

OFF-MAINS
WASTEWATER
TREATMENT SYSTEM

REWATEC[®]

Solido Smart SBR system

25
YEAR
WARRANTY



THE FUTURE OF SBR TREATMENT

The Rewatec Solido Smart from Premier Tech is a decentralised wastewater treatment plant and the perfect solution for residential and commercial projects where mains drainage is unavailable.

Serving up to 9 PE and fast becoming the industry's system of choice, Solido Smart SBR is a low-profile solution that treats wastewater with minimal impact on the environment.

Featuring a proven design and low installation costs, this system is available in gravity and integrated pumped-outlet models that are ideal for single dwellings and small communities.

SUPERIOR PERFORMANCE

The highly effective Solido Smart SBR is designed and tested in accordance with EN 12566-3, in compliance with S.R 66:2015.

	Final effluent quality
Biochemical oxygen demand (BOD)	< 10 mg/L
Total suspended solids (TSS)	< 20 mg/L
Ammonia (NH ₃)	< 5 mg/L
Total nitrogen (TN) reduction	83%
Total phosphorus (TP) reduction	68%

Technology capsule

Safely houses the system's compressor to guarantee quiet and efficient performance. Requires only 0.80 kWh/d for 6 PE plants and 1.04 kWh/d for 9 PE plants.

Smart pipe

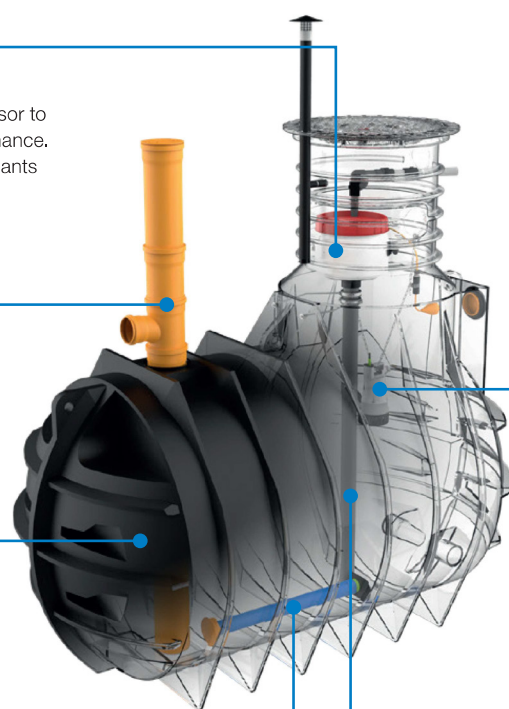
Slows incoming wastewater and simplifies inspections. Makes desludging safe and easy.

Tank

Seamless one-piece tank made from recyclable polyethylene. Comes with a standard 25-year warranty.

Tube diffuser

Immediately supplies incoming wastewater with oxygen to ensure efficient and odourless treatment.



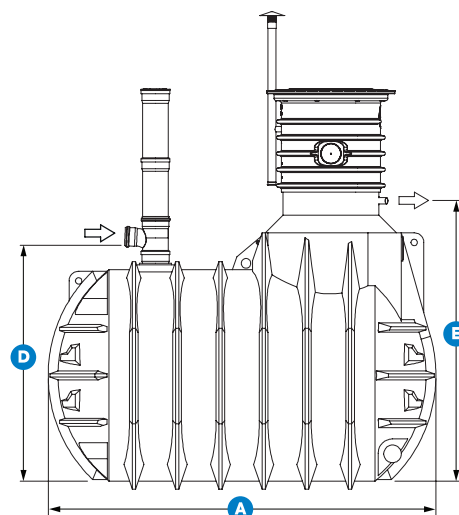
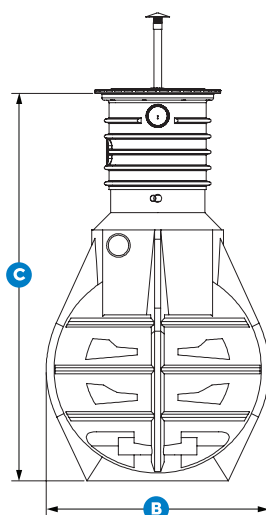
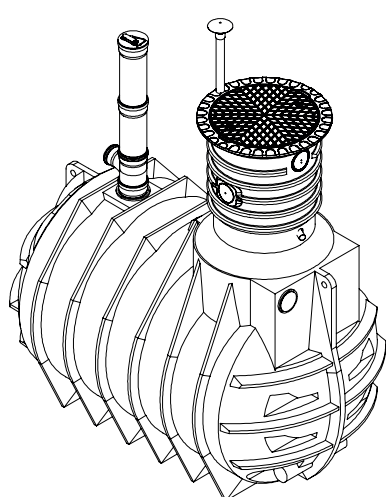
Clearwater pump (Pumped outlet only)

Clearwater air lift (Gravity outlet only)

Prevents sludge loss and ensures high performance thanks to a patented self-flushing feature.

