PUR SPAS VS300 Balboa Pack Controller System Instructions

Contents

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Product Information

The product is a Balboa VS300 equipment used in hot tubs. This guide provides instructions on how to convert a

120V hot tub to 240V for certified electricians only. It includes important information about the location of the electronic box, changing the DIP switch, removing and connecting cables, and ensuring the correct positions of switches.

It also emphasizes the need for a 40 amp GFCI when operating on 240V and provides instructions for 120V use. Additionally, it mentions the installation of an ozone generator and provides information on wire size and GFCI breaker installation.

Product Usage Instructions

1. Ensure you are a certified electrician before attempting the conversion.
2. Locate the electronic box under the keyboard, behind the side panel.
3. Open the electronic box.
4. Change the DIP Switch: Turn #10 to the OFF position (down).
5. Refer to the user's manual that came with the hot tub for additional information.
6. Check and ensure the switches are in the correct positions (1-10).
7. Remove the white cable from J11 to J32.
8. Connect the necessary cables to the 240V according to the diagram in Annex 1.
9. Close the electric box, seal the Thermofoil, and close the side panel.
10. For 240V operation, use a 40 amp GFCI.
11. For 120V operation, use a dedicated 15 amp hot tub outlet with a GFCI directly into the wire.
12. Open the hot tub and ensure the start-up numbers on the keyboard are 100, 59, 41, 24 to verify it is on 240V.
13. Do not forget to turn off the power before replacing the fuse or damaging the electronic board.
14. If installing an ozone generator, use a 120V one that operates during filter cycles.
15. If using a LX56 4.0hp pump, check if the cord is long enough or use the cord from the original pump.
16. Refer to Annex 1 for the Balboa electrical box diagram and Annex 2 for information on wire size.
17. Contact the service department at **info@purspas.com** for any questions or assistance.

IMPORTANT

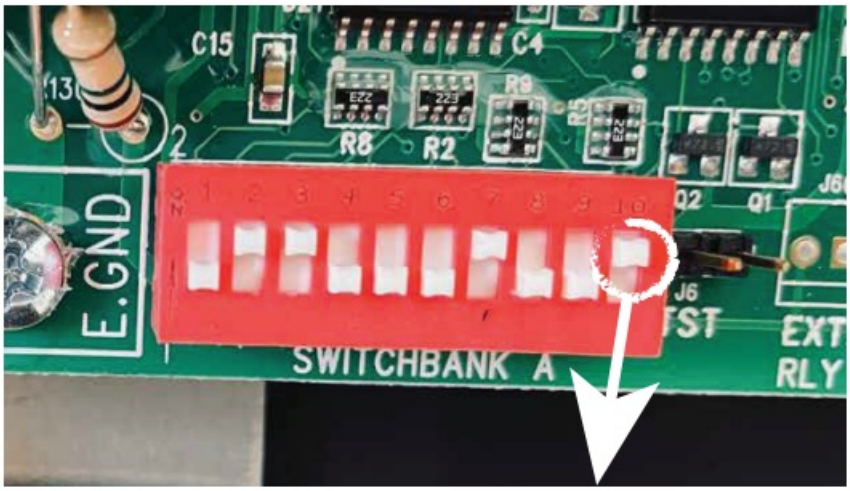
- This guide is intended for certified electricians only.
- It is strongly not recommended to do the conversion if you are not a certified electrician.
  if you are not a certified electrician.

DON'T HESITATE TO READ THE USER'S MANUAL THAT CAME WITH THE HOT TUB. LOTS OF USEFUL INFORMATION IS INCLUDED.

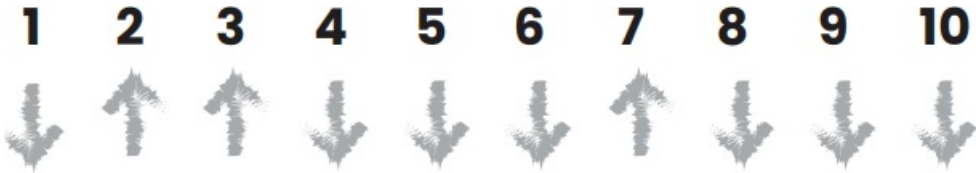
BALBOA VS300 EQUIPMENT

1. The electronic box is located under the keyboard, behind the side panel;
2. Open the electronic box;

3. Change the DIP Switch;
   A Turn #10 to the OFF position (down);



MAKE SURE THE SWITCHES ARE IN THE FOLLOWING POSITIONS:



4. Remove the white cable from J11 to J32;
5. Connect the necessary cables to the 240 V. See diagram in Annex 1
6. Close the electric box, seal the Thermofoil and close the side panel;
7. Open the hot tub. On the keyboard, start up numbers should be 100, 59, 41, 24. If not, the spa is not on 240 V
   IMPORTANT
   You must use a 40 amp GFCI when on 240V.
   For 120V use, a GFCI directly into the wire is provided and must only be plugged into a dedicated 15 amp hot tub outlet.

DON'T FORGET…

- **Remove the white cable that joins J11 to J32**
  Otherwise, there is a risk of burning out the fuse or damaging the electronic board.
- **Do not connect anything in the RED AC zone when on the 240V**
  Otherwise, risk of overheating of the pump.

