

# CONVERTING A 120V HOT TUB TO 240V: A HOW-TO GUIDE FOR CERTIFIED ELECTRICIANS!

## BALBOA VS300 EQUIPMENT

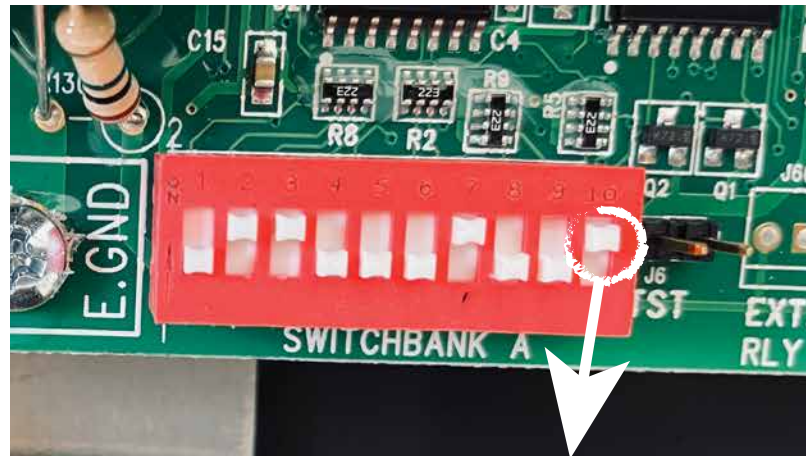
**IMPORTANT**  
This guide is intended for certified electricians only.  
It is strongly not recommended to do the conversion if you are not a certified electrician. to do the conversion if you are not a certified electrician.

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

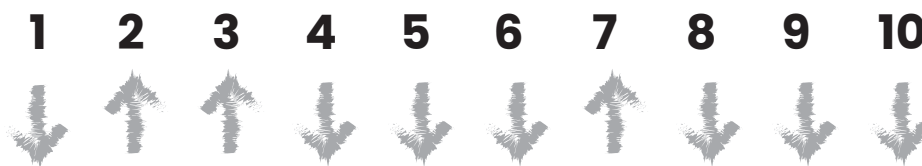
- 1 The **electronic box** is located under the keyboard, **behind the side panel**;
- 2 **Open the electronic box**;



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



### MAKE SURE THE SWITCHES ARE IN THE FOLLOWING POSITIONS:



Having any questions? You may contact our service department [info@purspas.com](mailto:info@purspas.com)

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- 4 Remove the **white cable** from **J11 to J32**;

## 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.

- 5 **Connect the necessary cables** to the 240 V. See diagram in Annex 1 and information on wire in Annex 2;
- 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.**

## 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.

### On the DIP switch, set position 10 down

- Otherwise, the hot tub will continue to heat as if it were on 120V.

### Do not connect anything in the J1 zone when on the 240V

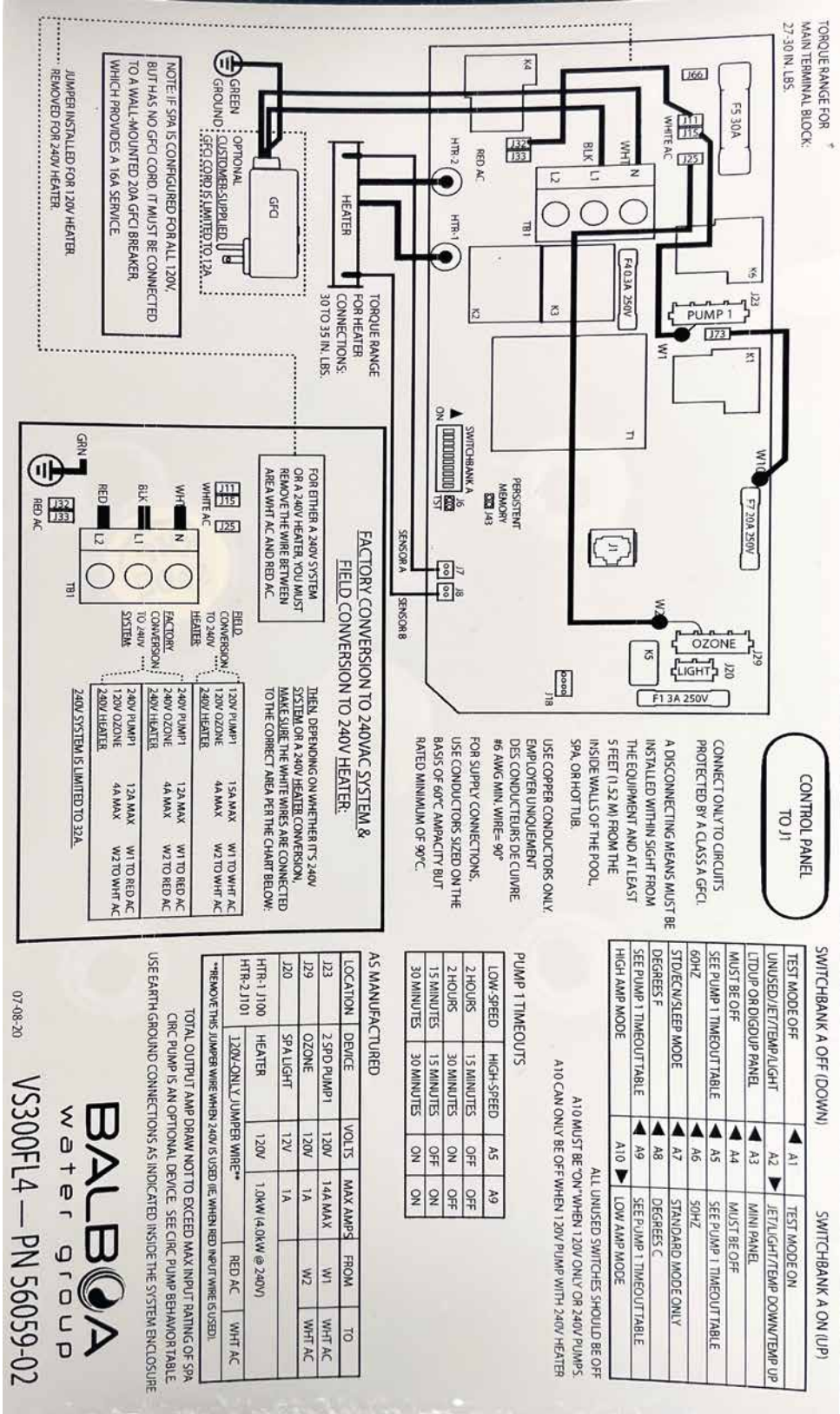
- Otherwise, risk of overheating of the pump.

### Install 3 wire stands

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

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### ANNEX 1



07-08-20

VS300FL4 — PN 56059-02

**BALBOA**  
water group

# 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.**



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