.



X-P632

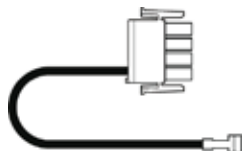
Material No.: 53680

Used for a 2 Speed Pump output or for two 1 Speed Pumps. Can also be used for optional setups.



X-03

Material No.: 53426



VS-P2 Adapter Wire

Material No.: 25339

X-FOW Kit

Material No.: 53912

Special setup with X-03 and adapter PN 25338 to operate a fiber-optic light and color wheel independently. Required to operate a Fiber Optic when a Circ Pump is installed on Main PCBA at J2.

NOTES:

Global Series (GS) of Spa Controls

The Global Series (GS) of spa control systems were designed using Balboa's patented M7 temperature flow and sensor technology and a new universal control platform. These features increase the reliability, ease of installation and serviceability of the control.

Designed for easy installation and service

The GS family is based on a common universal control platform, which increases feature flexibility while reducing installation and configuration problems. The GS family has exceptionally good feature flexibility, so its performance is competitive with much higher end products. The units incorporate Balboa's patented M7 temperature probe technology, which eliminates the more failure prone pressure switches and simplifies the installation process by not having to drill additional holes in the spa.



Features

All controls have the following features:

- Circulation pump, 24 hrs or 1.5C safety shut off
- Spa light 10V/12W on/off
- Audio/visual device power output
- CE Approvals
- Ozone ready
- 1-3 kW heater option

Flexible, High Reliability, Feature Rich

The systems have a plastic enclosure to eliminate water intrusion. Connectors are built onto the circuit board minimizing wires and simplifying service. The different models have controls for a single 2-speed pump or and additional blower or pump. All models feature a power supply that is wired to 230V, support multiple topside panels and offer 1, 1.5, 3.5, 4 and 5.5 kW heater.

GS500Z M7 and GS500Z System Specifications

System	Material No.	Pump 1	Pump 2	Circ Pump	AV (Stereo)	Ozone Voltage	Spa Lights	Heater	Control Panels
GS500Z	54509-01	230V 2 Speed	-	230V	230V	230V	10V	3.0kW	VL200, VL401, VL403, VL406U
	54509HC1	230V 2 Speed	-	230V	230V	230V	10V	3.0kW	
	54523-01	230V 2 Speed	-	230V	230V	230V	10V	2.0kW	

Note: Circ Pump is optional. Please see our Tech Sheets for additional information.

GS501Z M7, GS501SZ M7 and GS510DZ System Specifications

Systems	Material No.	Pump 1	Pump 2	Circ Pump	Blower	AV (Stereo)	Ozone Voltage	Spa Lights	Heater	Control Panel
GS501Z	54511-01	230V 2 Speed	-	230V	230V	230V	230V	10V	3.0kW	VL200, VL240, VL260, VL401, VL402, VL406T
	54511HC1	230V 2 Speed	-	230V	230V	230V	230V	10V	3.0kW	
GS501SZ	54515-01	230V 2 Speed	-	230V	230V	230V	230V	10V	3.0kW	VL600, VL701S
	55248-02	230V 2 Speed	-	230V	230V	230V	230V	10V	2.0kW	VL801D, VL802D
GS501DZ	55250-01	230V 2 Speed	-	230V	230V	230V	230V	10V	3.0kW	

GS504SZ System Specifications

System	Material No.	Pump 1	Pump 2	Circ Pump	AV (Stereo)	Ozone Voltage	Spa Lights	Heater	Control Panel
GS504SZ	54650-01	230V 2 Speed	230V 1 Speed	230V	230V	230V	10V	3.0kW	VL701S

Note: Circ Pump is optional. Please see our Tech Sheets for additional information.

GS510SZ M7 and GS510DZ System Specifications

Systems	Material No.	Pump 1	Pump 2	Circ Pump	Blower	AV (Stereo)	Ozone Voltage	Spa Lights	Heater	Control Panel
GS510Z	54517-01	230V, 2 Speed	230V, 1 Speed	230V	230V	230V	230V	10V	3.0kW	VL700S, VL701S, VL702S
GS510Z	54517HC1	230V, 2 Speed	230V, 1 Speed	230V	230V	230V	230V	10V	3.0kW	
GS510DZ	55106-01	230V, 2 Speed	230V, 1 Speed	230V	230V	230V	230V	10V	3.0kW	VL801D

GS511Z M7 and GS511SZ System Specifications

Systems	Material No.	Circ Pump	Pump 1	Pump 2	AV (Stereo)	Ozone Voltage	Spa Lights	Heater	Control Panels
GS511Z	54519-02	230V	230V, 2 Speed	230V, 2 Speed	230V	230V	10V	3.0kW	VL401, VL402, VL403, VL404, VL406T
GS511SZ	54521-02	230V	230V, 2 Speed	230V, 2 Speed	230V	230V	10V	3.0kW	VL600S, VL700S, VL701S

GS513Z System Specifications

System	Material No.	Pump 1	Pump 2	Circ Pump	AV (Stereo)	Ozone Voltage	Spa Lights	Heater	Control Panels
GS513Z	55896	230V, 2 Speed	230V, 1 Speed	230V	230V	230V	10V	3.0kW	VL400, VL406T

GS515Z System Specifications

System	Material No.	Pump 1	Pump 2	Blower	AV (Stereo)	Ozone Voltage	Spa Lights	Heater	Control Panel
GS515Z	55474-01	230V 2 Speed	230V 1 Speed	230V	230V	230V	10V	3.0kW	VL400, VL406T

GS523DZ System Specifications

System	Material No.	Pump 1	Pump 2	Pump 3	Blower	AV (Stereo)	Ozone Voltage	Spa Lights	Heater	Control Panels
GS523DZ	54762	230V 2 Speed	230V 1 Speed	230V 1 Speed	240V	120V	120V	12V	240V @ 5.5kW	VL801D, VL802

Note: Circ Pump is not allowed with this system. Please see our Tech Sheets for additional information.

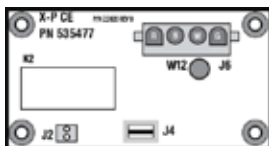
Expansion Options



X-B CE

Material No.: 53311

Used for a 1 Speed Blower output only.



X-P CE

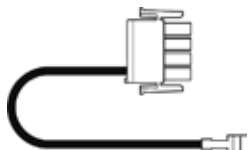
Material No.: 53547

Used for a 1 Speed Pump or Mister output.