- **On the DIP switch, set position 10 down**

  Otherwise, the hot tub will continue to heat as if it were on 120V.
- **Install 3 wire stands**

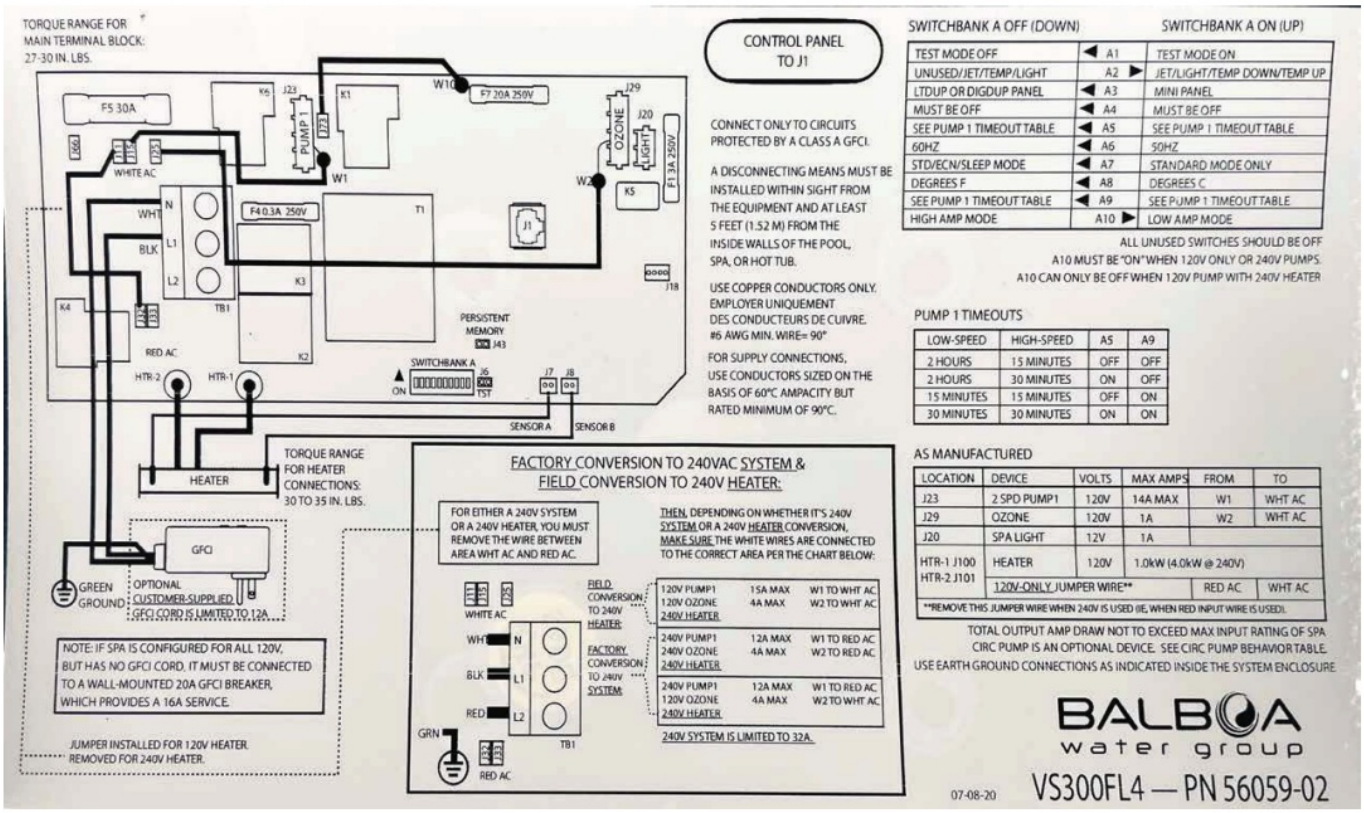
  If the electrician uses 2 wire stands, the spa will continue to operate on 120V.

OZONE GENERATOR INSTALLATION

If you plan to install an ozone generator on the spa, install one that is a 120V. It will only operate during filter cycles. Please not, if you install an LX56 4.0hp pump, the cord on this pump may be too short to reach the spa pack, depending upon the spa model. You may need to remove and use the cord from the original pump.

BALBOA ELECTRICAL BOX DIAGRAM

ANNEX 1



INFORMATION ON WIRE

ANNEX 2

If you plan to operate your spa using a 220V electrical supply, you will be required to install a 220V 40A (minimum) GFCI breaker.
You have to connect your spa to this GFCI breaker and your home electrical panel.

WHICH WIRE TO USE?

1. If the spa is more than 50’ from the wall outlet: a grounded 6 AWG/3 wire
2. If the spa is located within 50’ from the wall outlet: a grounded 8 AWG/3 wire

Don’t forget, we recommend using a certified electrician to install your GFCI breaker and to connect your spa to your house electrical panel. If your spa only runs on a 220V electrical circuit, no conversion is needed for the spa pack. If your spa is convertible from 110V to 220V, you will find instructions to convert the spa pack on the inside of the spa pack cover.

Having any questions? You may contact our service department **info@purspas.com**

Documents / Resources

	**PUR SPAS VS300 Balboa Pack Controller System** [pdf] Instructions 701-G-0039, VS300, VS300 Balboa Pack Controller System, Balboa Pack Controller System, Pack Controller System, Controller System, System