DRAINAGE AND INTERCEPTOR MAINTENANCE

Andel Sewage Treatment Plants

The modern, compliant replacement for outdated septic tanks



Overview

Untreated sewage poses serious health and pollution risks. The Pro6, Pro12 and Pro24 systems use a reliable three-chamber process to clean domestic wastewater before it reaches watercourses or drainage fields.

Built to treat, engineered to last

Monolithic HDPE construction is seamless, corrosion-resistant and lightweight for quick, safe installation. A three-stage process meets EN 12566-3 requirements: (1) primary sedimentation, where heavier solids settle, (2) an aeration chamber using MBBR technology, where microorganisms break down organic pollutants with fresh air supplied by external air blowers rather than foul air from internal blowers, and (3) secondary clarification producing clear effluent suitable for discharge to watercourses or drainage fields. Low energy demand is typically 0.32 kWh/day, with an automatic control cabinet for worry-free operation.

Benefits at a glance

- Treats sewage to EN 12566-3 effluent standards
- Compact footprint – easy to retrofit or install in new build
- HDPE body resists chemicals, impact and ground pressure
- Seamless tank prevents leaks and groundwater ingress
- External blowers – quieter, cooler and longer life
- Low running costs and automatic operation
- Scalable – larger capacities achievable by linking multiple units
- Optional high-level alarm and remote warning
- 10-year tank warranty
- Fully UKCA / CE marked

Warranty: 10-year tank warranty

Configurations

Pro6	Pro12	Pro24
L 1,200mm × W 1,350mm × H 1,700mm	L 1,520mm × W 1,800mm × H 1,900mm	L 2,300mm × W 1,800mm × H 1,900mm
6 PE; 0.9 m³/d; 2,560 L; area demand 2.6 m²	12 PE; 1.8 m³/d; 4,500 L; area demand 4.9 m²	24 PE; 3.6 m³/d; 11,000 L; 890kg; area demand 12 m²

TECHNICAL INFORMATION

GENERAL

Technology: MBBR (moving bed biofilm reactor), specially designed rings in 2nd chamber

Operation: Automatic, with control cabinet; external air blowers

Energy consumption: 0.32 kWh/d

Material: High-density polyethylene

Extension shaft: NSE 140 – height 350mm

Cover: PKE 140

Effluent standard: EN 12566-3

PRO6

Population equivalent: 6

Performance: 0.9 m³/d

Volume: 2,560 L

Chamber volumes: 1,260 L / 660 L / 640 L

Area demand: 2.6 m²

Tank dimensions: L 1,200mm × W 1,350mm × H 1,700mm incl. cover

Inlet / outlet: Ø160mm

PRO12

Population equivalent: 12

Performance: 1.8 m³/d

Volume: 4,500 L

Chamber volumes: 2,190 L / 1,230 L / 1,080 L

Area demand: 4.9 m²

Tank dimensions: L 1,520mm × W 1,800mm × H 1,900mm incl. cover

Inlet / outlet: Ø160mm

PRO24

Population equivalent: 24

Performance: 3.6 m³/d

Volume: 11,000 L

Chamber volumes: 2 × 2,190 L / 2 × 1,230 L / 2 × 1,080 L

Area demand: 12 m²

Tank dimensions: L 2,300mm × W 1,800mm × H 1,900mm

Weight: 890kg

Installation: Premium 2000 tank, two Pro12 units, S870 wells and control cabinet, with NSE 140 / NSO 600 / NSO 400 extension shafts

Standards & certifications

- EN 12566-3