X-03 CE

Material No.: 53427



Adapter Wire

Material No.: 25338

X-FOW CE Kit

Material No.: 53976

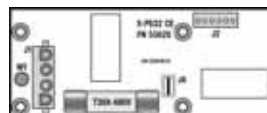
Special setup with X-03 CE and adapter PN 25338 to operate a fiber-optic light and color wheel independently. Required to operate a Circ Pump is installed on Main PCBA at J2.



X-P231 CE

Material No.: 55025

Can replace the X-P CE in cases where branch circuit protection is needed for high amperage devices that would over-burden power input fuse F6 or F7 (4-C) on the main PCBA.



X-P632 CE

Material No.: 55026

Used for a 2 Speed Pump output or for two 1 Speed Pumps. Can also be used for optional setups.



EL/GL Series

Elite Hot Tub Control Systems

- State of the art design
- Output connectors on the board
- Rigid heater mounting enclosure
- Plastic enclosures available on certain models
- Multi-level diagnostic capabilities and easy installation and serviceability



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water group

Controls & Panels

EL Series Systems And Panels

BALBOA
water group

Hot Tub Control Systems

The Elite Series (EL) family of hot tub control systems were designed using Balboa's patented M7 temperature and water flow sensing technology and a new universal control platform. These features increase the reliability, ease of installation and serviceability of the control. Innovative features include having output connectors on the board, which eliminates a maze of wires in the enclosure and ultimately reduces assembly time and margin for error.



Features

All controls have the following features:

- Output connectors on the board
- State of the art design
- Rigid heater mounting enclosure
- Cable capture mounting system
- Plastic enclosures available on certain models

Flexible, High Reliability, Feature Rich

The systems have a plastic enclosure to eliminate water intrusion. Connectors are built onto the circuit board minimizing wires and simplifying service. The different models have controls for a single 2-speed pump and or additional blower or pump. All models feature a power supply that is wired to 230V, support multiple topside panels and offer 1, 2 and 3 kW heater.

EL1000 Mach 3 and EL1001 Mach 3 System Specifications

Systems	Material No.	Pump 1	Pump 2	Blower	AV (Stereo)	Ozone	Spa Lights	Heater	Control Panels
EL1000	54386-04	240V, 2 Speed	-	-	-	120V	12V	240V @ 5.5kW	ML400
	55068-04	240V, 2 Speed	-	-	-	120V	12V	240V @ 5.5kW 800 Incoloy Heater	
EL1001	54388-04	240V, 2 Speed	-	240V, 1 Speed	-	120V	12V	240V @ 5.5kW	
	54396-04	240V, 2 Speed	240V, 1 Speed	-	-	120V	12V	240V @ 5.5kW	
	55069-04	240V, 2 Speed	-	240V, 1 Speed	-	120V	12V	240V @ 5.5kW 800 Incoloy Heater	

Control Panels Compatible with EL2000 Mach 3 and EL2001 Mach 3 Specifications

Systems	Material No.	Circ Pump	Pump 1	Pump 2	Pump3	Blower	Ozone	Spa Lights	AV (Stereo)	Heater	Control Panels
EL2000	53884-05	240V	240V, 2 Speed	240V, 1 Speed	-	240V	120V	12V	120V	240V @ 5.5kW	ML400, ML700, ML900
	55065-04	240V	240V, 2 Speed	240V, 1 Speed	-	240V	120V	12V	120V	240V @ 5.5kW 800 Incoloy Heater	
EL2001	53882-05	240V	240V, 2 Speed	240V, 2 Speed	-	240V	120V	12V	-	240V @ 5.5kW	
	54464-04	240V	240V, 2 Speed	240V, 2 Speed	-	240V	120V	12V	-	240V @ 4.0kW 800 Incoloy Heater	
	56002-04	240V	240V, 2 Speed	240V, 2 Speed	-	240V	120V	12V	-	240V @ 3.0kW	
	55066-04	240V	240V, 2 Speed	240V, 1 Speed	-	240V	120V	12V	120V	240V @ 5.5kW 800 Incoloy Heater	
	54478-03	240V	240V, 2 Speed	240V, 1 Speed	240V, 1 Speed	240V	120V	12V	120V	240V @ 5.5kW	
	55067-03	240V	240V, 2 Speed	240V, 1 Speed	240V, 1 Speed	240V	120V	12V	120V	240V @ 5.5kW	

Note: Above are evaluation settings only. EL systems can be custom configured by moving dip switches and in some chases wires and/or jumpers. Please see our Tech Sheets for additional information.

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EL8000 Mach 3 System Specifications

System	Material No.	Pump 1	Pump 2	Pump 3	Circ Pump	Blower	AV (Stereo)	Ozone	Spa Lights	Fiber Optic Light & Wheel	Mister	Heater	Control Panels
EL8000	53857-04	240V 2 Speed	240V 2 Speed	240V 2 Speed	240V	240V 1 Speed	120V	120V	12V	120V	120V	240V @ 5.5kW	ML700, ML900
	55064-04	240V 2 Speed	240V 2 Speed	240V 2 Speed	240V	240V 1 Speed	120V	120V	12V	120V	120V	240V @ 5.5kW 800 Incoloy	

Note: EL systems can be custom configured by moving dip switches and in some chases wires and/or jumpers. Circ pump is optional. Please see our Tech Sheets for additional information.

Expansion Options



X-B

Material No.: 53310

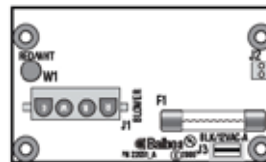
Used for a 1 Speed Blower output only.



X-P

Material No.: 53544

Expansion board used to add a 1-speed pump output



X-TB

Material No.: 55344

Used for a multi-speed Blower (required v29+ software and "bL" set to "2" or "3"). Or can be used for a 1 Speed Blower.



X-Mount P

Material No.: 53933

Used for mounting any Expander board into a plastic enclosure (EL2000 and VS Series)



X-P231

Material No.: 53681

Can replace the X-P in cases where branch circuit protection is ended for high amperage devices that would over-burden power input fuse F5 (1-A) on the main PCBA.



X-P632

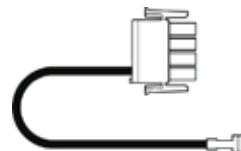
Material No.: 53680

Used for a 2 Speed Pump output or for two 1 Speed Pumps. Can also be used for optional setups.



X-03

Material No.: 53426



VS-P2 Adapter Wire

Material No.: 25339

X-FOW Kit

Material No.: 53912

Special setup with X-03 and adapter PN 25338 to operate a fiber-optic light and color wheel independently. Required to operate a Fiber Optic when a Circ Pump is installed on Main PCBA at J2.

