



**Environmental
Wastewater
Solutions
(EWwS) Ltd**

Wastewater Treatment 'All-in-one' versatile packaged plant with nutrient removal & water reuse option

EWwS Ltd is a dedicated family business managed by Mr Suru Nathwani, who, with more than 40 years' experience in the design & execution of wastewater treatment technologies including Rotating Biological Contactors (RBC), is a well-known figure in the wastewater industry.

His process knowledge as a chemical engineer coupled with his experience in the wastewater treatment field has resulted in a unique compact plant product which offers both flexibility for specific process requirements with RBC structure designed for life in excess of 30 years, that meets the industry standards and offers a 20-year warranty for its key components: casing, covers, shaft and media.



RBC Unit Packaged Plant

WHAT WE OFFER

- ✓ Primary Settlement Tank
- ✓ RBC – process optimised for consistent performance
- ✓ Final Settlement Tank
- ✓ FST Sludge and Scum Recirculation/Removal
- ✓ Effluent Polishing & Disinfection (optional)
- ✓ Lowest Lifetime Cost
- ✓ Internal Recycle Feature
- ✓ Safe access for maintenance

A fully process commissioned RBC weighs a lot due to the biomass film while it rotates continuously during its lifetime. Our RBC's are designed for such continuous heavy-duty load and their design, manufacture and quality control is the basis for the 20-year warranty and the lowest lifetime O&M costs.

The versatile design offers nutrient (Nitrogen & Phosphorus) reduction in case of neutral discharge requirements in receiving waters or aquifers. A built-in tertiary filter and UV disinfection are optional.

EWwS offer process optimisation for every plant after it has been installed.



2 Units in Northern Spain



Unit serving a P.H. in Norfolk

EWwS Ltd is better known for its larger diameter RBCs for municipal and industrial wastewater treatment plants. EWwS are a technically innovative company and have applied their know how to small packaged plants for commercial applications such as housing complexes, nursing homes, hotels, leisure industry and locations not connected to mains drainage. These packaged plants in GRP are easily transported by truck and can be shipped in an ISO container. The plant can be offloaded on to a concrete slab, backfilled, connected to inlet/outlet drains, wired up and commissioned.



RBC Rotating Media



Packaged Plant Installed



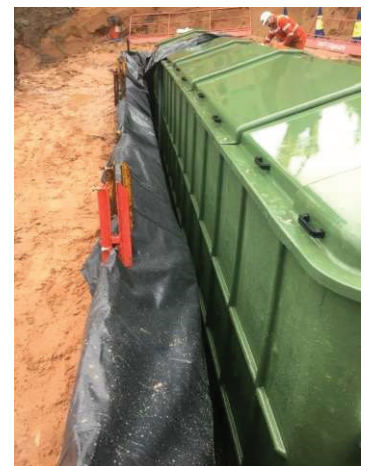
Unit serving a P.H. in Norfolk

The plant includes a robust GRP tank which includes the Primary Settlement Tank, RBC with integrated forward & internal recirculation flow management systems and Final Settlement stage. The RBC is covered with light, lockable GRP sectional covers. Sludge collected in the PST can be removed using a suction tanker lorry. Suitable for a safe one-person operation. The final settlement tank has a sludge return pump system which returns fine sludge to the PST on a timer operation.

The covers are UV resistant – Post cured covers are available as an option to avoid discolouration and fading.

FEATURES OF OUR TANKS

- ✓ Lowest Lifetime Cost
- ✓ Easy Maintenance
- ✓ Stringent Effluents & Nutrient Removal
- ✓ Aesthetic Design



Installation of Unit

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