

## Installation Guide for Wright Tanks Ltd ProTec 5 Wastewater Treatment system.

Thank you for choosing the ProTec Wastewater system.

This is a Biological Submerged Aeration growth media system and when installed correctly and looked after mindfully, it will serve you well.

### Installation Heights:

- Installed ground level to base 2.350m
- Diameter tank 2.150m
- Hole size to install 2.450m deep x 2.500diameter square.

Add 100mm of clean/washed sand, screed bedding material perfectly level with no dips or high spots.

Install the tank and check for level and correct install height, adjust if required.

Please note, your riser lids should protrude above ground level, in excess of 25mm, to prevent any potential ground water intrusion under heavy rain conditions.

You may be best to pre-fill the primary with 3000 litres of fresh water to prevent the tank from hydraulic lift, whilst sitting unconnected throughout the build.

Back fill with excavated soil or suitable material if the excavated soil is not suitable, to approximately  $\frac{3}{4}$  level. At this point you will need to connect the transport line, then continue the backfilling procedure. You can lightly compact or let it naturally settle over time and top up as required.

LAA installation should be done as per engineers' design for each job as per instructions/report supplied by client.

Once the electrician has connected the power supply, turn the system on in the electrical box at the tank and ensure it is on at the meter board (up is on) in both applications.

Your system is pre-set and checked ready to go.

Should you experience a red-light situation, alarm or any suspected issues, please call the 0800 253 273 phone number also listed on the face plate of your systems electrical box.

### Power Supply:

1x 2.5mm, 3 core single phase cable wired to the house meter board on a separate 16 or 20-amp flick switch.

(NOT AN RCD)

All the circuit breakers are supplied in the electrical box itself.

Should the system be installed greater than 20 metres from the dwelling, you may need to ask your electrician as they may wish to up spec the cable to 4mm or greater.

### Invert Level:

800mm from ground level to bottom of 100mm invert pipe.

Or 1575mm from bottom of trench to bottom of invert pipe.

Please refer to the operational guide supplied, or visit our website for good operation practice and safe products.