Hot Tub Control Systems

The Global Series (GL) family of hot tub control systems were designed using Balboa's patented M7 temperature and water flow sensing technology and a new universal control platform. These features increase the reliability, ease of installation and serviceability of the control. Innovative features include having output connectors on the board, which eliminates a maze of wires in the enclosure and ultimately reduces assembly time and margin for error.



GL2000 and GL2001
Plastic Enclosure



GL8000 Enclosure

Features

All controls have the following features:

- Output connectors on the board
- State of the art design
- CE Approvals
- Rigid heater mounting enclosure
- Cable capture mounting system
- Plastic enclosures available on certain models

Flexible, High Reliability, Feature Rich

The systems have a plastic enclosure to eliminate water intrusion. Connectors are built onto the circuit board minimizing wires and simplifying service. The different models have controls for a single 2-speed pump and/or additional blower or pump. All models feature a power supply that is wired to 230V, support multiple topside panels and offer 1, 2 and 3 kW heater.

GL2000 Mach 3 System Specifications

System	Material No.	Pump 1	Pump 2	Circ Pump	Blower	AV (Stereo)	Ozone	Spa Lights	Heater	Control Panels
GL2000	53885-04	240V, 2 Speed	240V, 1 Speed	230V	230V	230V	230V	10V	3.0kW 800	ML400, ML700, ML900
	55048-04	240V, 2 Speed	240V, 1 Speed	230V	230V	230V	230V	10V	3.0kW 800 Incoloy	

Note: GL systems can be custom configured by moving dip switches and in some chases wires and/or jumpers. Please see our Tech Sheets for additional information.

GL2001 Mach 3 System Specifications

System	Material No.	Pump 1	Pump 2	Circ Pump	Blower	AV (Stereo)	Ozone	Spa Lights	Heater	Control Panels
GL2001	53883-04	230V, 2 Speed	230V, 2 Speed	230V	230V	230V	230V	10V	3.0kW	ML400, ML700, ML900
	55216-03	230V, 2 Speed	230V, 2 Speed	230V	230V	230V	230V	10V	3.0kW 800 Incoloy	

Note: GL systems can be custom configured by moving dip switches and in some chases wires and/or jumpers. Circ pump is optional. Please see our Tech Sheets for additional information.

GL8000 and GL8000 Mach 3 System Specifications

System	Material No.	Pump 1	Pump 2	Pump 3	Pump 4	Circ Pump	Blower	AV (Stereo)	Ozone	Spa Lights	Mister	Fiber Optic Light & Wheel	Heater	Control Panels
GL8000	56168	230V 2 Speed	230V 2 Speed	230V 2 Speed	230V 2 Speed	230V	230V 1 Speed	230V	230V	10V	230V	230V	3.0kW	ML700, ML900
	53859-04	230V 2 Speed	230V 2 Speed	230V 2 Speed	230V 2 Speed	230V	230V 1 Speed	230V	230V	10V	230V	230V	3.0kW	

Note: GL systems can be custom configured by moving dip switches and in some chases wires and/or jumpers. For GL8000, Pump 3, Pump 4, Circ Pump, Fiber-Optic or Light 2 are optional. For GL8000 Mach 3, Circ pump and Mister are optional. Please see our Tech Sheets for additional information.

3.0kW Heater Assembly M7



3.0kW Heater Assy M7

Material No.: 58061TUV

- w/sensors (GL8000 only)
- Metal box enclosure, 825 Incoloy



3.0kW Heater Assy M7

Material No.: 58143

- w/sensors (GL8000 only)
- Metal box enclosure, 800 Incoloy



3.0kW Heater Assy M7

Material No.: 58107

- w/sensors (GL2000 & GS Series)
- Plastic box enclosure, 825 Incoloy



3.0kW Heater Assy M7

Material No.: 58118

- w/sensors (GL2000 & GS Series)
- Plastic box enclosure, 800 Incoloy

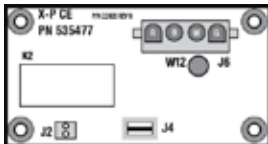
Expansion Options



X-B CE

Material No.: 53311

Used for a 1 Speed Blower output only.



X-P CE

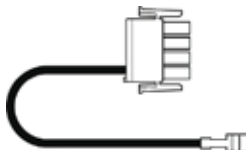
Material No.: 53547

Used for a 1 Speed Pump or Mister output.



X-03 CE

Material No.: 53427



Adapter Wire

Material No.: 25338

X-FOW CE Kit

Material No.: 53976

Special setup with X-03 CE and adapter PN 25338 to operate a fiber-optic light and color wheel independently. Required to operate a Circ Pump is installed on Main PCBA at J2.



X-P231 CE

Material No.: 55025

Can replace the X-P CE in cases where branch circuit protection is needed for high amperage devices that would over-burden power input fuse F6 or F7 (4-C) on the main PCBA.



X-P632 CE

Material No.: 55026

Used for a 2 Speed Pump output or for two 1 Speed Pumps. Can also be used for optional setups.





HeaterSystems

Your Single Source Solution

- Easy to install
- UL approved
- State of the art design
- Simple, inexpensive replacements
- Manufacturing flexibility & easy configuration



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System Heaters

Heat Jacket Systems And Auxiliary Heater

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Heat Jacket System & Auxiliary Heater



Balboa Heat Jacket System

Material No.: 52973-03

This system is pre-wired with a 15 amp GFCI cord end for 120 volt operation. It is designed exclusively for the Heat Jacket application. Panel 53238 is required.

Features Include:

- Separate heat up/down button on panel
- Standby Mode

This system can operate

- 120V One speed Heat Jacket pump
- 12V/120V Spa light



Balboa Canadian Heat Jacket System

Material No.: 53570-03

- Same as 53973-03, except comes with J&J receptacles



Mini Oval Panel/Heat Jacket

Material No.: 53238



15 AMP GFCI

Material No.: 25101



Heat Jacket Board

Material No.: 53247



Auxiliary Heater

Material No.: 58133

- CE/UL Approved
- Plastic box enclosure
- Includes 3.0kW 800 Incoloy heater assembly with M7 sensors



Auxiliary Heater

Material No.: 55209

- CE/UL Approved
- 4.0kW Heater



Auxiliary Heater

Material No.: 58132

- UL Approved
- 5.5kW Heater



Auxiliary Heater

Material No.: 55918

- UL Approved
- 2.0kW Heater



LM8 System

Measurements:

Width 19.12" (48.58cm), Height 15.25" (38.73cm), Depth 4.75" (12.06cm)



Colossus System

Measurements:

Width 13.20" (33.53cm), Height 14.80" (37.59cm), Depth 3.20" (8.13cm)



EL and GL Systems

Measurements:

Width 13" (33cm)
Height 12" (30.48cm)
Depth 5" (12.70cm)



EL8000 and GL8000 System

Measurements:

Width 12.25" (31.11cm)
Height 15.02" (38.15cm)
Depth 3.56" (9.04cm)



VS (NOT VS100), GS and BP Systems

Measurements:

Width 13" (33cm), Height 10.5" (26.67cm), Depth 5" (12.70cm)



Revolution System

Measurements:

Width 19.21" (48.8cm), Height 8.5" (21.60cm), Depth 5.20" (13.50cm)



VS100 System

Measurements:

Width 7.12" (18.08cm), Height 6.12" (15.54cm), Depth 2.39" (6.07cm)



SpaOzone
Your Single Source Solution

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[illegible]



OZONE GENERATOR, CD CHIP

Material No: 54449

Color: Black

Descriptions:

With Amp Cord.



