



Key Product Features

Wastewater Treatment

SOLIDO XL – The Natural Solution



The SOLIDO XL.

Key selling points

WHAT IS IT DESIGNED FOR:

- ✓ Pubs
- ✓ Restaurants
- ✓ Hotels
- ✓ Golf clubs
- ✓ Nursing homes
- ✓ Housing estates



Why is it so suited?

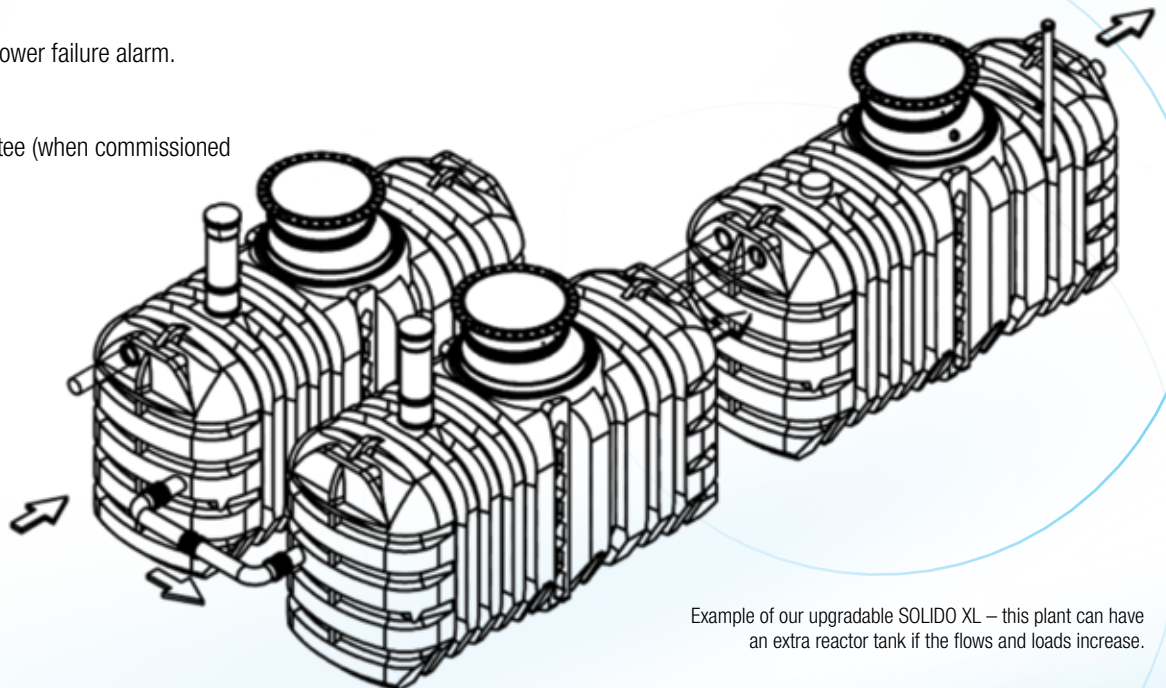
Because it is a modular SBR system, which is better able to cope with the high peaks and troughs of flow from a commercial building, using lower power in the process.

Key features:

