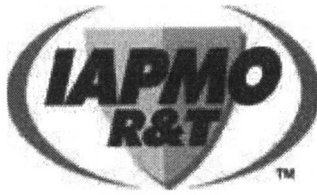


IAPMO RESEARCH AND TESTING, INC.

5001 E. Philadelphia Street, Ontario, CA 91761 • Phone (909) 472-4100 • Fax (909) 472-4244 • www.iapmort.org



CERTIFICATE OF LISTING



IAPMO Research and Testing, Inc. is a product certification body in which its product certification system includes inspection and testing of samples taken from the supplier's stock or from the market or a combination of both to verify compliance to the requirements of applicable codes and standards. This activity is coupled with periodic surveillance of the supplier's factory and/or warehouses as well as the assessment of the supplier's Quality Assurance System. This listing is subject to the conditions set forth in the characteristics below and is not to be construed as any recommendation, assurance or guarantee by IAPMO Research and Testing, Inc. of the product acceptance by Authorities Having Jurisdiction.

Issued To:

Precision Polymers, LLC dba Oliver Fiberglass Products

609 SWAN AVE. HOHENWALD, TN 38462, United States

Product:

Hydromassage Bathtubs With Pressure Sealed Doors (Plastic)

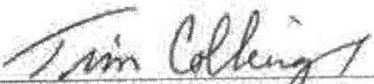
Products are in compliance with the following code(s):
Uniform Swimming Pool, Spa and Hot Tub Code (USPC®)
National Plumbing Code of Canada

Products are certified to the following standard(s)
ASME A112.19.15-2012 and ASME A112.19.7-2012/CSA B45.10-12 (R2017)

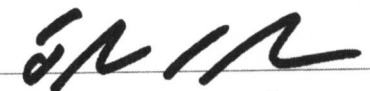
File Number: SP-12434

Effective Date: May 2020

Void After: May 2025*


Chairman, Product Certification Committee




Chief Technical Service Officer

*This certificate is not evidence of current listing. To verify listing status, visit the IAPMO R&T Product Listing Directory at pld.iapmo.org

This listing period is based upon the last date of the month indicated on the Effective Date and Void After Date shown above. Any change in material, manufacturing process, marking or design without having first obtained the approval of the Product Certification Committee, or any evidence of non-compliance with applicable codes and standards or of inferior workmanship, may be deemed sufficient cause for revocation of this listing. Production of or reference to this form for advertising purposes may be made only by specific written permission of IAPMO Research and Testing, Inc. Any alteration of this certificate could be grounds for revocation of the listing. This document shall be reproduced in its entirety.

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: Precision Polymers, LLC dba Oliver Fiberglass
Products

Effective Date: May 2020

File Number: SP-12434

Product: Hydromassage Bathtubs With Pressure Sealed
Doors (Plastic)

Void After: May 2025

This certificate is not evidence of current listing. To verify listing status, visit the IAPMO R&T Product Listing Directory at pld.iapmo.org

Identification:

Product shall be marked with the manufacturer's name or trademark and model number. Markings shall be permanent, legible and visible after installation. For all units, an adequately sized label shall be affixed to the visible surface adjacent to the waste and overflow, with the following printed in 5mm (.2 in) high contrasting letters: "BATHTUB SHALL BE TESTED. FILL THE TUB WITH WATER TO OVERFLOW DURING ROUGH INSPECTION AND INSPECT FOR LEAKS." The product shall also bear the cUSPC® certification mark.

Characteristics:

Hydromassage Bathtubs with Pressure Sealed Doors are to be installed with other IAPMO R&T listed fittings. Bathtubs intended for installation against a wall shall incorporate an integral, factory applied or field applied nailing flange. Bathtubs without nailing flanges are listed as drop-in units only, and are not to be installed against a wall. To be installed in accordance with the manufacturer's instructions and the requirements of the latest edition of the Uniform Swimming Pool, Spa and Hot Tub Code and National Plumbing Code of Canada.

Products listed on this certificate have been tested by an IAPMO R&T recognized laboratory. This recognition has been granted based upon the laboratory's compliance to the applicable requirements of ISO/IEC 17025.

