

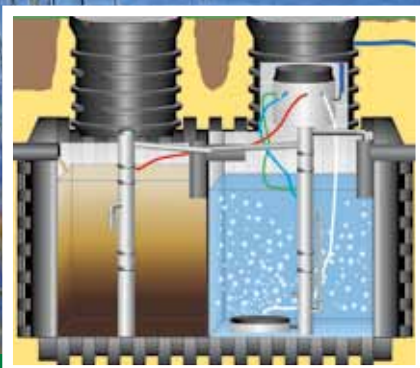
# SOLIDO®

An Innovation in Waste  
Water Treatment!

## The Sewage Treatment Plant Of Tomorrow... Today

**Good for the Environment, better for you!**

- Intelligent and Eco Friendly Waste Water Treatment
- Low Energy Consumption—No Constantly running blower
- Low installation cost—No Concrete required—Ever!



EN12566-3 Tested  
EPP2 Accepted



We clear it for you.  
Completely.

# THE MONOLITH TANK: Fast, Simple installation

## Simple, Effective, but highly engineered!

Our MONOLITH tank, unlike most others, never needs concrete to install. The 8mm thick ribbed wall means it will even sit in its own height of water with no concrete!

The Solido is designed to treat waste from a domestic house or houses (up to 16 population) meeting and exceeding British Water standards.

It uses the more sophisticated yet simple sequence batch reactor approach. An SBR doesn't need to be constantly running, most of the work is done by the bacteria so there is much less power consumption.

## Tank installation – without the hassle!

The success of the MONOLITH tank lies in its shape and design. The rectangular shape reduces the volume of excavated earth and the ribbed structure removes the need for concrete all together! Even in high water tables! There is no need to anchor it down, or build a concrete base and you don't have to suspend it whilst you organise the installation like most cone shaped tanks.

### Characteristics of the MONOLITH Tank

- 25 year guarantee
- Rectangular shape to make installation easy
- Up to 1.95m earth cover achievable! (To EN12566-3)
- No Concrete base or backfill needed!
- Suitable for high water tables and difficult ground conditions, still with no concrete!

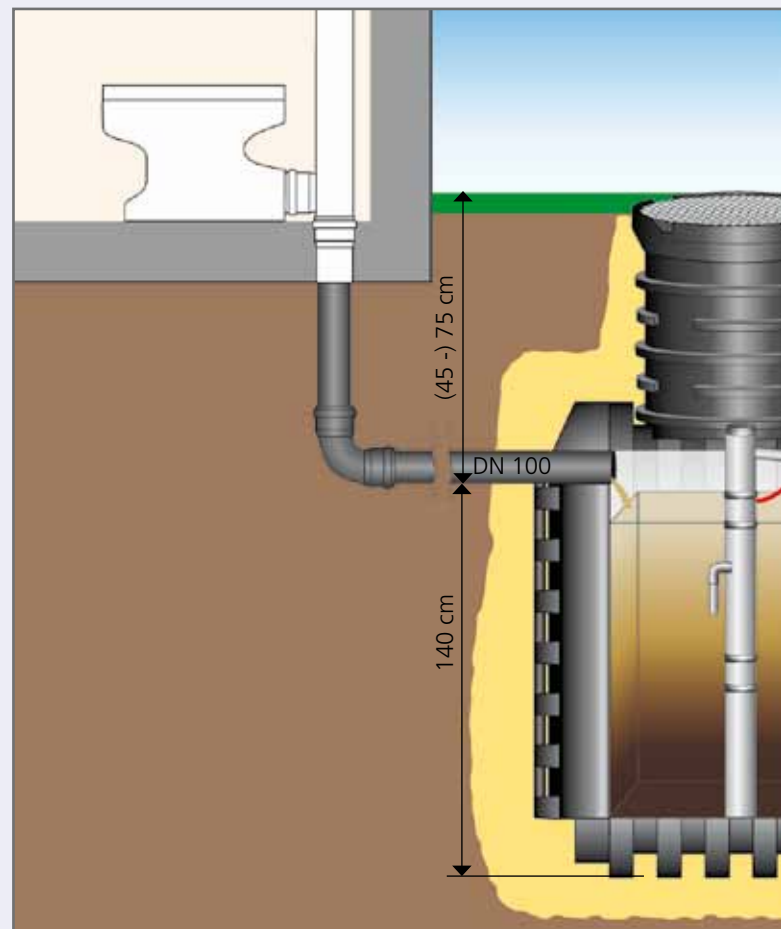
## Compare the Monolith to a cylindrical tank:

