



Simple and efficient
wastewater treatment

REWATEC[®]

Septic tanks



Marked
to CE
standard
EN 12566-1

Reliable performance you can trust

The Premier Tech range of Rewatec septic tanks are designed to provide primary wastewater treatment, for residential and smaller commercial projects, where a connection to the main sewage system is unavailable.

Proven in the industry with thousands of installs already across the UK, our Rewatec septic tanks offer a reliable and economical solution for the treatment of wastewater. CE marked and fully tested and certified to EN12566-1, these discreet and low-profile tanks are quick to install, simple to use and easy to maintain.

With durable polyethylene (PE) tanks (reinforced and super reinforced) from 3,000 to 10,000 litres, and robust glass reinforced plastic (GRP) options from 14,000 to 250,000 litres available, we can provide a tailor-made solution to completely meet your requirements.

How do Rewatec septic tanks work?

Wastewater from a property flows into a main drainage pipe which then passes into the septic tank. The septic tank's job is simple: it allows wastewater to separate into three layers:

- In the top layer, oils, greases, and fats float to the surface and form scum.
- In the bottom layer, solids settle on the bottom of the tank and form sludge.
- Partially clarified liquids accumulate between the layers of the scum and sludge.

The partially clarified liquids exit the septic tank through a pipe with an integrated effluent filter. This filter – standard in all Rewatec septic tanks – captures suspended solids that could clog system components downstream. Both the scum and sludge are periodically removed by a qualified service professional.

After primary treatment, wastewater can pass into a secondary system for additional treatment (such as an Ecoflo wastewater treatment system, a Rewatec Moving Bed Biofilm Reactor or a Rewatec Sequencing Batch Reactor).



UNIQUE PRE-FILTER

For a superior technical performance, our polyethylene septic tanks have built-in impingement pre-filters which not only prevent suspended solids from entering the external pipework and/or drainage field but also increase the overall lifespan of the system.

APPLICATIONS

- Primary residencies
- Seasonal residences (holiday homes)
- Residential/smaller commercial developments
- Caravan parks and campsites
- Golf courses
- Farms
- Office buildings
- Schools



Benefits of a Rewatec septic tank



EASY INSTALLATION

- Easy to lift/maneuver
- Ideal for sites with limited space and access
- PE range designed for a shallow dig (quick excavation)



INNOVATIVE DESIGN

- Built-in pre filter (PE)
- Compatible with all secondary sewage treatment plants
- Lockable pedestrian access covers



BUILT TO LAST

- Leak-proof
- Robust and weatherproof
- Ribbed sidewalls for additional strength (PE)



SOLUTIONS FOR ALL APPLICATIONS

- Standardised PE or bespoke GRP options
- Concrete or granular surround installation
- Extension shafts for variable invert levels available

ADHERING TO THE 2020 GENERAL BINDING RULES (GBRs)

Under the 2020 GBRs and with the aim of reducing the level of pollution from UK wastewater, properties with septic tanks are no longer permitted to discharge effluent directly to surface water (i.e. to rivers, streams, watercourses etc.) As such, and in order to comply with the 2020 GBRs, Premier Tech recommends that new septic tank users either:

- Install a drainage field (where site conditions allow) to spread the partially treated effluent over a larger surface area into the ground – thus limiting pollution.
- Add an Ecoflo wastewater treatment system to a septic tank to vastly improve the quality of effluent, using no energy.
- Replace your septic tank with a Premier Tech sewage treatment plant.



TRAINING FOR PROFESSIONALS

At Premier Tech we provide a full range of training programmes to fully meet the requirements of our professional partners. If you require functionality guidance on our septic tanks, or a more detailed training course for installations, we can provide a tailored solution to meet your needs.

SEPTIC TANK WARRANTY

For over 50 years, we have proudly developed sustainable and long-lasting products that make a real difference for our customers, our professional partners, and, above all, our planet.

Our experience in the industry means that we can provide you with the following warranty for septic tanks:

- 10 year shell and construction (polyethylene)
- 25 year shell and construction (GRP)

SPECIFICATIONS (PE)

Septic tank	Length (m)	Width (m)	Height (m)	Weight (kg)	Inlet height to base (m)	Outlet height to base (m)	Pipe diameter
3,000 L reinforced (concrete)	2,420	1,450	1,510	126	1,355	1,310	100
3,000 L super reinforced (granular)	2,420	1,450	1,510	135	1,355	1,310	100
4,000 L reinforced (concrete)	2,480	1,650	1,705	157	1,540	1,510	100
4,000 L super reinforced (granular)	2,480	1,650	1,705	169	1,540	1,510	100
5,000 L reinforced (concrete)	2,480	1,850	1,900	161	1,741	1,700	100
5,000 L super reinforced (granular)	2,480	1,850	1,900	173	1,741	1,700	100
6,000 L reinforced (concrete)	2,740	2,050	2,180	232	1,954	1,830	160
6,000 L super reinforced (granular)	2,740	2,050	2,180	249	1,954	1,830	160
8,000 L reinforced (concrete)	3,420	2,050	2,180	304	1,955	1,830	160
8,000 L super reinforced (granular)	3,420	2,050	2,180	326	1,955	1,830	160
10,000 L reinforced (concrete)	4,100	2,050	2,180	371	1,955	1,830	160
10,000 L super reinforced (granular)	4,100	2,050	2,180	399	1,955	1,830	160

*Our GRP Rewatec septic tanks are available from 14,000 litres to 250,000 litres. Contact Premier Tech for more technical information.



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