



## **INSTALLATION INSTRUCTIONS** **FOR IWOX 5/5 SEWAGE TREATMENT SYSTEM**

The following instructions/requirements are offered for guidance only  
The contractor is responsible for offloading and installing system and supplying the following:  
However all procedures should be as per Manual. Please read.

1. Hole excavation 2.7mtrs in diameter (see drawings)
2. Hole depth 2.4mtrs
3. Lay and level the base of the excavation
4. Lift the tank into position using slings
5. Ensure correct orientation of the inlet and outlet pipework
6. Ensure dry ground condition, no water in hole
7. Ensure water to be available on site to fill tanks
8. Have semi dry concrete to embed base of tank
9. Make all interconnecting pipe work connections, ensuring a minimum pipe gradient
10. Have inspection chamber at start of inlet and outlet pipes and also vented
11. Ensure tops of tanks are covered when backfilling
12. Have sufficient pea gravel to backfill up around system
13. Normal construction equipment and plant must be available
14. Ensure that all necessary safety precautions are taken to ensure safe working conditions for site personnel
15. No vehicles are allowed to drive over or on manhole covers. They are only for foot traffic. It is essential to prevent damage due to superimposed loads from vehicles or site traffic. Once the system has been installed no vehicular traffic over 250kgs Should come within 2 metres of the system

Electrical Work should be carried out by a Qualified Competent Electrician and all Materials used / installed in an appropriate manner for the environment fitted in. 5 core 2.5 underground cable to be used. Ensure RCD protection switch supplies power, fused with overload protection of 16 amps. If you require the Air compressor failure alarm two wires can be taken from the isolation switch back to the air compressor failure alarm which can be placed beside your fuse board. If the air compressor ever fails a red light will come on.

### **Instructions for filling with water and backfilling**

1. Tanks to be placed in excavation
2. Levels to be taken to ensure system is level in the ground.
3. **Fill black tanks (clarifier cone and contact cone) with water first.**
4. Next 1/3 fill the white tanks with water
5. Next backfill with semi dry concrete
6. Next continue filling white tanks with water and backfill accordingly
7. Please ensure manhole covers are on the tanks at all times, especially when filling with water to ensure no stones, concrete or dirt gets into the system.
8. Please ensure no foreign objects get into the system, please also make the end user aware that no foreign objects what so ever can be flushed or poured into the system i.e. baby wipes, nappies, tampons tea bags, grease, oil etc. The only thing that should be flushed down the system besides effluent is toilet paper.

If the above instructions are followed this will ensure the proper installation of your system. Please note any remedial work required because of foreign objects in the system will be at the owners cost.