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: Precsion Polymers, LLC dba Oliver Fiberglass
Products

Effective Date: May 2020

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Product: Hydromassage Bathtubs With Pressure Sealed
Doors (Plastic)

Void After: May 2025

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Models

Model Number	Description
SSWT *2847 ** LOADED	WALK-IN TUB
SSWT *3153 ** LOADED	WALK-IN TUB
SSWT *5116 ** LOADED	WALK-IN TUB
SSWT OS3050 **-TMBJ	WALK-IN TUB
SSP-*3260 **	
***	represents different system types as follows:
HS	AIR/WATER SYSTEM W/ HEATED SEAT
ECO	WATER SYSTEM ONLY
TMBJ	AIR/WATER/MICRO SYSTEM W/ HEATED SEAT
CD-TMBJ	CENTER DRAIN AIR/WATER/MICRO SYSTEM W/ HEATED SEAT
CDECO	CENTER DRAIN WATER SYSTEM ONLY
AS	AIR SYSTEM ONLY
WS	WATER SYSTEM ONLY
SP	AIR /WATER SYSTEM W/HEATED SEAT
****	represents color and door location as follows
LBN	LEFT HAND DOOR, BONE COLOR
LWH	LEFT HAND DOOR, WHITE COLOR
RBN	RIGHT HAND DOOR, BONE COLOR
RWH	RIGHT HAND DOOR, WHITE COLOR

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: Precsion Polymers, LLC dba Oliver Fiberglass Products

Effective Date: May 2020

File Number: SP-12434

Product: Hydromassage Bathtubs With Pressure Sealed Doors (Plastic)

Void After: May 2025

This certificate is not evidence of current listing.To verify listing status, visit the IAPMO R&T Product Listing Directory at pld.iapmo.org

Additional Company Information

Safe Step Walk-in Tub, LLC

Model Number	Description
SSS*2820**	SAFE STEP WALK-IN TUB
SSS*3120**	SAFE STEP WALK-IN TUB
SSS*5120**	SAFE STEP WALK-IN TUB
SSSOS 3020 **	SAFE STEP WALK-IN TUB
SSP3260 * **	SAFE STEP PRO
***	represents different system types as follows
DJE	AIR/WATER SYSTEM W/ HEATED SEAT
CJ	WATER SYSTEM ONLY
MBJE	AIR/WATER/MICRO SYSTEM W/ HEATED SEAT
MBJE CD	CENTER DRAIN AIR/WATER/MICRO SYSTEM W/ HEATED SEAT
CJ CD	CENTER DRAIN WATER SYSTEM ONLY
AIR	AIR SYSTEM ONLY
HYD	WATER SYSTEM ONLY
SPA	AIR /WATER SYSTEM W/HEATED SEAT
****	represents color and door location as follows:
LBN	LEFT HAND DOOR, BONE COLOR
LWH	LEFT HAND DOOR, WHITE COLOR
RBN	RIGHT HAND DOOR, BONE COLOR
RWH	RIGHT HAND DOOR, WHITE COLOR

USER SERVICE INSTRUCTIONS

- All service and repairs must be performed by a qualified service technician in accordance with all applicable local and national codes.
- Contact your dealer/distributor for replacement parts.

INSTALLATION INSTRUCTIONS *Read carefully before installation*

WARNING:

Follow basic precautions when using electrical products.

Electrical shock risk: Use only circuits protected by a ground-fault circuit interrupter (GFCI) to connect tub. All electrical connections should be made by a qualified licensed electrician, following the requirements of national electrical codes and procedures. Grounding is required.

PRE-INSTALLATION INSTRUCTIONS

1. Unpack/inspect the unit carefully for freight damage, even if there is no damage to the container. If needed, contact your dealer/distributor right away and file a freight claim.
2. Walk-in tubs are water tested and operated in the factory before shipment. Sometimes however, handling may cause leaks which may be seen (if water tested) before installation.
3. Remove tub from shipping pallet.
4. Place tub on a level surface in an area where it can be drained and lower the two middle feet.
5. Only lift tub by the aluminum frame.
6. Install waste overflow and drain kit and faucets per manufacturers instructions.
7. Close drain, fill tub with water to the overflow and let stand for a few minutes.
8. Use an extension cord, plug in pump cord and run system for about 10 minutes. Check the tub carefully for leaks. Turn system off and let stand for another 10 minutes. Thoroughly inspect tub around pump, all plumbing fittings and door for any leaks. Drain tub and check drain area for leaks. Defects must be reported to your dealer/distributor before installation to keep warranty valid.
9. Obtain necessary permits and check that your installation will follow all applicable codes.