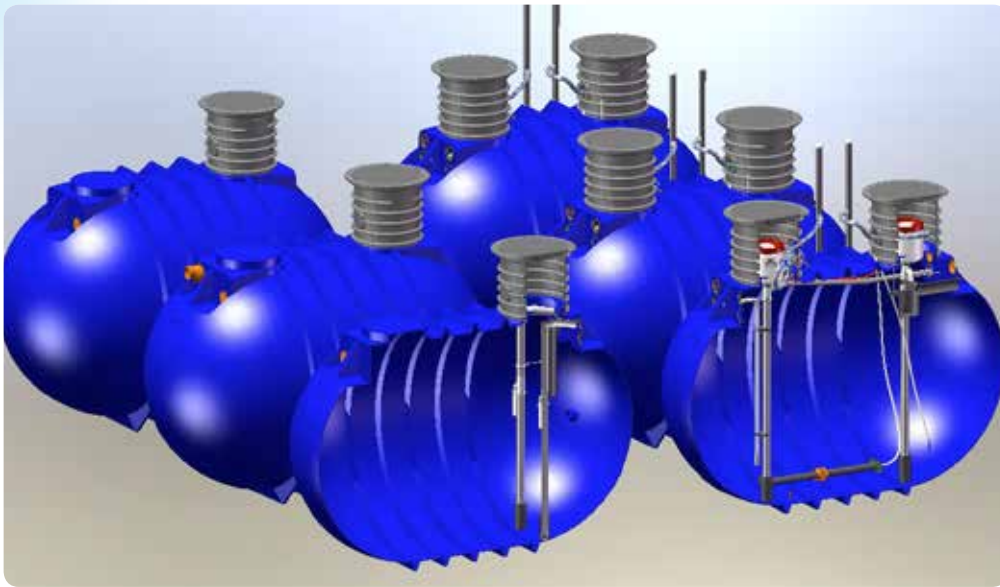
- **Low power consumption** – 50 kWh per PE per year that's £300-£600 a year for the average pub (50-100PE) @ 12 p/kWh.
- **Future proof** (modular design is upgradable if your business expands).
- **Programmable** (increase or decrease aeration to suit specific site)
- **Drivable** options available (up to 11.5 t axle weight with appropriate covers).
- **Discrete design** (no large dome lids).
- **Longer component lifespan** Compressors housed in capsules for lower noise and longer lifespan (increased reliability because of less temperature fluctuations).
- **Safety in numbers** – each reactor contains two of everything. Therefore any failure of a component won't stop the system running.
- **No concrete** needed to install.
- **Cost effective**
- **Built in** compressor and power failure alarm.
- **25 year** tank guarantee.
- **3 year** component guarantee (when commissioned by a Rewatec partner).

The SOLIDO XL system brings unrivalled flexibility to the Sewage treatment market. Most systems are based on a domestic population equivalent (PE) waste water from a pub, or restaurant is not the same as a house. Its organic loading is often much higher, and the flow has more peaks and troughs. At Rewatec, our engineers design wastewater systems specifically to suit the different flows and organic loadings that are experienced in commercial buildings.

It's future proof. Congratulations, your business is growing! So, what about the sewage plant? Can it cope with the increased demand placed on it because of your success? Maybe, but should it not, you will not need to replace it like most other treatment plants. The modular design allows for expansion by bolting on more tanks. Many systems are being removed to be replaced by bigger systems. This is a huge capital waste. With the SOLIDO, you won't be in that position in 10 years time.



Example of our upgradable SOLIDO XL – this plant can have an extra reactor tank if the flows and loads increase.



Energy Efficient

As the compressor is near to where the air is needed, less power is used! In fact, our system is rated at 65 kWh per day, based on a family of 4 (half of most systems on the market). Also, being adjustable, it can be set to however many people are in your property, keeping energy consumption to the minimum it needs to be.

Cost Effective

The Solido only needs to oxygenate the water when a batch comes into the reactor chamber, this is an incredibly efficient process costing £8-£10 per person per year in electricity.

Innovative Technology

Using batch processing the compressor isn't running constantly when it isn't needed, as with other systems. This means it is more economical, prolonging the life of all component parts.

Reliable

The Solido uses the same compressor as used in hospitals (selected for its reliability).

By housing it in a sealed, waterproof capsule in the shaft, it is always at a stable and optimum temperature (most compressors are broken by temperature fluctuations). The compressor is fed by a fresh air intake hose, ensuring its lifespan.

Saving in Time & Money

Our 8mm thick, ribbed polyethylene tank is so structurally sound, it never needs concrete to install, whatever the ground conditions are! **Why pay for a concrete base and concrete backfill when you can invest in quality!**



WHY GO ANYWHERE ELSE? REWATEC® OFFERS:

- Products designed for a lifetime
- Highest quality, more reliable products
- Latest technology, driving standards up
- Reliable equipment backed by guarantees
- Reliable, qualified installation partners
- Pre and post sales support
- EN12566-3 Type tested
- EA/EPP2 certified



Technical Details

Data sheet (Standard scope of delivery with VS 60)