SPECIFICATIONS

	8 PE		10 PE	
Hydraulic capacity	max. 1.2m 3/d		max. 1.5m 3/d	
Discharge	Pumped	Gravity	Pumped	Gravity
Tank volume	3,000 L		4,500 L	
Length A	2.42 m			
Width B	1.42 m		1.79 m	
Height C	2.06 – 2.47 m		2.34 – 2.75 m	
Inlet height from base D	1.47 m		1.74 m	
Outlet height from base E	1.73 m	1.40 m	2.06 m	1.73 m
Pipe diameter	110 mm			
Reference code	KEBL3016	KEBL3000	KEBL4516	KEBL4500



TECHNICAL SPECIFICATIONS (REWATEC SOLIDO SMART XL)

PE	Chamber	Outlet	Length (mm)	Width (mm)	Height min-max (mm)
12	Single	Gravity/pump	2,420	2,010	2,910-3,340*
18	Single	Gravity/pump	2,770	2,310	2,910-3,340*
25	Single	Gravity/pump	3,400	2,310	2,910-3,340*
40	2 x single	Gravity/pump	2 x 2,770	2,310	2,910-3,340*
50	2 x single	Gravity/pump	2 x 3,400	2,310	2,910-3,340*
75	3 x single	Gravity/pump	3 x 3,400	2,310	2,910-3,340*
100	4 x single	Gravity/pump	4 x 3,400	2,310	2,910-3,340*

*Minimum height is as standard, maximum height corresponds to the maximum manway extension

For further technical information on our Rewatec SBR GRP systems, please contact Premier Tech.

ADVANCED TECHNICAL QUALITIES

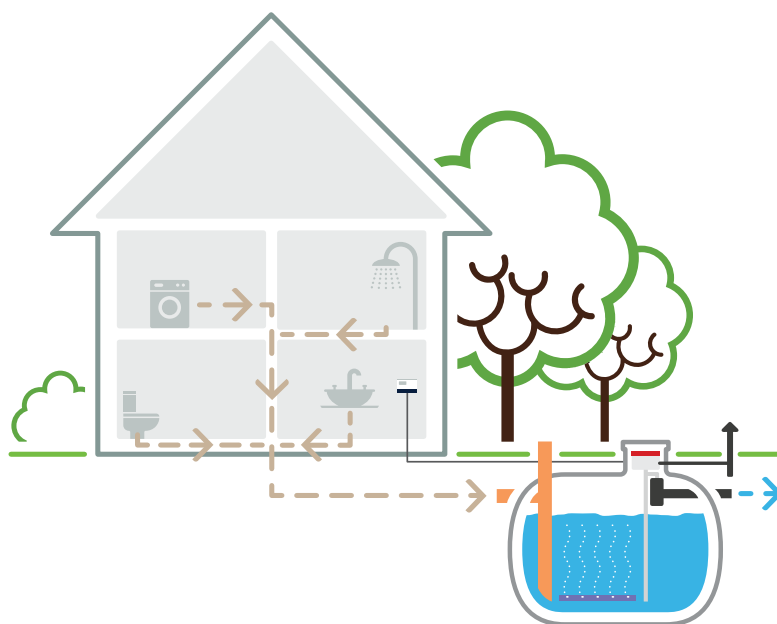
Solido Smart SBR makes decentralised wastewater treatment easier and more efficient than ever. Trust its high-quality design and durable components to provide long-term performance and peace of mind.

- Low operational and maintenance costs, offering long-term savings.
- Discreet and silent.
- Lightweight tank with minimal excavation depth and installation costs.
- Durable, recyclable, and impact-resistant polyethylene tank.
- Fully CE marked. Designed and tested in accordance with EN 12566-3.

HOW IT WORKS



Solido Smart SBR combines the benefits of an ultra-compact solution with the trusted performance of sequencing batch reactor technology. No primary treatment is needed. Instead, this system uses efficient aeration cycles to break down wastewater solids and provide oxygen to microorganisms that feed on organic pollutants. The process is simple, odourless, and effective – now and for the future.



INSTALLATION

Solido Smart SBR requires a relatively low cost and easy installation process. The super-reinforced tank can be fully installed in free-flowing granular backfill and requires no concrete.

WARRANTY

All Premier Tech polyethylene tanks come with a standard 10-year warranty. Individual product and part warranties are available upon request.

Premier Tech works closely with a nationwide network of installation professionals. We proudly provide these partners with installation guidelines for each of our products.



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