- Light and Compact design
- Installation in high ground water and in heavy vehicle access areas
- Cylindrical tanks require 50% more excavation!
- For example – a 5000L cylindrical tank requires 30t of additional excavation!

**50 % less excavation!**  
(= approx. 30t)



British Water Listed



# The Solido The domestic treatment plant of tomorrow

## The Technology: How it works

The Solido sewage treatment plant draws upon the advantages of normal aeration systems but with the benefits of a sequence batch reactor! This means it is simple and trouble free, without the need to run constantly. It is much more economic, prolonging the life of all the component parts.

SBR technology is widely seen as the most effective method of sewage treatment.

The batch reaction process ensures consistent standards are met, even at times of high usage.

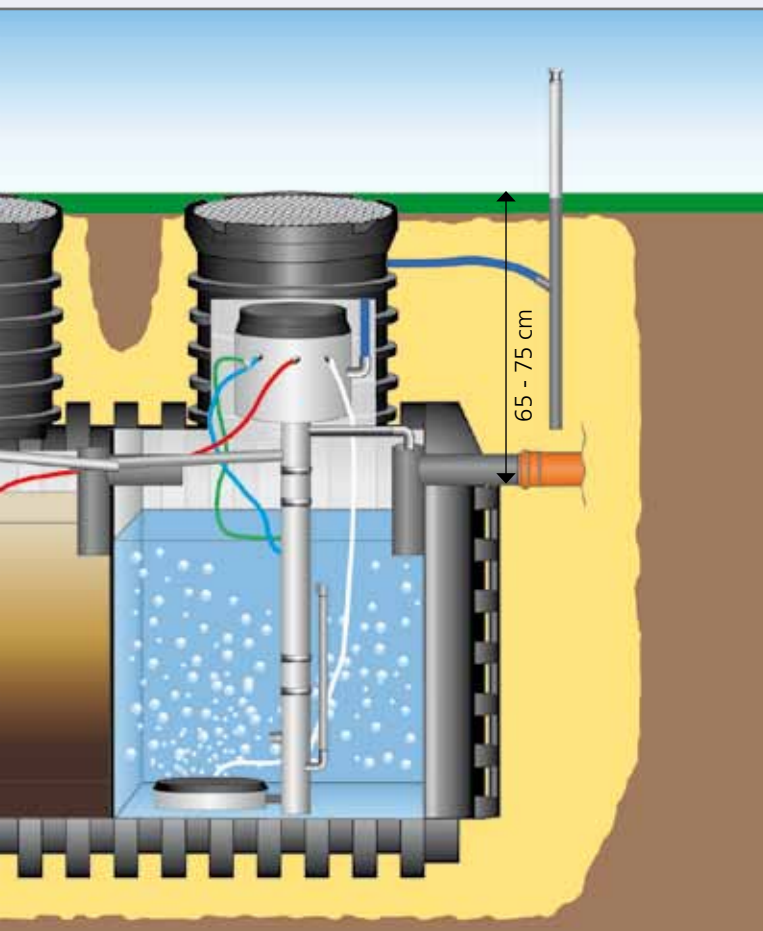


## Reliable, Cost effective results

The use of the highest quality components ensures reliability. We use a very reliable compressor and industrial grade solenoid valves. The control panel is simple, but high quality giving you piece of mind and ensures that your sewage treatment plant will run, with little maintenance, low power, and extreme reliability.