OZONE GENERATOR, CD CARTRIDGE

Material No: 54451

Color: Black

Descriptions:

With Amp Cord.



UV OZONE

Material No: 52468-01

Color: Black

Descriptions:

"What O3 was meant to be " 120V & 240V applications in a single package with Smart Start™ Technology and a Plasma Cell™ UV lamp w/6' tubing 1/4" check value.



OZONE ADAPTER AMP TO J&J

Available In:

21702 - To J&J PSA-103-07

21703 - To J&J SS2 PSA-103-02

21704 - To J&J SS2 PSA-102-FM

21705 - To J&J SS2 PSA-103-L

21706 - To J&J SS2 PSA-103P-3

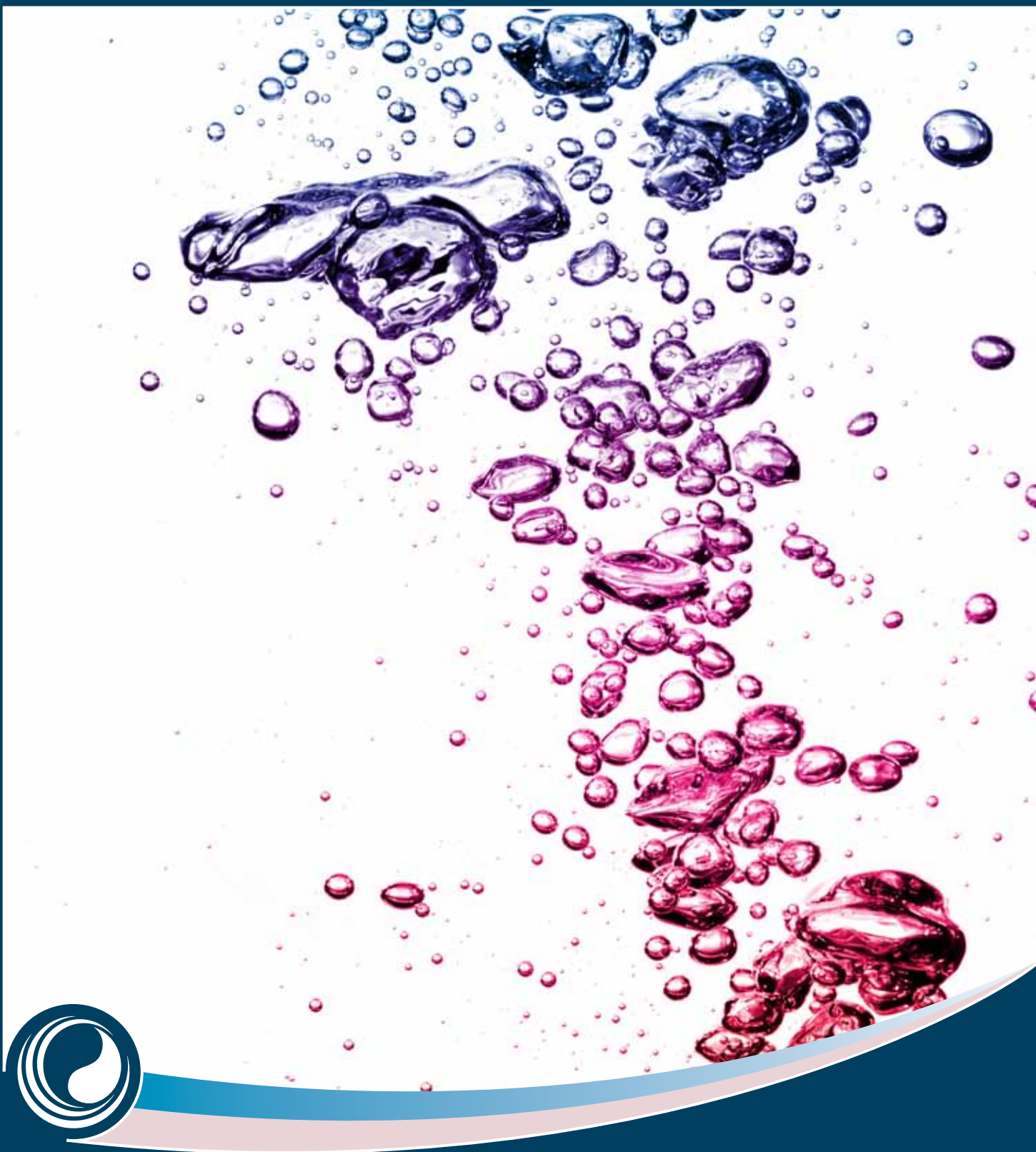
Descriptions:

Ozone Adaptor. (21705 shown)



NOTES:

[illegible]