IMPORTANT: FAILURE TO FOLLOW THE PRE-INSTALLATION PROCEDURES; MANUFACTURER WILL NOT BE LIABLE FOR THE REMOVAL OR INSTALLATION OF THE BATHTUB, AND COULD RESULT IN TERMINATION OF THE WARRANTY.

INSTALLATION PROCEDURES

1. Refer to installation diagrams for framing rough-in dimensions.
2. Tub must be set on a solid flat surface capable of supporting it with the use of the six (6) adjustable feet which must come in contact with the floor.
3. Make plumbing connections (faucet, hoses, and waste/overflow) before setting tub in-place. Refer to manufacturer's instructions included with faucet and waste/overflow kit.
4. The filler panel is only needed for installations greater than 51" up to 60".

ELECTRICAL INSTRUCTIONS

Requires one dedicated 20-amp, 120 volt service, GFCI circuit depending upon individual tub configuration.

Follow the local codes and instructions.

Note: Provide a power receptacle appropriately rated for each circuit.

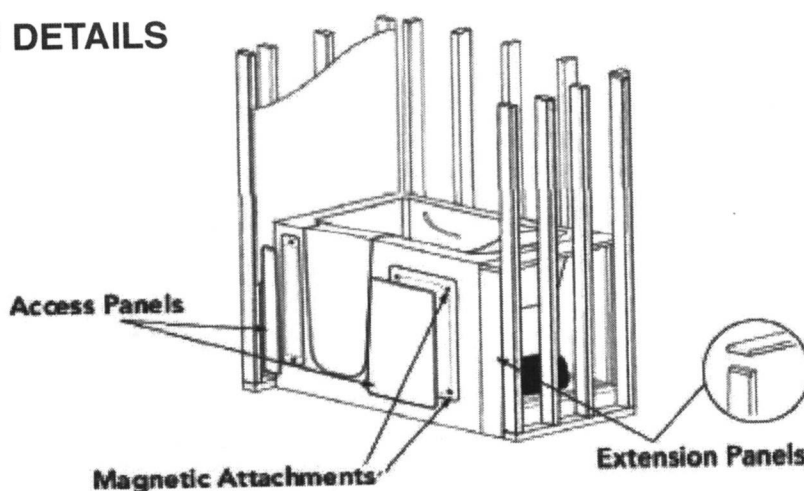
POST-INSTALLATION TESTING, CAULKING AND CLEANING

System test: To make sure all plumbing and air massage system connections are installed correctly, after installation run the following tests.

1. Remove all loose debris from tub before filling with water. Use a damp cloth and wipe down door seal and the surface in the door jam that comes in contact with the door seal.
2. Fill tub to the overflow and inspect for leaks. Use hands to check where visual verification is not possible.
3. Turn pump and/or blower on and let it run for at least 15 minutes. Inspect for leaks while the pump(s) are running and again after the pump(s) are turned off. Use hands to check where visual verification is not possible.
4. Drain tub and check drain area for leaks.
5. Once testing is completed, caulk all seams including skirt reveal.

Service issues should be referred to your dealer/distributor.

INSTALLATION DETAILS



BASE MODEL	HEIGHT	LENGTH	WIDTH	STEP-IN	DECK WIDTH	DOOR WIDTH	SEAT DEPTH	SEAT HEIGHT	DRAIN D X W
2847	36.50"	47.00"	28.00"	3.875"	4.00"	15.75"	14.50"	17.00"	23.785" x 14"
5116	38.50"	51.00"	28.00"	3.875"	5.00"	20.50"	14.00"	17.00"	26.25" x 14"
3153	36.50"	53.00"	30.375"	3.875"	5.00"	20.50"	14.50"	17.00"	29.625" x 15.25"

TROUBLESHOOTING

WARNING: Turn off power at main electrical service panel when servicing your walk-in tub.

