

Sewage Treatment Plant Details

Clearwater 105 Person Large Sewage Treatment Plant

The Large Sewage Treatment Plant from Clearwater is a robust, high-performance wastewater treatment solution designed for sites with substantial daily sewage volumes. With its innovative system, using a fixed bed of media where natural bacteria grows to breakdown wastewater efficiently, delivering consistent high effluent quality while minimising operational complexity and environmental impact. Ideal for commercial, residential, and industrial developments.

Features

- High-Capacity Treatment Performance
- Advanced Biological Treatment
- Preassembled Control Kiosk
- Easy to Install single piece tank
- Compliant with EN 12255
- Low Operational Noise and Odour
- Easy Access for maintenance
- 2-year Warranty
- Free Site Survey - if required

Applications

- Housing developments and Apartment complexes
- Hotel, Resorts, and Holiday Parks
- Schools, Colleges, and Universities
- Hospitals and Healthcare Facilities
- Commercial and Office developments
- Industrial sites with domestic wastewater
- Rural Communities and Remote locations
- Construction camps and Worker accommodation

How it works

The Clearwater Large Sewage Treatment Plant uses a plug-flow process that combines aerobic, anaerobic, and anoxic treatment within a fixed-bed design to achieve high levels of purification.

Wastewater first enters the Primary Settlement Tank, where solids settle out in two stages before the clarified liquid is transferred onward.

It then flows into the aerated biozone via a controlled airlift, where air diffusers and biomedica support the growth of bacteria that break down organic matter.

Finally, the treated effluent moves into the Final Settlement Tank, where remaining bacteria settle out before the clean, purified effluent is discharged by gravity through the outlet.