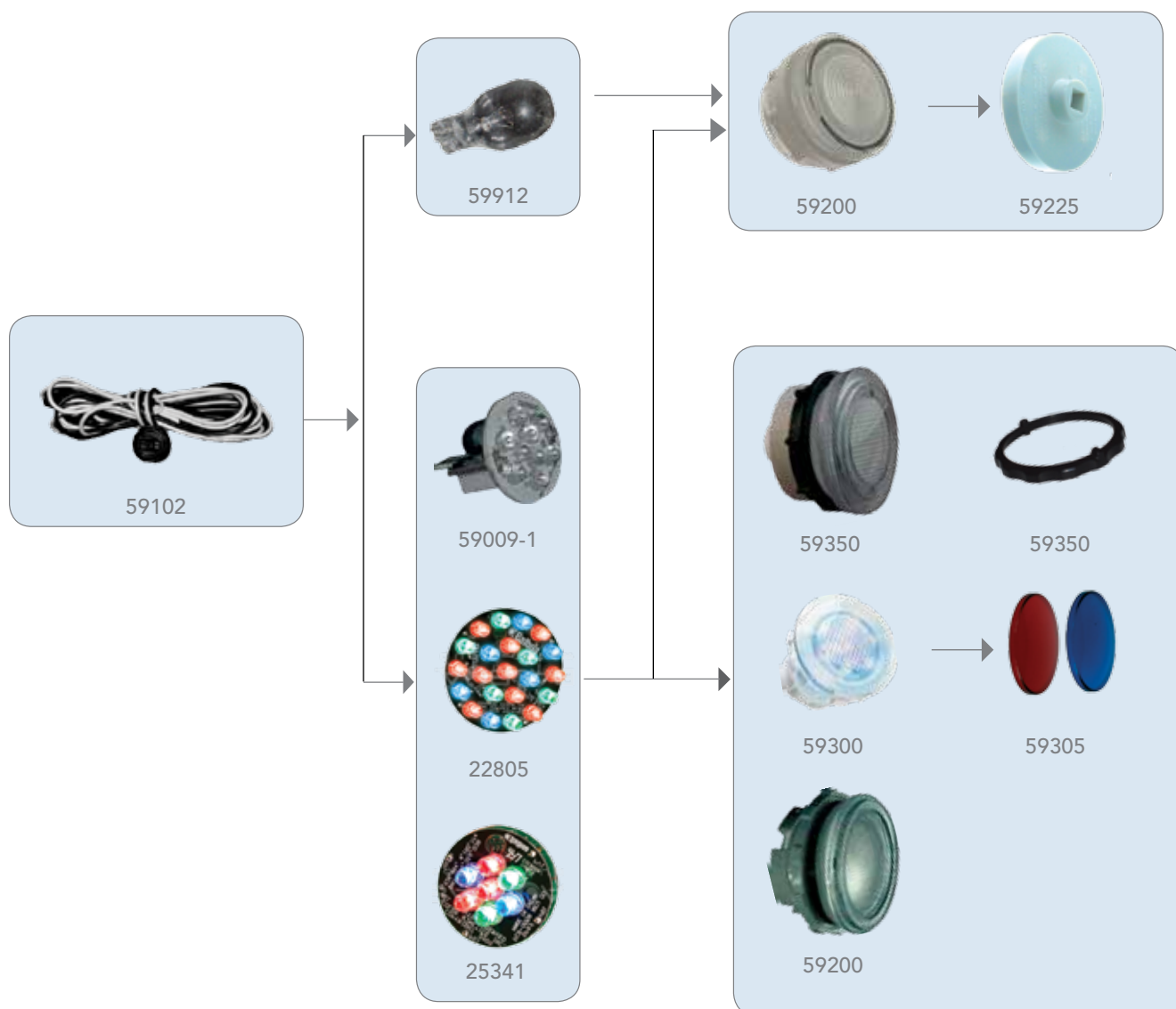


SpaLights
Your Single Source Solution

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[illegible]





FILTER

Material No: 59305

Box Qty: 25

Descriptions: | Blue/Red Filter Kit for 59500/59300/59350



3 1/2" LIGHT KIT WITH HARNESS

Material No: 59300

Box Qty: 25

Descriptions: | Rear Access, UL



2" LIGHT KIT FOR LED BULB

Material No: 59200

Box Qty: 10

Descriptions: | Front Access



5" LIGHT KIT WITH HARNESS

Material No: 59500

Box Qty: 20

Descriptions: | Rear Access, UL



3 1/2" LIGHT WITH LENS REMOVAL TOOL

Material No: 59350

Box Qty: 25

Descriptions: | Front Access, UL



LENS REMOVAL TOOL FOR 59200

Material No: 59225

Box Qty: 10

Descriptions: | Lens removal tool for 59200



LIGHTS

Material No: 59912

Box Qty: 50

Descriptions:

Encapsulated bulb, 12V, 12Watt



MOODEFX™ LED LIGHTS

Material No: 22805

Box Qty: 120

Descriptions:

MoodEFX 22 PLS, 1 per box



MOODEFX™ LED LIGHTS

Material No: 25341

Box Qty: 300

Descriptions:

MoodEFX 7 PLS, 1 per box



LIGHTS

Material No: 59024-1

Box Qty: 10

Descriptions:

24 LED Bulb (10 effect)



LIGHTS

Material No: 59009-1

Box Qty: 10

Descriptions:

9 LED Bulb (10 effect)



LIGHTS

Material No: 59018-1

Box Qty: 10

Descriptions:

18 LED bulb (10 effect)

Spa Lights

MoodEFX® Lighting



SPA LIGHTS



LIGHTS

Material No: 59102

Descriptions:

Wire harness with 2 pin Amp plug
With bare wires (P/N 59100 bulk qty. 200)



eFASTRMA
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[illegible]

E.F.A.S.T. TEST STATION



EFAST SINGLE BAY TEST STATION

Material No: 54764

Description: Standard test station.
Runs one water test at a time.

Bulk Qty. 1

EFAST THREE BAYSTATION 50HZ

Material No: 54076

Description: Enhanced test station.
Capable of running up to three water tests from one computer concurrently.

EFAST THREE BAY TEST STATION

Material No: 54771

Description: Enhanced test station.
Capable of running up to three water tests from one computer concurrently.

Bulk Qty. 1

EFAST SOFTWARE CD

Material No: 60127

Description: Included with the Single Bay and Three Bay test stations.

Descriptions:

Computer requirements for all eFAST stations:

- Pentium 4/1GB/CDROM/NIC/100GB HD
- Internet access and FTP access
- One unused USB port
- Windows 2000 – XP
- CRT or LCD display, – 17" – 22"
- Installation of LogMeln software (comes with device)

POWER REQUIREMENTS

- 240VAC, 50A, 60Hz
- 230 VAC, 30/60A, 50Hz
- Power connectors supplied by customer



RMA TESTER

KIT RMA TESTER

Material No: 70040

Description: Kit RMA Tester.

KIT RMA TESTER (FOR INTERNATIONAL ONLY)

Material No: 70042

Description: Kit RMA Tester.

[illegible]



BLOWER

Compact Heated Blower

Unmatched performance. Proven reliability. Now Available.

