



**RE: Electrical Work related to Rainwater tanks**

Set out below are some general points relating to electrical work associated with our rainwater tanks. Please note that these points relate to our tanks only - some points will not be compatible with other rainwater tank suppliers:

- We sell two types of tank packages - Concrete tanks that are placed below ground (either 5000 or 10000L capacities) and Poly tanks that are placed above ground (either 5000 or 10000L capacities)

*Points relating to both tanks:*

- A fully submersible pump sits inside the tank. The pump uses 4-core wire which has the following colour codes:

Brown:	Capacitor
Black:	Active
Green/Gold:	Earth
Blue:	Neutral

- A float switch is also located inside the tank for mains water top-up supply. The float switch uses 2-core wire. Please note that if the 3-core wire from the float switch is connected to the meter box, only 2 of these 3
- The control unit is located inside a meter box that is mounted on the dwelling. The control unit requires a dedicated single phase circuit to be wired directly to the unit via the back of the meter box.

*Points relating to Poly tanks:*

- The power leads for both the pump and float switch are to be wired directly from the tank to the control unit - we will normally coil the leads and secure up on the top of the tank for you uncoil and run to the meter box.
- The conduit is normally secured by the use of small stainless self tapping screws - we have to date had no problems using this method.

*Points relating to Concrete tanks:*

- The power leads for the pump and float switch are wired inside the tank via a junction box that we install. Please note that you only need to run the wiring to inside the tank - we will take care of the wiring for the pump and float switch.
- You will need to supply your own power leads to run power from the control unit to the tank. Please allow an extra metre inside the tank - this makes our job wiring up the pump and float switch inside the tank much easier.

Hope this helps. If any of the above requires clarification, please contact us on (02) 4353 5633.