



Aqua Spa and Leisure Limited

### **PRE-INSTALLATION ELECTRICAL REQUIREMENTS**

All electrical work for the installation of Hot Tubs (indoors or outdoors) should be installed by a competent, certified electrician. All works must be certificated conforming to part P of the building Regulations. Electrical installation work should always conform to the latest edition of the Wiring Regulations.

It is highly recommended to read the manufacturers specifications regarding the power supply required for your new hot tub. The warranty on your new hot tub could be void if the manufacturer specifications have not been followed. You can download your hot tub specification from our website or ask us to send it you, then show it to your electrician.

**It is essential that you are able to produce all certificates relating to the electrical installation that has been done in preparation for the hot tub, if requested by our install technicians. If, on the day of installation we are unable to view the certificate and we deem your installation to be unsuitable, we will only be able to complete a delivery and position and would charge for the second visit to complete the install.**

#### **13 AMP Rated Spas**

Most domestic hot tubs are designed for single phase 230V operation.

For permanent installs at your home, it is highly recommended that your 13amp hot tub is hardwired with a local means of shutting off the power such as a rotary isolator switch. Your qualified electrician will need to run a new power supply direct from your consumer unit to an outdoor rotary isolator switch located no less than 2m away from the spa itself and should not be too far away from the hot tub either. The hot tub circuit will need to be protected by a suitable RCD (residual current device). The electrician will also need to leave a tail of cable running from the isolator switch to the centre of the hot tub location and then allow a 4m coil to be left for our installation team to connect your spa to the power supply.

It is also possible to run a 13amp hot tub by plugging it in to a suitable weatherproof outdoor rated RCD protected socket. However, this is only if your hot tubs manufacturers spec sheet says that this is suitable. It is still essential to ensure that your hot tubs has its own supply direct from the consumer unit to the outdoor socket. Plugging a hot tub into an outdoor socket which has been spurred off the downstairs sockets ring can easily lead to dangerously overloading the circuit.

Always follow the advice of a professional, certified electrician if unsure.



### **32 AMP or Higher Rated Spas**

All external electrical cables that are due to be buried must have mechanical protection, in the form of steel wire armoured cable (SWA) or run through a suitable conduit.

Your hot tub must be on its own dedicated radial circuit from the consumer unit with the correct size breaker and RCD protection as per the manufacturer's specifications.

Your electrician will know which type of breaker to use on the distributor board based on the power requirements of the spa and by referring to the manufacturer's specifications.

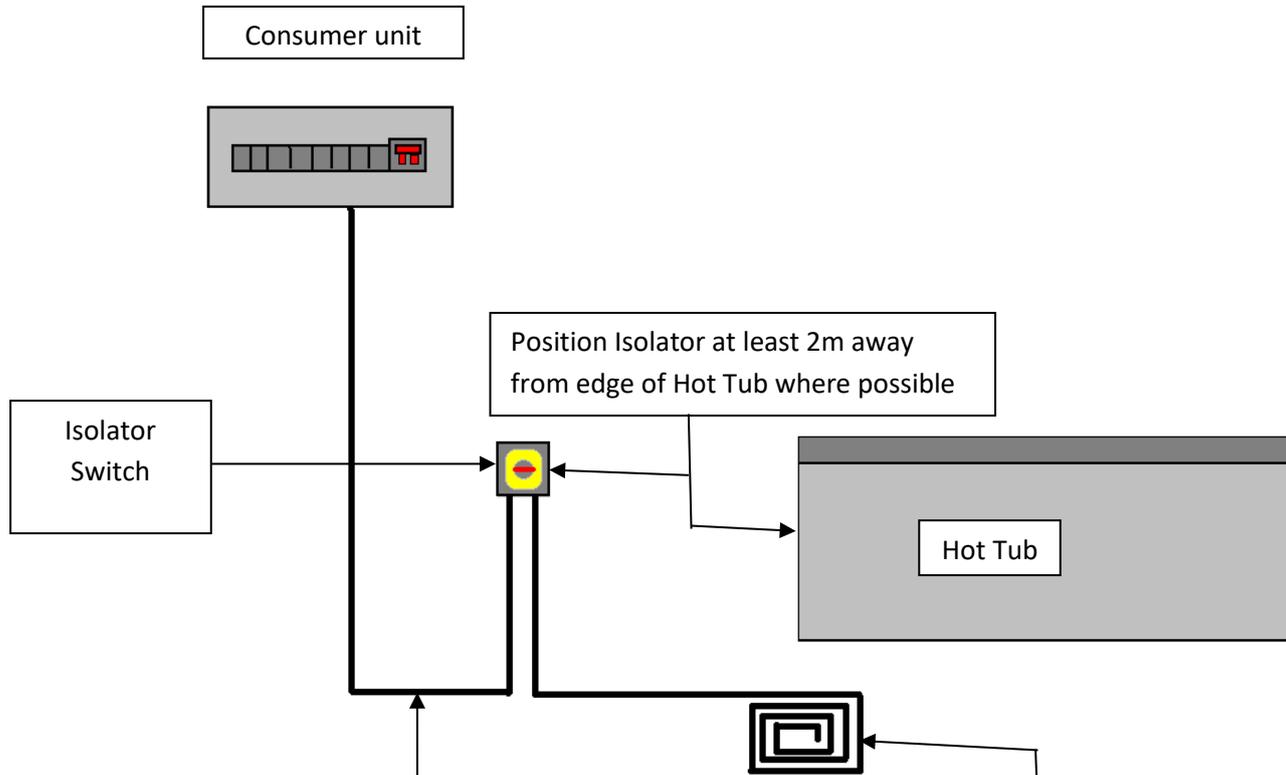
You will need a rotary isolator switch situated no closer than 2 metres away from the hot tub location to ensure it is not in the splash zone, but also not too far away as it should be reachable if ever needed as this allows the hot tub to be disconnected from the main supply quickly and efficiently.

**To ensure we are safely able to connect your hot tub to the power supply we will need your electrician to have identified which wires/wire colours have been used as Neutral, Earth and Live/Line 1.**

**Please ensure you have a tail running from the isolator switch to the centre of the hot tub location and then allow a coil of 4-6 metres of cable to be left immediately next to the Hot Tub base so that we have enough to wire it in whichever final position you choose. Please also ensure that this has been left safe and the circuit left dead prior to our arrival.**

Please refer to the Electrical Wiring Diagram below for further instructions.

## WIRING DIAGRAM FOR 32 AMP SUPPLY



Cable size is determined by the power requirements and length of the run to the Hot Tub. Mechanical protection either SWA or Conduit is required if the cable is to be buried. If not then HO cable would be the preferred choice.

Please leave 4-6m of coiled wire by the side of where the Spa will be positioned. This will allow you to choose the final position of the Spa on the day and not be restricted by the length of cable. Please also identify Live, Neutral and Earth with the correct colours.