DRAINAGE AND INTERCEPTOR MAINTENANCE

Andel Premium Septic Tank

The first stage of treating domestic sewage and an integral part of biological wastewater treatment

Overview

The septic tank operates through two treatment stages. The first is preliminary anaerobic treatment within the tank, separating light substances (oil, fat) from heavier materials that settle as sediment. The second stage provides biological treatment through aerobic processes with filtration. Selection of the septic tank and drainage system depends on the number of inhabitants, water-ground conditions and the topography of the area.

Biological treatment

Sewage flows through filters into a distribution well connected to drainage systems laid on washed gravel (16–32mm fraction). A geotextile covering prevents sand infiltration while enabling rainwater filtration and biological-coating development for sewage after-treatment. Contaminant reduction achieves 60% after the first stage and 90% after the second.

Recommended maintenance

- Flush the filtration basket every 12 months
- Extract sediment from the septic tank every 12 months
- Rinse the drain with pressurised water to increase patency and extend its lifespan
- Regular use of biopreparations is recommended

Benefits at a glance

- Highly effective domestic sewage treatment
- High-density polyethylene construction
- Durable and resistant to fluctuations in soil stress
- Impact-resistant, frost-resistant, pH-resistant
- Lightweight for easy assembly and installation, no crane required
- Choice of capacity from 2,000 litres to 5,000 litres
- Tank equipped with basket using replaceable filtration cartridges
- Additional equipment – extension shaft and cover with easy-to-use screw cap

Configurations

Premium Septic Tank 2000	Premium Septic Tank 3000	Premium Septic Tank 4000	Premium Septic Tank 5000
2,000 L – 4 PE	3,000 L – 6 PE	4,000 L – 8 PE	5,000 L – 10 PE

TECHNICAL INFORMATION

SPECIFICATION

Capacity: 2,000–5,000 litres

Population equivalent: 4 PE (2,000 L), 6 PE (3,000 L), 8 PE (4,000 L), 10 PE (5,000 L)

Material: Monolithic polyethylene, no joints or welds

Cover: PKO 600 included; extension shafts and covers with 'twist' screw cap

Filtration: Basket with replaceable filtration cartridges

Inlet / outlet: PVC Ø160mm inlet; PVC Ø110mm or Ø160mm outlet (depends on tank)

Air vent: Extruded PVC Ø110mm

Power: No electric power supply required

PERFORMANCE

Contaminant reduction: 60% after 1st stage; 90% after 2nd stage

ADDITIONAL EQUIPMENT

Extension shaft NSO 600

APPROVALS

Technical approvals: AT/2012-08-0031/A3, AT/2012-08-0032/A4

Standard: BS EN 12566-1+A1:2006

Standards & certifications

- BS EN 12566-1+A1:2006