SYMPTOMS	PROBLEMS	SOLUTIONS
Motor doesn't start	Breaker/GFCI in off position Not enough water in tub Defective/disconnected wiring	Reset breaker or GFCI Add water to cover higher jets Check/reconnect if needed
Repeated breaker trips	Short between breaker and tub Breaker/GFCI defective	Look for short in wiring Replace breaker or GFCI
Motor won't reach full speed	Voltage too low Wiring too small	Contact licensed electrician
Overheating motor	Voltage too low Wiring too small Lack of ventilation	Contact licensed electrician Gain ventilation to motor
Leaking around pump	Unions loose Missing o-ring	Hand tighten unions Replace o-ring
Back jets have no pressure	Jet in closed position	Turn jet face 1/2 turn counter clockwise
The desired mixed water temperature is difficult to set or cannot be obtained	Inlet temperatures are not within specific limits Hot and cold supplies are reversed Strainers are blocked	Ensure inlet temperatures are within the limits for the valve Refit the valve with supplies fitted to the correct connections Clean strainers
Mix temperature unstable or changing over time	Strainers are blocked Fluctuating supply pressures	Clean strainers Install pressure regulating valves on hot and cold supplies

SYMPTOMS	PROBLEMS	SOLUTIONS
Either full hot or full cold water flowing from outlet fixture	Valve is incorrectly set Hot and cold supplies are reversed Hot/Cold water has migrated to other inlet	Adjust mix temperature as required. Refit the valve with the supplies fitted to the correct connections Check non-return valve is not blocked (clean if necessary)
No flow from the valve outlet	Hot or cold water supply failure Strainers are blocked	Restore inlet supplies and check mix temperature Clean strainers
Flow rate reduced or fluctuating	Strainers blocked Fluctuating supply pressures	Clean strainers Install pressure regulating valves
Mixed water temperature does not change when temperature adjuster is altered	Hot and cold supplies are reversed	Refit the valve with supplies fitted to the correct connections
Hot water flows into the cold water system or vice versa	Non-return valves fouled	Clean strainers ensuring debris is removed
Valve is noisy	Excessive water velocity Valve sized incorrectly	Reduce water velocity (fit a pressure regulating valve) Check valve specs and ensure the appropriate valve is used

DOOR SEAL LEAKING PROCEDURES FOR 2847, 5116, 3153 TUB MODELS

If a small leak has been found around the door, look closely for any build-up of dirt or debris. Small collections of water either on the door seal or where the seal meets the door jam could end up being a minor leak through the door seal.

1. Wipe down the door seal with a damp soft cloth before filling tub, along with the surface on the door jam that comes in contact with the seal.
2. Once these surfaces have been wiped clean, make sure that when closing the door, the latch is completely locked forward.

Note: When draining the tub, be sure that the door latch is in the locked position (forward). If it's not secure when draining, as the water level lowers, the pressure on the door will be lessened, increasing the risk of a leak around the door.

SPECIFICATION / BREAK DOWN

Description

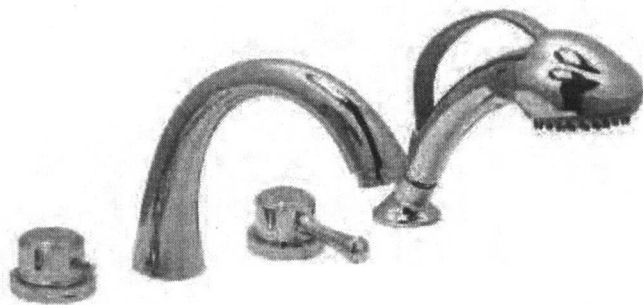
- Thermostatic Roman Tub Filler
- Two way diverter with stop
- Brass tub spout
- Single setting handshower with pause function
- 1.8 GPM @ 80 PSI handshower
- 59" Metal shower hose

Standards

- Complies with IAPMO UPC/cUPC
- ASME A112.18.1
- Complies with B125.1
- ADA Accessibility Guidelines for Buildings and Facilities - 4.27.4 Controls and Mechanisms
- ASSE 1070 Certified and listed

