

Electrical installation requirements-

Any electrical supply for a hot tub outdoors should be installed by a competent, certified electrician.

All works must be **certificated to part P** of the building regs. Electrical installation work should always conform to **BS:7671** 17th edition of the wiring regulations.

Electrical requirements

Most, if not all domestic hot tubs are designed for single phase 230v ac operation.

We will tell you the total load the Hot Tub will draw at full operation (either 13amp or 32amp) Your certified electrician will then be able to work out what size of cabling is required. Even the smallest Hot Tub would usually require at least a 13-amp independent supply. Bigger Hot Tubs with 3 pumps or more generally require a 32-amp supply but this is a guide only.

ALL outside electrical supplies must have mechanical protection, this is either in the form of steel wire armoured cable (SWA) or suitable conduit.



The Hot Tub **MUST** have its own dedicated circuit with correct size fuse breaker and RCD protection. See tub specifics for further details.

A rotary isolator switch not closer to the Hot Tub than 2 metres is required so that the Hot Tub can be isolated from the main supply quickly and efficiently.

We generally ask for a coil of cable to be left immediately next to the Hot Tub base so that we have enough to wire it in whichever final position the customer chooses.

Palm Spas specific requirements for circuit breakers

Almost all Palm Spas hot tubs require a 32 Amp RCD protected circuit breaker fitted to your consumer unit. From the consumer unit you should have suitable armoured cable or cable protected by a suitable conduit to a suitable waterproof outdoor isolator switch 2 or 3 metres from the tub. Please consult your electrician for cable thicknesses. For 32amp hot tubs we advise on having a 6mm, 3 core armoured cable fitted direct from an isolator switch (please see diagram above)

From the isolator switch there needs to be enough cable left to reach the furthest away corner of hot tub so that our engineer can connect the tub to the electrical supply.

If you have purchased one of our 13amp plug and play rated hot tubs you will still need to supply a dedicated fuse from the electrical supply, this will need to be positioned out of reach when using the hot tub. 13amp plug and play hot tubs require a dedicated ip65 waterproof socket (if outdoors). DON'T run 13amp plug and play hot tubs off of a ring main or extension cable as this will cause issues and will void warranty to the electrical components – **THIS IS VERY IMPORTANT.**

If you have any queries about your installation, these delivery guidelines or items mentioned, please call us to ensure you are ready for delivery.