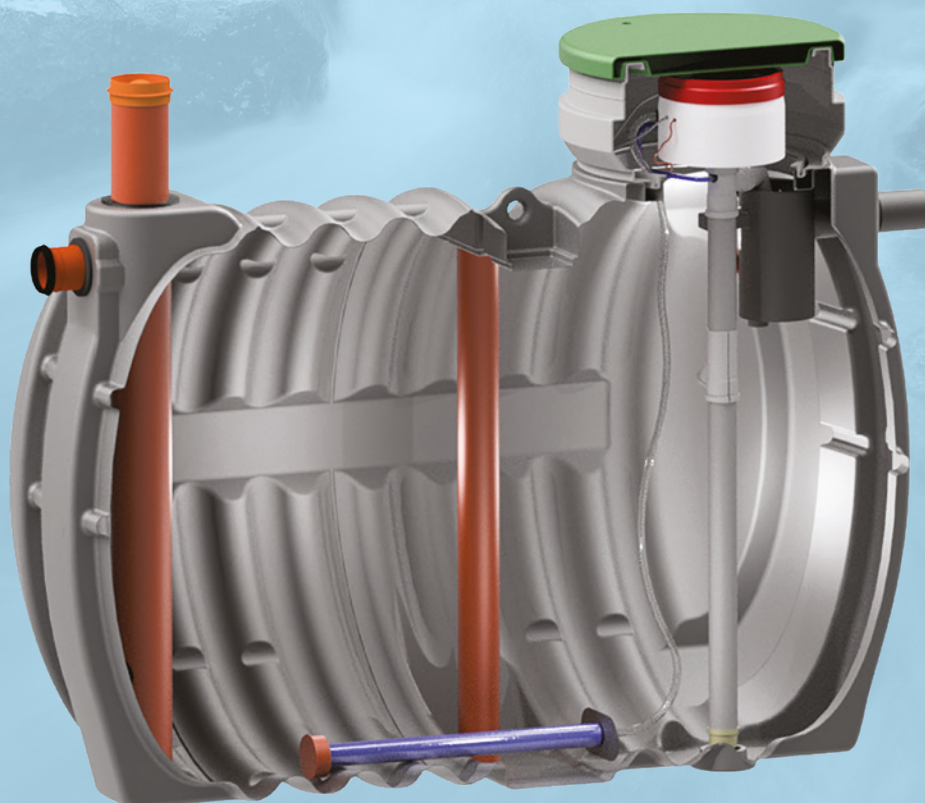


The new generation  
of decentralised  
wastewater treatment

# REWATEC<sup>®</sup>

Solido Smart SBR system



# 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.

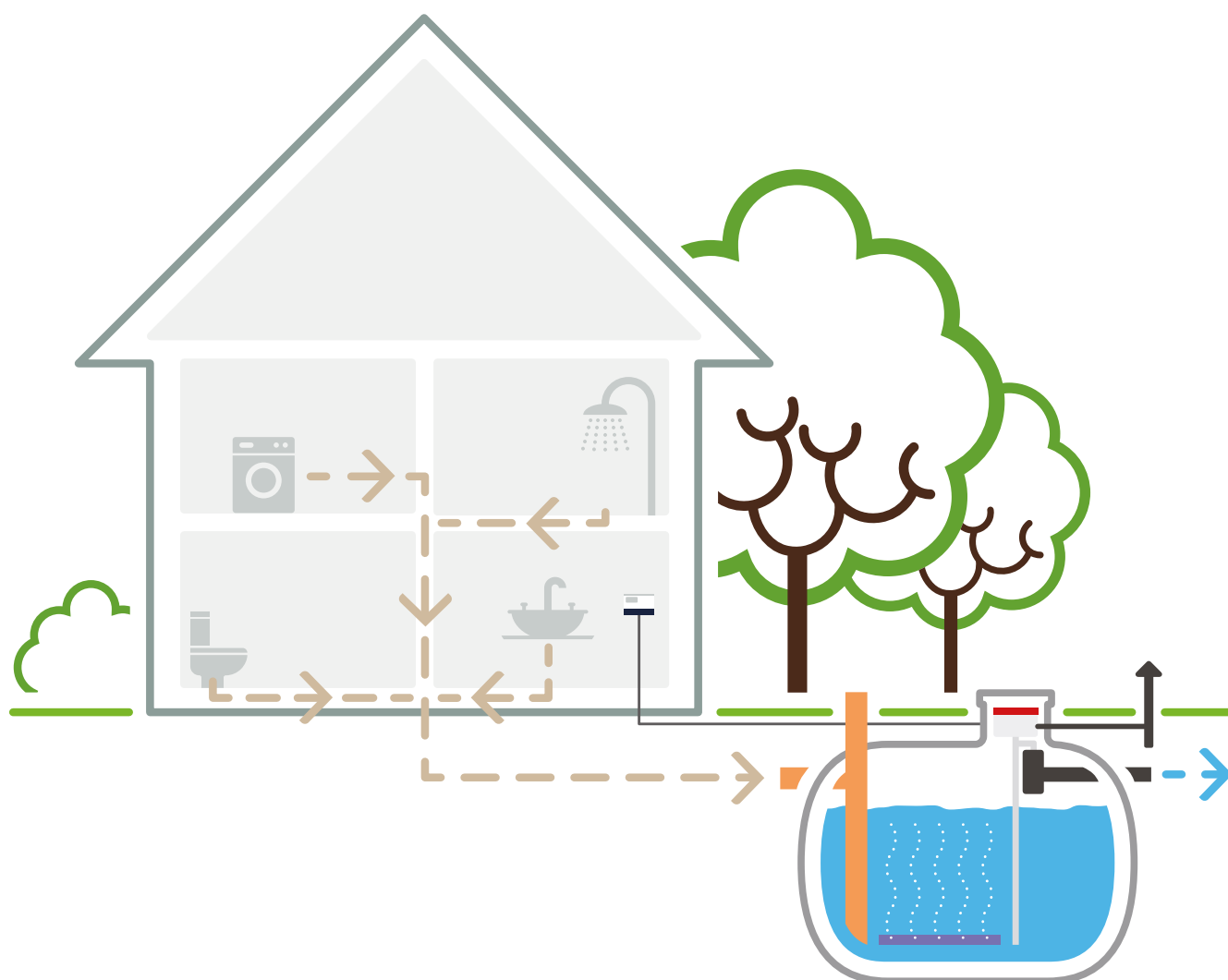
Serving up to 10 PE and fast becoming the industry's system of choice, Solido Smart SBR is a low-profile solution that treats wastewater with minimal impact on the environment.

Featuring a proven design and low installation costs, this system is available in either gravity or integrated pumped-outlet (illustrated) 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
<b>Biochemical oxygen demand (BOD)</b>	< 10 mg/L
<b>Total suspended solids (TSS)</b>	< 20 mg/L
<b>Ammonia (NH<sub>3</sub>)</b>	< 5 mg/L
<b>Total nitrogen (TN) reduction</b>	83%
<b>Total phosphorus (TP) reduction</b>	68%



## 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.

### Technology capsule

Safely houses the system's compressor to guarantee quiet and efficient performance. Requires 0.81 kWh/d for up to 10 PE.