## Eco mode:

Your Solido system can be fitted with a simple float switch that will recognise when you are away and reduce power further to ensure your system is as low cost to run as possible!



## The Solido Capsule.

Unlike most systems, we build the compressor into a capsule in the neck of the tank.

There is no external housing and the sound proofing means it is practically undetectable to the ear. You will hardly know you have a sewage system!



## Your Assurances:

- Tested to BS EN12566-3
- Recognised by British Water
- Approved for EA/EPP2 exemption
- Safe and Easy to install
- Low power consumption
- High treatment efficiency
- Very low noise
- Low impact on your garden!

## Thoughtful design

The Solido sewage system takes all the downsides relating to off mains sewage, and makes them better!

- The tank is quick and extremely easy to install with no concrete necessary!
- Components are built in! Simply mount the Solido capsule in the shaft and plug it in.
- The system has an extremely compact controller
- All this saves work and time during installation, reducing your overall cost.

**Simple is better**



## The Sewage Treatment Plant Of Tomorrow.

### **Solido complete sewage systems for 2-16 population.**

The Solido is a breakthrough in sewage treatment in the UK, Offering the unrivalled processing of an SBR system, but with the simplicity of an aeration system. The ability to not need constant power and the option of an automatic holiday mode makes this treatment plant the first choice for domestic sewage treatment. The Rectangular tank, not needing concrete will also reduce the installation time and cost, yet another good reason to choose the Solido.

Plant type	Population	Tank	Order number
SOLIDO 30 (with LA-45B compressor)	2 - 5 PE	1 x 3000L	KBMS3011
SOLIDO 35 (with LA-45B compressor)	3 - 6 PE	1 x 3500L	KBMS3511
SOLIDO 50 (with LA-80B compressor)	4 - 8 PE	1 x 5000L	KBMS5011
SOLIDO 30/30 (with LA-80B compressor)	6 - 10 PE	2 x 3000L	KBMS3030
SOLIDO 35/35 (with LA-120B compressor*)	8 - 12 PE	2 x 3500L	KBMS3535N
SOLIDO 50/50 (with LA-120B compressor*)	8 - 16 PE	2 x 5000L	KBMS5050N

Population is based upon a Royal Commissioning standard for final effluent quality of 20mg/l bod5, 30mg/l SS and 20mg/l NHN - 4 - Our systems will naturally undercut these values. Please call us if you need to meet stricter standards so we can guide you.

\*LA-120B compressor has to be installed in the external kiosk, which will be delivered with the sewage treatment plant.

### **Want a large sludge storage capacity? No Problem:**

Our 'Plus concept' systems with their large sludge storage capacity give a longer interval between sludge disposals! Typically 50% longer between sludge disposal!

Plant type	Population	Tank	Order number
SOLIDO 30/15	3 - 6 PE	1 x 3000L 1 x 1500L	KBMS3015
SOLIDO 35/20	4 - 8 PE	1 x 3500L 1 x 2000L	KBMS3520
SOLIDO 50/30	6 - 10 PE	1 x 5000L 1 x 3000L	KBMS5030

### **Accessories Dimensions**

Product	Order number
30m Cable length for Solido	KBMS6030
Kiosk (for controller)	KBMS6100
Kiosk (to house LA45 compressor externally)	KBMS6145
Kiosk (to house LA80 compressor externally)	KBMS6180
Eco Sensor: for automatic holiday detection	KBMS6200

### **Dimensions**

Tank	1500L	2000L	3000L	3500L	5000L
Length	128cm	160cm	208cm	240cm	320cm
Weight	120kg	140kg	200kg	220kg	280kg

#### **Generic to all tanks:**

Width 120cm Height 160cm (205-215 cm with VS60 shaft)  
Standard Invert: 770mm from ground.



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Completely.**