- Small compact foot print
- 600W heater
- UL listed
- Works with any control
- Easy to install and service



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NOTES:

[illegible]



OPTION WITH ELECTRONIC CONTROL

8141-6320 (With Heater)

8141-0320 (No Heater)

Electronic Control Options



OPTION WITH AIR SWITCH

Works with Air Buttons

Plastic flat – 13082-XX

Plastic raised – 13083-XX

Plated Metal flat – 18082-XX

Plated Metal raised – 18083-XX

Plated plastic flat – 13085-XX

Plastic flat 1/2 threads with ring on bottom – 13070-XX

Plated plastic flat with ring on bottom – 13071-XX

Plastic flat with loop on bottom – 52110-02XX

All models have compact designs which allow for constrained space installations. Additionally, the Quiet-Flo's air intake is below the output so that the blower can be mounted against a wall without any concern for flow restrictions. The blower will work with any air or electronic control system and comes with a standard NEMA plug. Optional unionized connections and check valves are available.

FEATURES: Compact Design, Small Foot Print, 1 HP Motor, 115V/60Hz/11.3AMPS (6.3 AMPS without heater), Thermally protected motor and works with any control.

Material No: 8141-0020, Without Heater

V/Hz: 115V/60Hz

Amps: 6.3

Horse Power: 1

Cord: NEMA plug

Box Qty: 20

Material No: 8141-6020

V/Hz: 115V/60Hz

Amps: 11.3

Heater: 600W

Horse Power: 1

Cord: NEMA plug

Box Qty: 20



"Flush" On/Off Air Button

Material No: 13070

Box Qty: 25



CHECK VALVE OPTIONS

Material No: 42170

Description: C/V ¼ lb

Material No: 42172

Description: C/V ¾ lb



1/8 x 1/4 Red Vinyl Tubing 500 ft.

Material No: 63016

Qty: Custom (1)



Material No: 42225

Description: C/V ¼ lb Hose SPG

Material No: 42230

Description: C/V ¾ lb Hose SPG



Option with Air Switch
With Heater 8141-6220
No Heater 8141-0220



Material No: 42235

Description: C/V ¼ lb x 1" slip
Box Qty: 25

Material No: 42240

Description: C/V ¾ lb x 1" slip



Material No: 42175

Description: 1.5" Slipblower quick disconnect
Box Qty: 50

Replace XX, YYY or ZZZ with the corresponding color on page 302 for ordering.

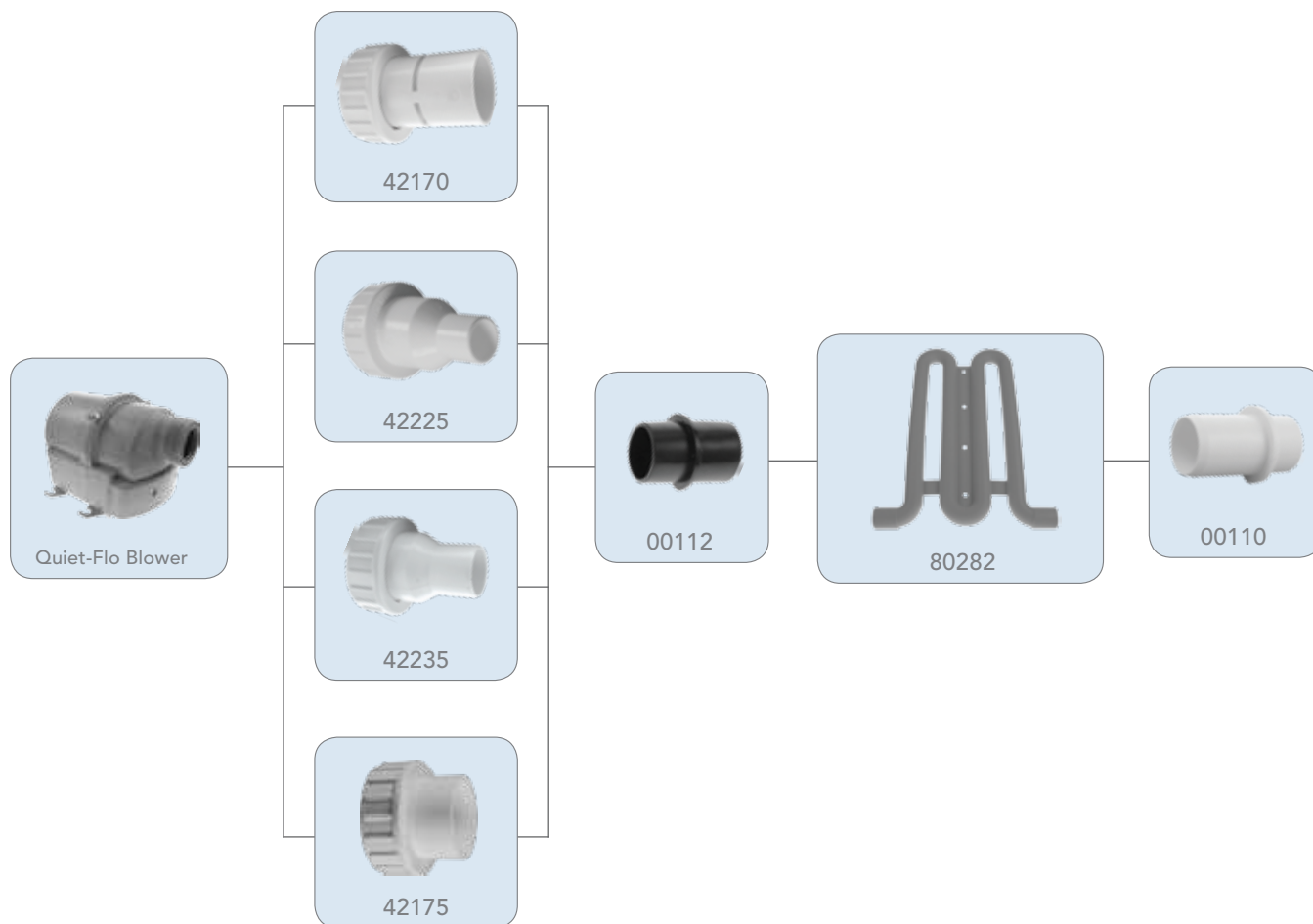
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ADAPTOR

Material No: 00110

Box Qty: 200

Color: White

Descriptions: Adapter for Blower Hose to 1" Spigot.



ADAPTOR

Material No: 00112

Box Qty: 50

Color: Black

Also Available In:
00112M - Adapter from PN 80282
Loop to 32mm Slip.

Descriptions: Adapter from PN 80282 Loop to 1" Slip.



CHECK VALVE

Material No: 42225

Box Qty: 25

Color: White

Also Available In:
42230 - 3/32 lb

Descriptions: Compact Blower Check Valve x Hose
Spigot. ¼ lb.



CHECK VALVE

Material No: 42170

Box Qty: 50

Color: White

Also Available In:
42172 - 3/32 lb

Descriptions: Compact Blower Check Valve x 1½" Slip.
¼ lb.