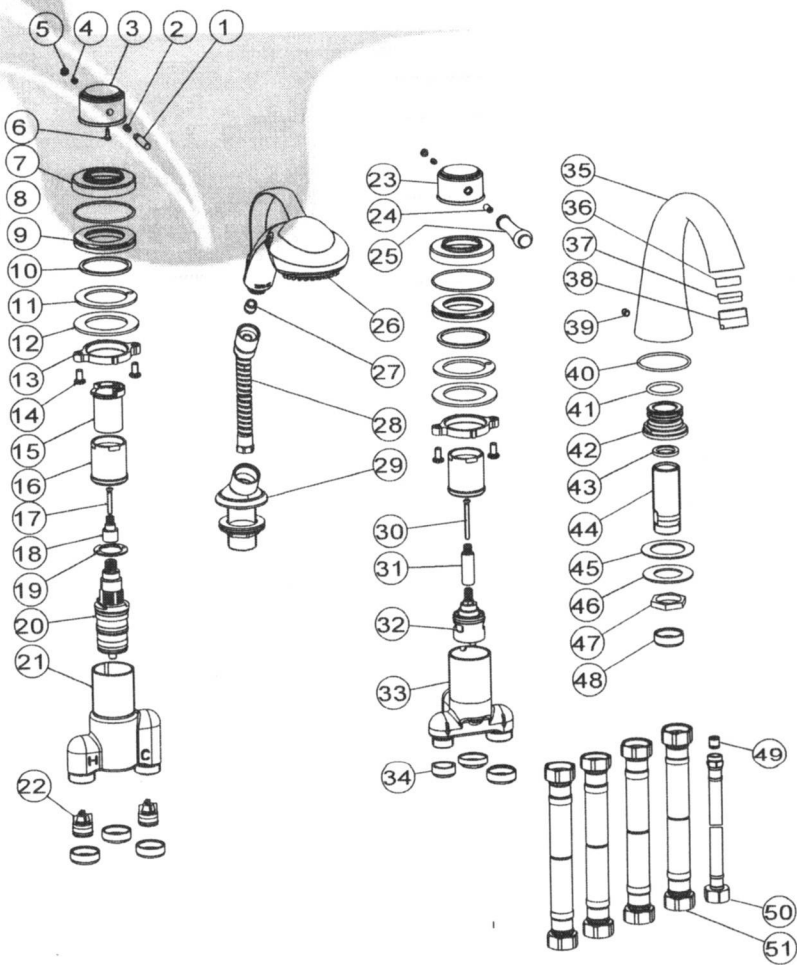
Colors / Finishes

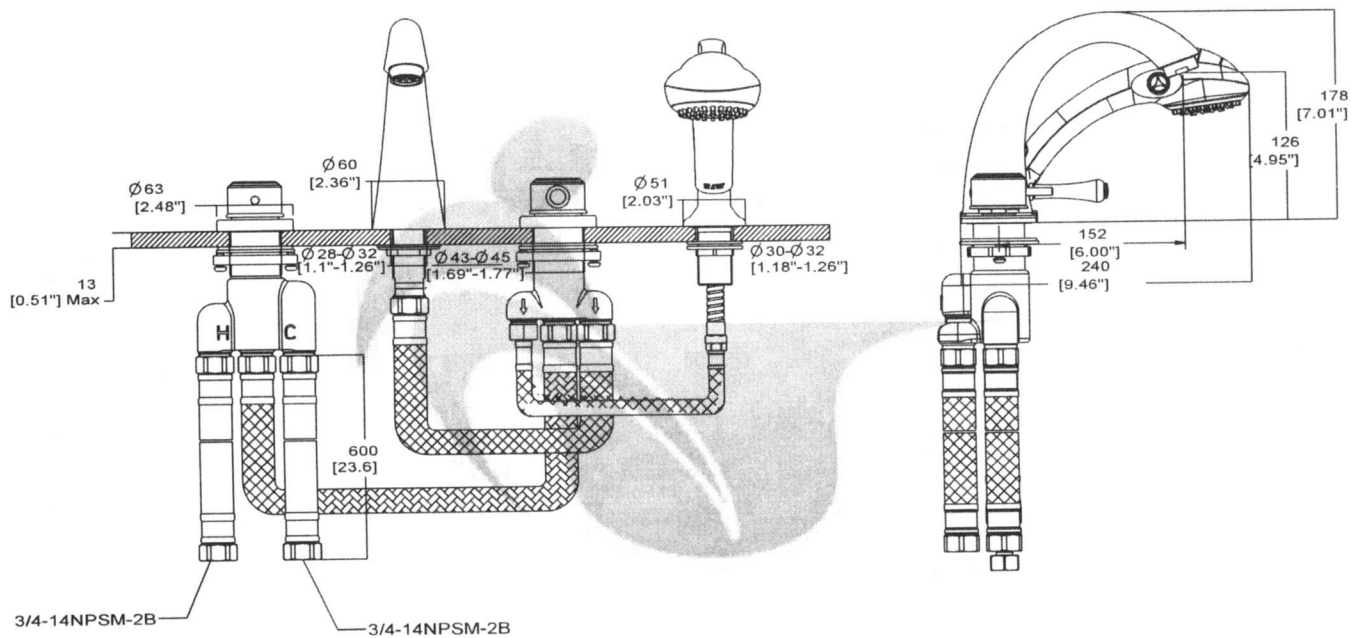
- SS800CP - Chrome
- SS800BN - Brushed Nickel
- SS800ORB - Oiled Rubbed Bronze