### 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 10-year warranty.

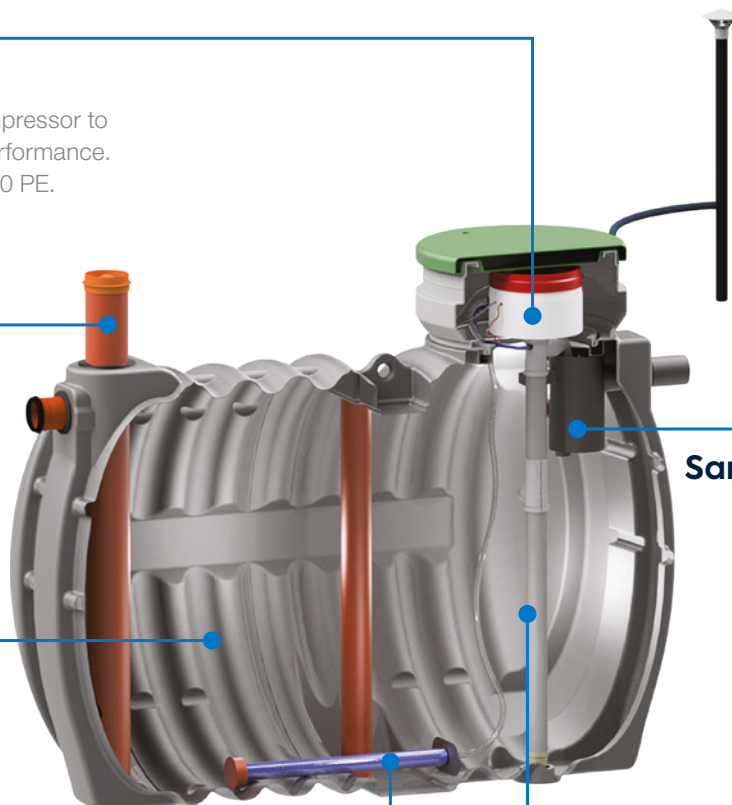
### Tube diffuser

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

### Sampling chamber (Gravity outlet only)

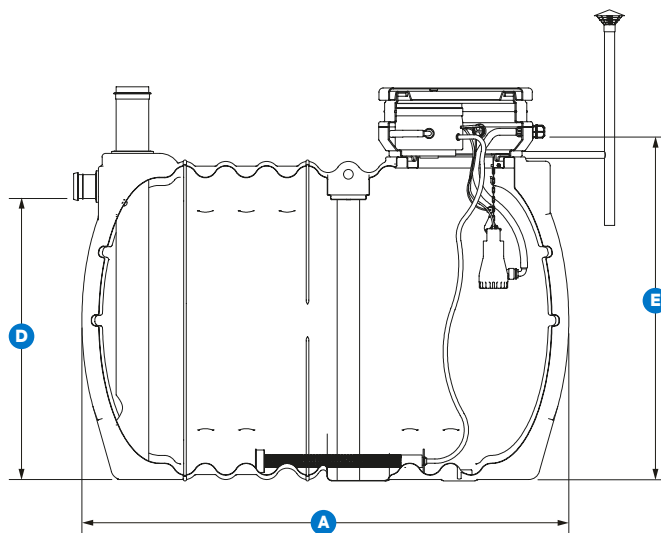
### Clearwater air lift (Gravity outlet only)

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

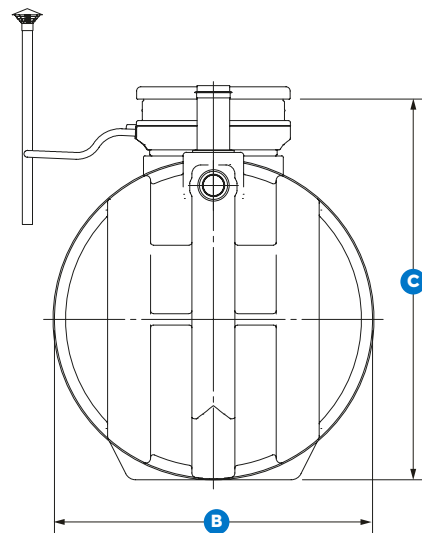


## SPECIFICATIONS

		Up to 8 PE	Up to 10 PE
Hydraulic capacity		Up to 1.2 m <sup>3</sup> /d	Up to 1.5 m <sup>3</sup> /d
Tank volume		3 m <sup>3</sup>	4 m <sup>3</sup>
Length	A	2.42 m	2.47 m
Width	B	1.47 m	1.66 m
Height	C	1.83 m	2.23 m
Inlet height from base	D	1.34 m	1.48 m
Outlet height from base	E	1.32 m	1.43 m
Pipe diameter		100 mm	
Access diameter		600 mm	
Weight		150 kg	185 kg



Model with integrated pumped outlet shown.



## 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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