CHECK VALVE

Material No: 42235

Box Qty: 25

Color: White

Also Available In:
42240 - ¾ lb
42235M - ¼ lb x 32mm

Descriptions: Compact Blower Check Valve x 1" Slip.
¼ lb.



CONNECTOR

Material No: 42175

Box Qty: 50

Color: White

Descriptions: 1½" Quick Disconnect with O-Ring.



HARTFORD LOOP

Material No: 80282

Box Qty: 50

Descriptions: | Loop x Blower Hose Spigot.



CLAMP

Material No: 63095

Box Qty: 50

Descriptions: | Clamp for Blower Hose.



HOSE

Material No: 60074-V

Box Qty: 50

Descriptions: | Hose Blower Hose x 1 1/4" Slip - 72".



Technical Information

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Spa Jets Color

XX COLORS

BK BLACK
CG GREY
MG METALLIC GREY

YYY COLORS

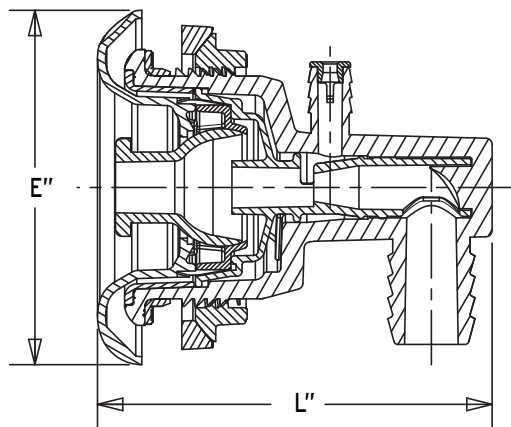
11 BLACK
WW GREY
DM METALLIC GREY
81 LIGHT GREY

ZZZ COLORS

BLK BLACK
GRY GREY
LI GRY LIGHT GREY

Hole Sizing Guide

Santana Jets Bodies	E" Diameter	L" – Length	Hole Size	Torque Foot Pounds
2"	1.9"	2.75"	1.5" (1 ½") L Gasket	5
3"	2.75" (2 ¾")	3.47"	2.125" (2 1/8") L Gasket	9-11
3.5" or 4"	3.20"	3.80"	2.56" (2 9/16") L Gasket	15-18
3.5" or 4"	3.20"	3.80"	2.5" (2 ½") Flat Gasket	15-18
5" or 6.5"	4.75" (4 ¾")	5.30"	3.75" (3 ¾") Flat Gasket	28
5" or 6.5"	4.75" (4 ¾")	5.30"	3.90" L Gasket	28
7"	6.625 (6 5/8")	7.50"	6"	20



Installation Information

Additional Hole Sizing Guide



MATERIAL NO	DESCRIPTION	HOLE SIZE (IN)	HOLE SIZE (MM)
13552	Air Control 1" Top Draw	1 3/4"	44mm
13562/13565/13580/13584/13575/13590/13760/13594	Air Control 1" Underskirt Air Control 1" Underskirt, Long	1 3/4"	44mm
13777U	Toggle Air Control	1 7/8"	48mm
13446U/13240U	New Air Injector Hole Size	5/8"	16mm
Micro/Macro Injector Jets	All Injector Jets (except 13446U and 13240U) & Micro/Macro Wall Fitting	1"	25mm
20336	All Budget, Trim Line, Mini & Adjustasage Jet Wall Fittings	1 3/4"	44mm
25010	All Trans-Adjustable Jet Wall Fittings	2 3/8"	60mm
25017/41920/41924/40115	Jumbo Jet and Niche	3 1/2"	89mm
30139/30147/31990	All Suctions & Skimmer Wall Fittings (except 200 GPM Suction)	2 3/8"	60mm
30237/30343	200 GPM Suction Wall Fittings	3 1/2"	89mm
41927/41930	Spa Drain, Valves	1 3/8"	35mm
41950/41975	Spa Drain, Floor	1 3/4"	44mm
43006 & 43008	On/Off Diverter Valves	1 1/4"	32mm
43025 & 43030	On/Off Valves	2 1/8"	54mm
00372/00375	3/8" Saddle Barb	3/8"	10mm
00300	Cabinet Vent	2 1/2"	64mm
59200	2" Spa Light	2 1/8"	54mm
59300	3.5" Spa Light	2 1/2"	64mm
59500	5" Spa Light	4"	102mm

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BALBOA WATER GROUP LIMITED WARRANTY

Balboa Water Group, a Delaware corporation, and its affiliated entities (collectively "BWG," as defined below), warrants to trade purchasers of its products that the products will be free from defects in workmanship and material under normal use and conditions for a specified length of time as outlined below. BWG reserves the sole authority to make any type of warranty or representation concerning our products. BWG will not be responsible for any warranty or representation made by any outside source, including dealers, distributors, retailers, contractors or OEMs.

LIMITED PRODUCT WARRANTY

Subject to the limitations set forth below, BWG warrants that its products will be free of defects in material and workmanship under normal use. All products or components thereof purchased by BWG from a third party for resale to purchaser shall carry only the warranty extended by the original manufacturer.

USE OF INSTRUCTIONS

Purchaser should carefully read the instructions supplied prior to installing or using the product. If purchaser does not have the instructions, please request them from customer service, at the numbers provided. Products are to be operated only in accordance with the instructions provided. The warranty is void if the product is used in a manner not in accordance with the instructions.

WARRANTY COVERAGE

If a product proves to be defective in material or workmanship during the applicable warranty period then BWG will, at its sole option, either repair or replace the product with like product. Purchaser shall pay all disassembly, removal, refitting and installation costs. Replacement product may include remanufactured or refurbished parts or components. Replacement product may include an appropriate substitute product. All warranty claims must be applied for within sixty-days (60) from when the defect becomes known.

WARRANTY PERIOD

Refer to Appendix A labeled "Product Warranty" to find the warranty time period applicable to each product category or family.

WARRANTY PROCESS

Any warranty claim must be processed with BWG only by the trade purchaser (manufacturer or distributor) who originally purchased the products from BWG. See "How to Get Service" below for further details.

WARRANTY EXCLUSIONS

This warranty does not extend to and is void for any products that have been subjected to: Improper installation or storage; Improper maintenance; Repairs or alterations not authorized or performed by BWG; Accident, damage, abuse, misuse or problems with electrical power; Abnormal or unusual operating conditions or applications; Use not in accordance with product instructions for intended purposes, or use beyond rated capacity, or use in non-residential applications or multi-tenant residential common area applications of more than eight units; A purpose or application in any way different from that for which products were designed; Color variations within a product line or material are common within the industry, and are not the responsibility of BWG. BWG does not warrant any product returned due to mismatching of a color to a particular line or material for which the color was selected.