BREAK DOWN

NO.	Drawing No.	Part Desc	Qty
1	CTHB0373	PUSH-BUTTON	1
2	CTBT0099	SPRING	1
3	CTDB0614	HANDLE BODY	1
4	CTST0117	SCREW	2
5	CTCP0072	CAP	2
6	CTBB0035	PIN	1
7	CTCB0938	COVER	2
8	CTRR0247	O-RING	2
9	CTNB0416	NUT	2
10	CTWR0384	WASHER	2
11	CTWR0350	WASHER	2
12	CTWT0107	PLATE	2
13	CTNB0415	NUT	2
14	CTST0308	SCREW	4
15	CTCP0561	STOP-RING	1
16	CTCB0937	LOCK SLEEVE	2
17	CTST0050	SCREW	1
18	CTMB0879	ADAPTER	1
19	CTKT0073	LOCATING RING	1
20	ATBA0370	CARTRIDGE	1
21	CTYB0765	BODY	1
22	ATBA0373	CHECKSTOP	2
23	CTDB0615	HANDLE BODY	1
24	CTST0136	SCREW	1
25	CTHB0187	HANDLE	1
26	ATBE0201	SHOWER	1
27	ATBA0212	CHECKSTOP	1
28	ATBP0070	HOSE	1
29	ATBQ0256	SUPPORTER	1
30	CTST0309	SCREW	1
31	CTMB0880	ADAPTER	1
32	ATBA0239	DIVERTER	1
33	CTYB0766	BODY	1
34	CTQP0023	COVER	1
35	CTFB0275	SPOUT	1
36	CTWR0018	WASHER	1
37	CTQP0030	AERATOR	1
38	CTXB0021	AERATOR COVER	1
39	CTST0153	SCREW	1
40	CTRR0108	O-RING	1
41	CTRR0137	O-RING	1
42	CTDB0131	BASE	1
43	CTWR0146	WASHER	1
44	CTPB0649	SHANK	1
45	CTWR0115	WASHER	1
46	CTWT0038	PLATE	1
47	CTNB0156	NUT	1
48	CTQP0073	COVER	6
49	ATBA0100	CHECKSTOP	1
50	ATBP0071	HOSE	1
51	ATBP0516	HOSE	4





Inches marked in parentheses []

Item Number	Type	Date
SS800	Thermostatic Roman Tub Filler	08/22/2023

SPECIFICATION / BREAK DOWN

Description

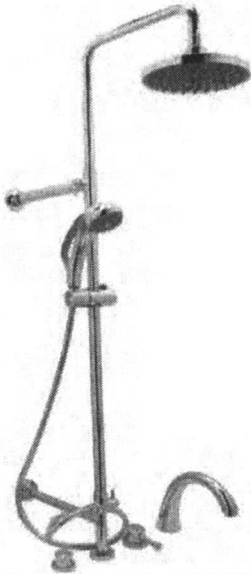
- Thermostatic Roman Tub Filler with Shower
- Two way diverter with stop
- Brass tub spout
- Single setting handshower with pause function
- 1.8 GPM @ 80 PSI handshower
- 59" Metal shower hose
- Adjustable height shower with rain shower head

Standards

- Complies with IAOMO UPC/cUPC
- ASME A112.18.1
- Complies with B125.1
- ADA Accessibility Guidelines for Buildings and Facilities - 4.27.4
- ASSE 1016 Certified and Listed