Treatment plant	Max Population	Tank	Dimensions (L x W x H)	Standard invert (from ground to inlet)	Order number
SOLIDO BlueLine 7575	32	2 x 7600L	2 x (277 x 231 x 288) cm	60 - 83 cm	KBMS7575U
SOLIDO BlueLine 9090	40	2 x 10000L	2 x (340 x 231 x 288) cm	60 - 83 cm	KBMS9090U
SOLIDO BlueLine 7777	64	4 x 7600L	4 x (277 x 231 x 288) cm	60 - 83 cm	KBMS7777U
SOLIDO BlueLine 9999	80	4 x 10000L	4 x (340 x 231 x 288) cm	60 - 83 cm	KBMS9999U
SOLIDO BlueLine 6X99	120	6 x 10000L	6 x (340 x 231 x 288) cm	60 - 83 cm	KBMS6X99U
SOLIDO BlueLine 8X99	160	8 x 10000L	8 x (340 x 231 x 288) cm	60 - 83 cm	KBMS8X99U
SOLIDO BlueLine 10X99	200	10 x 10000L	10 x (340 x 231 x 288) cm	60 - 83 cm	KBMS10X99U
SOLIDO BlueLine 12X99	240	12 x 10000L	12 x (340 x 231 x 288) cm	60 - 83 cm	KBMS12X99U

Please also view our smaller domestic solutions:

Treatment plant	Max Population	Tank	Dimensions (L x W x H)	Standard invert (from ground to inlet)	Order number
SOLIDO 3512	6 PE	1 x 3500L	240 x 124 x 220 cm	660-800mm	KBMS3512
SOLIDO 4512	8PE	1 x 4500L	307 x 122 x 220 cm	660-800mm	KBMS4512
SOLIDO 6012	10PE	1 x 6000L	340 x 122 x 249 cm	690-830mm	KBMS6012
SOLIDO 3535	12PE	2 x 3500L	2 x (240 x 122 x 215 cm)	660-800mm	KBMS3535
SOLIDO 4545	16PE	2 x 4500L	2 x (307 x 122 x 220 cm)	660-800mm	KBMS4545
SOLIDO 6060	20PE	2 x 6000L	2 x (340 x 122 x 249 cm)	690-830mm	KBMS6060
SOLIDO 4445	24PE	3 x 4500L	3 x (307 x 122 x 220 cm)	660-800mm	KBMS4445
SOLIDO 6660	30PE	3 x 6000L	3 x (340 x 122 x 249 cm)	690-830mm	KBMS6660
SOLIDO 6666	40PE	4 x 6000L	4 x (340 x 122 x 249 cm)	690-830mm	KBMS6666



Full EN 12556-3 Certification.

Suitable and accepted by the EA for exception from consent to discharge under the new EPP2 scheme. (Where applicable).

The EN Certificate is a great place to compare the independently tested power consumption of a treatment plant!

For all enquiries contact us at:

Email enquiries@rewatec.co.uk

or alternatively **Call** 01844 238702 / 238111

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PIA Institute for Restorative Technology			
PERFORMANCE RESULTS			
REWATEC GmbH Bei der neuen Münze 11, 22145 Hamburg Germany			
EN 12556-3:2005+A1:2009 "Small wastewater treatment systems for up to 50 P1"			
Small wastewater treatment system SOLIDO® Sequencing Batch Reactor			
Nominal organic daily load	0.25	kg/d	
Nominal hydraulic daily load	0.75	m³/d	
Material	polyethylene		
Water-tightness (water test)	pass		
Crushing resistance (oil test)	pass		
Durability	pass		
Treatment efficiency (nominal requirement)		Efficiency	Effluent
		COD	34.3 %
		BOD ₅	37 mg/l
		TSS	18.1 %
		NH ₄ -N	14 mg/l
		TP	34.2 %
		TKN	2 mg/l
Electrical consumption	0.55	kWh/m³	
Performance tested by: PIA - Prüfinstitut für Abwassertechnik GmbH (ITA GmbH) Hergemüster Weg 20 D-52074 Aachen			
Certified according to DIN EN ISO 9001:2008			
Notified body number: 1739			
The document remains valid for the duration of the validity of the certificate.			
Einer-Labs May 2011			