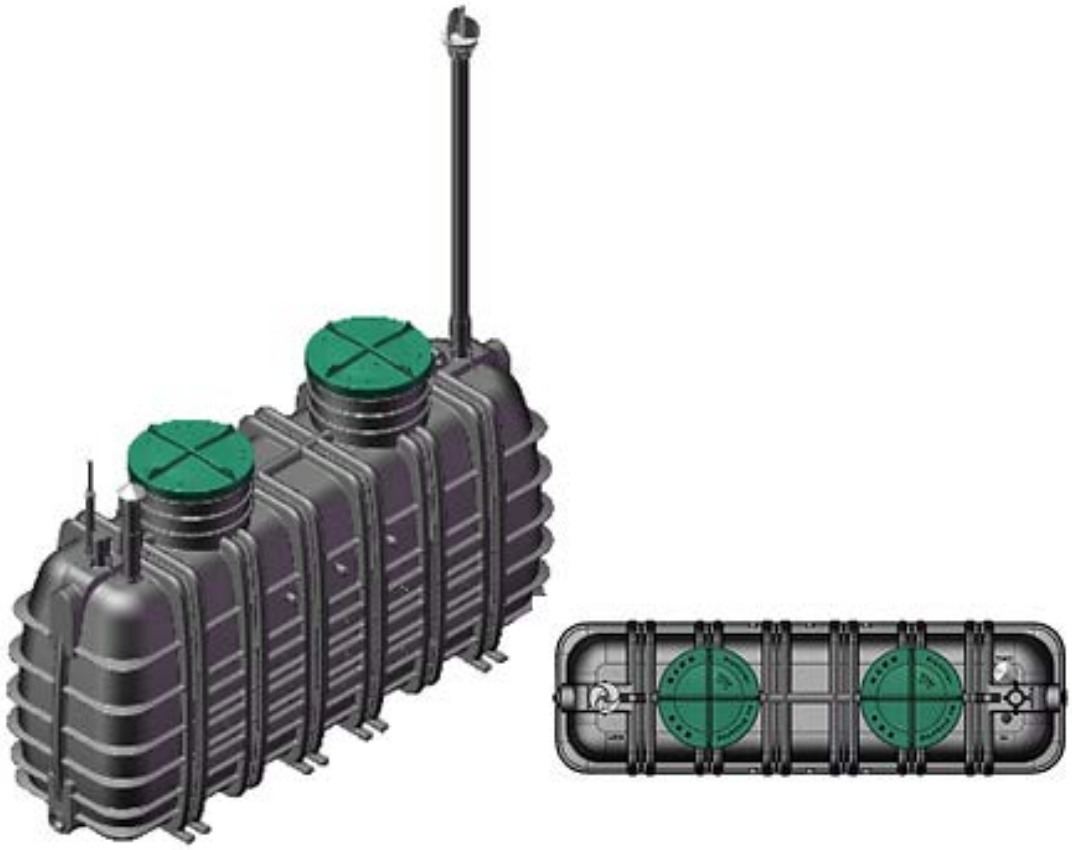


PUROCK-7000 Bio Filter

Non powered maintenance free purification

The PUROCK-7000 non powered maintenance free purification tank features two innovative designs: "nano mesh fiber porous packing" and "unique aerodynamics". While ensuring stable and compliant effluent quality, the treatment process does not require electricity and can be used immediately without the need for professional debugging and maintenance. It truly achieves the "home style" minimalist operation of sewage treatment equipment.

- **Processing water volume: up to 7m³/d**
- **Capacity PE: 40 - 42**
- **Size: 3700 mm x 1200 mm x 2000 mm**
- **Weight: 600 kgs.**

Product Introduction

The design of the non-powered maintenance free purification tank is based on the biofilm method. The raw water first enters the septic tank to separate and decompose suspended solids, oil, and organic solids, and then the sewage enters the purification tank. The purification tank utilizes two major technological innovations: "nano mesh fiber porous packing that integrates various biomass" and "unique aerodynamic design". Without the need for electricity, the tank can simultaneously have two-stage aerobic treatment and three-stage filtration treatment functions, alternately undergoing multi-stage anaerobic, anoxic, and aerobic (A2O) reactions. The purified wastewater meets the discharge standards.

One-time rotational molding, new HDPE material, 14mm thickness, concave convex pressure bearing and anti-freezing design, with a service life of over 30 years.

Product features

- Maintenance free, no need for electricity.
- Natural ventilation, with zero operating cost.
- The filling material has a large specific surface area, which is conducive to maximizing the enrichment of microbial communities.
- Strong resistance to impact loads, stable and compliant effluent.
- No need to add bacterial sludge, fast start-up speed, up to six months without raw water shutdown.
- No odor, no noise, and no impact on the surrounding environment.
- Simple structure, large diameter (110mm).
- 100% new HDPE material, with a thickness of 14mm and a service life of over 30 years.