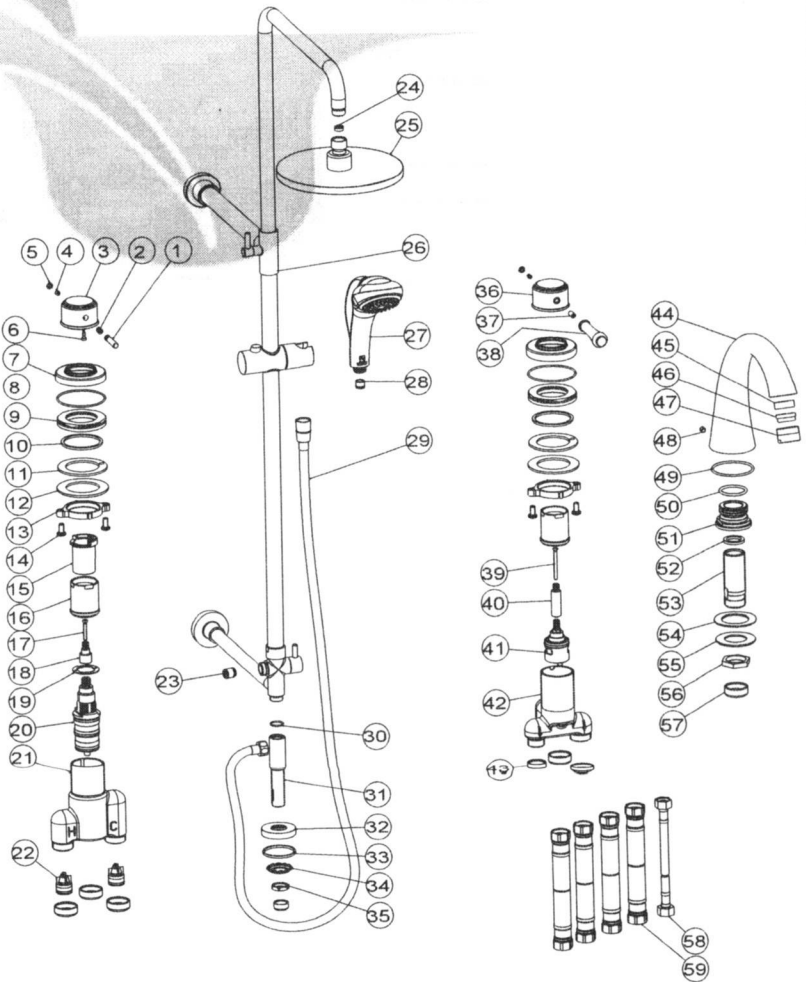
Colors / Finishes

SS900CP - Chrome
SS900BN - Brushed Nickel
SS900ORB - Oil Rubbed Bronze



BREAK DOWN

NO.	Drawing No.	Part Desc	Qty
1	CTHB0373	PUSH-BUTTON	1
2	CTBT0099	SPRING	1
3	CTDB0614	HANDLE BODY	1
4	CTST0117	SCREW	2
5	CTCP0072	CAP	2
6	CTBB0035	PIN	1
7	CTCB0938	COVER	2
8	CTRR0247	O-RING	2
9	CTNB0416	NUT	2
10	CTWR0384	WASHER	2
11	CTWR0350	WASHER	2
12	CTWT0107	PLATE	2
13	CTNB0415	NUT	2
14	CTST0308	SCREW	4
15	CTCP0561	STOP-RING	1
16	CTCB0937	LOCK SLEEVE	2
17	CTST0050	SCREW	1
18	CTMB0879	ADAPTER	1
19	CTKT0073	LOCATING RING	1
20	ATBA0370	CARTRIDGE	1
21	CTYB0765	BODY	2
22	ATBA0373	CHECKSTOP	1
23	ATBA04027	RESTRICTOR	1
24	ATBA0203	CHECKSTOP	1
25	ATBE0303	SHOWER TUBE SET	1
26	ATBP0819	SHOWER	1
27	ATBE0201	SHOWER	1
28	ATBA0212	CHECKSTOP	1
29	ATBP0056	HOSE	1
30	CTRR0045	O-RING	1
31	CTPB0651	CONNECTOR	1
32	CTCB0638	FLANGE	1
33	CTWR0114	WASHER	1
34	CTWT0093	PLATE	1
35	CTNB0348	NUT	1
36	CTDB0615	HANDLE BODY	1
37	CTST0136	SCREW	1
38	CTHB0187	HANDLE	1
39	CTST0309	SCREW	1
40	CTMB0880	ADAPTER	1
41	ATBA0239	DIVERTER	1
42	CTYB0766	BODY	1
43	CTQP0023	COVER	2
44	CTEB0275	SPOUT	1
45	CTWR0018	WASHER	1
46	CTQP0030	AERATOR	1
47	CTXB0021	AERATOR COVER	1
48	CTST0153	SCREW	1
49	CTRR0108	O-RING	1
50	CTRR0137	O-RING	1
51	CTDB0131	BASE	1
52	CTWR0146	WASHER	1
53	CTPB0649	SHANK	1
54	CTWR0115	WASHER	1
55	CTWT0038	PLATE	1
56	CTNB0156	NUT	1
57	CTQP0073	COVER	6
58	ATBP0313	HOSE	1
59	ATBP0516	HOSE	4