SPARE PARTS AND TECHNICAL ADVICE

Spare parts are usually stocked by BWG for a reasonable amount of time following the last production run of the product in question. BWG does not warrant that spare parts will be made available for the duration of the warranty coverage or any other specific period of time, and reserves the right to cease supplying spare parts or providing facilities for the repair of spare parts in its discretion. Any technical advice or assistance furnished by BWG with respect to its products covered by this warranty shall be furnished without charge and will be given and accepted at purchaser's sole risk.

HOW TO GET SERVICE

Products cannot be returned to BWG without prior approval and a return authorization number that must be applied on all shipping documents and boxes. Shipments must be via pre-paid freight to the location specified by BWG.

To start the warranty process, please contact a customer service representative at the numbers provided. You will need to provide the following: The product, Confirmation, in writing, specifying the nature of the claim, Proof of the date of original purchase, Full contact details, including name and address, The serial number, if applicable, Freight is at sender's expense unless otherwise authorized by BWG. A \$50 USD/ 40EUR hourly fee plus reimbursement of all shipping expenses, if applicable, will be charged to purchaser for any merchandise returned for inspection that does not reveal defects of material or workmanship.

LIMITATION OF WARRANTIES

BWG'S SOLE RESPONSIBILITY FOR DEFECTS IN MATERIALS AND WORKMANSHIP IS STRICTLY LIMITED TO REPAIR OR REPLACEMENT AS SET FORTH IN THIS WARRANTY STATEMENT. BWG EXPRESSLY DISCLAIMS AND EXCLUDES ALL EXPRESS AND IMPLIED WARRANTIES FOR THE PRODUCTS, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES AND CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT WARRANTIES, AND SPECIFICALLY DISCLAIMS ALL LIABILITIES TO THIRD PARTIES. In no event shall BWG be liable to purchaser for any amounts in excess of the purchase price paid for the individual product which is the subject of the cause of action.

EXCLUSION OF DAMAGES

This is BWG's sole and exclusive warranty and supersedes and replaces all other warranties, written or oral, express or implied. BWG will not be liable for any loss, liability, damage, expense, cost or obligation, whether direct or indirect, including but not limited to water damages, removal and replacement labor, damages due to delay in performance, property loss, injury, death or any other consequential, incidental, special or punitive damages of any type, resulting from the purchase or use of its products, and purchaser assumes all such risks and shall indemnify, defend and hold BWG harmless from all such risks and shall carry adequate insurance against all such risks. The term "consequential damages" shall include, but not be limited to, loss of anticipated profits, business interruption, loss of use of revenue, cost of capital or loss or damage to property or equipment. Further, BWG does not assume liability for defective products or software or damage caused by defective products or software not manufactured or sold by it even though such products or software may be used in conjunction with BWG's products. This warranty is NOT a consumer warranty, is not transferable or assignable (by operation of law or otherwise), and does not extend to anyone other than those who purchase products directly from BWG.

GOVERNING LAWS AND VENUES

For products shipped from the United States, this warranty will be interpreted and enforced in accordance with the laws of the State of California regardless of any choice of law principles and excluding the application of the United Nations Convention on Contracts for the International Sale of Goods and INCOTERMS 2000. The parties will submit any dispute or claim arising under or relating to this warranty to the exclusive jurisdiction of the U.S. federal or California state courts within the County of Orange, State of California, and the parties hereby submit to, and waive any objection to, personal jurisdiction and venue in such courts for such purpose. For products shipped from Denmark, this warranty shall be governed by, interpreted under, and construed and enforced in accordance with the normal rules of Danish law, excluding, without limitation, the application of the United Nations Convention on Contracts for the International Sale of Goods, and any and all disputes shall be heard solely by Esbjerg Court, Denmark. For products shipped from Australia, this shall be governed by, interpreted under, and construed and enforced in accordance with the internal laws of the Province of Victoria of Australia excluding, without limitation, the application of the United Nations Convention on Contracts for the International Sale of Goods, and any and all disputes shall be heard solely by the provincial court located in Melbourne, Australia. If any provision of this warranty is found by a court of competent jurisdiction to be unenforceable, that provision will be severed and the remainder of this warranty will continue in full force and effect.

DEFINITIONS

As used herein BWG is comprised of the following affiliated entities and divisions: Balboa Water Group, a Delaware corporation; Balboa Instruments, Inc., a California corporation; HydroAir; HydroAir International; and GG Industries.

APPENDIX A PRODUCT WARRANTY Specific Product Warranty Warranty applies to residential applications only		
Covered Product	Limited Warranty Period	Exceptions
Spa Electronic Systems: EL, GL, VS, GS	1 Year From Date of Manufacture	Heaters are warranted as a complete heater unit. Removal of the heater element from the heater tube, probes, sensors or altering any component at any time before returning to BWG voids the warranty.
All other systems and components when sold separately and all other items not listed. This includes bath controls, topsides, heaters, and related components.	1 Year From Date of Manufacture	
Spa Control Panels: ML, VL, Auxiliary	1 Years From Date of Manufacture	
Ozone Generators:	1 Year From Date of Manufacture	
Accessories: All other products including spa accessories, wireless panels, pressure switches, misc. components, spa monitor, Mighty-Vac, lighting, stereo and accessories, etc.	1 Year From Date of Manufacture	Batteries
Plastic Fittings and components:	1 Year from Date of Purchase	
Blowers & Vacs:	1 Year From Date of Manufacture	If pipe is glued to the base of the Blower, warranty will be voided.
Pumps:	1 Year From Date of Manufacture Label Program	56 Frame Spa pumps 3 years from date of motor manufacture
Circuit Boards: Repaired out of warranty circuit board	90 days	From date of repair
Circuit Boards: Sold used and reconditioned circuit boards	90 days	From date of shipment

Balboa

Water Group World-Wide

BALBOA WATER GROUP
www.balboawater.com

Corporate Office, Tustin, California
Electronic Manufacturing
1382 Bell Avenue
Tustin, California 92780
P 714.384.0384
F 714.384.0385

Valencia, California
Whirlpool Spa and Bath Manufacturing
28545 Livingston Avenue
Valencia, California 91355
P 714.384.0384
F 714.384.0385

Varde, Denmark
European Sales Division
Roustvej 50
DK-6800 Varde, Denmark
P +45.75.22.46.88
F +45.75.22.52.45

Melbourne, Australia
Australian Sales Division
P 1.800 137 879
F 1.800 0703 233