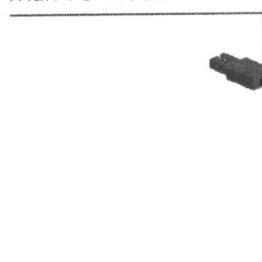
Configuration 1:
Custom Keypads CIDU-264-02-[14/15/16]-02
Single Speed Pump, Dual Speed Bower, Microbubble

System Identification CMBC-298-03-01-01

Controller Installation Diagram

TO SURFACE HEATER PADS

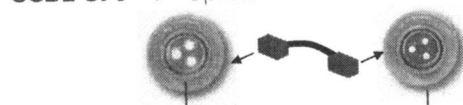
24VDC Power Connector
Max 70 Watts Heater Blanket Load



**To 120V GFCI
Protected Receptacle**
15A according to the
Controller Model

**Female Rear Cord
TO AIR BLOWER**
Max 10A Load

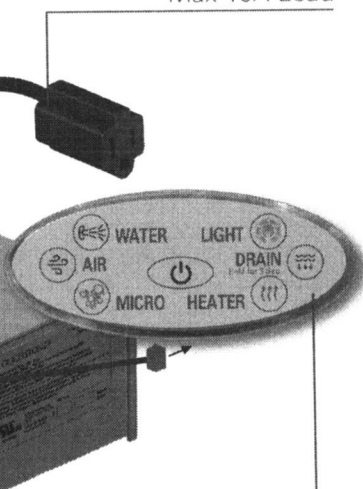
CCBL-372 x2 daisy chained or
CCBL-376 "Y" Splitter



CICL-297 Tub Lights x2 Max
Connect to "ICL Light"



**Female Top Cord
TO MB2G10000[S/X]CB
MICROBUBBLE/BATH PUMP**
Max 10A Load



CIDU-264-02-14/15/16-02 Keypad
Connect cable to
3-position connector

CCBL-372
Connect to "DISPLAY"

TO EDV310[L/R] JET/MICRO DIVERTER
Connect to "AUX 2"

**TO DCE-[100/200]-XX CABLE
DRAIN ACTUATOR**
Connect to "AUX 4"

NOTES:

1. PUMPS equipped with air switch must be in the "ON" position prior to plugging into the controller.
2. The combined rating of both Loads must not exceed the Controller's Amperage Rating of 15A.
3. Connect only Heater Blankets to the 24VDC Power Connector.
4. Connect cables to ports as shown. Installation may not require the use of all connection ports.

CAUTION Failure to connect cables to ports as shown, may damage the control box and its components and void any warranties.

CERTIFICATE OF COMPLIANCE

Certificate Number 20140117-E332700
Report Reference E332700-20100524
Issue Date 2014-JANUARY-17

Issued to: PRECISION POLYMERS L L C, DBA OLIVER
FIBERGLASS PRODUCTS
609 SWAN AVE HOHENWALD TN 38462-1231

This is to certify that
representative samples of

HYDROMASSAGE BATHTUBS
USL, CNL: Hydromassage Bathtubs, Model Walk-In Tub,
LP2848, LP2851, LP2853, LP3255, LP3153

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

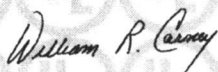
Standard(s) for Safety: Hydromassage Bathtubs, UL 1795
Hydromassage Bathtub Appliances, CSA C22.2 No. 218.2-
93

Additional Information: See the UL Online Certifications Directory at
www.ul.com/database for additional information

Only those products bearing the UL Listing Mark for the US and Canada should be considered as
being covered by UL's Listing and Follow-Up Service meeting the appropriate requirements for US
and Canada.

The UL Listing Mark for the US and Canada generally includes: the UL in a circle symbol with "C" and
"US" identifiers: the word "LISTED"; a control number (may be alphanumeric) assigned by UL;
and the product category name (product identifier) as indicated in the appropriate UL Directory.

Look for the UL Listing Mark on the product.



William R. Carney, Director, North American Certification Programs
UL LLC



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