

# Marsh:Standard

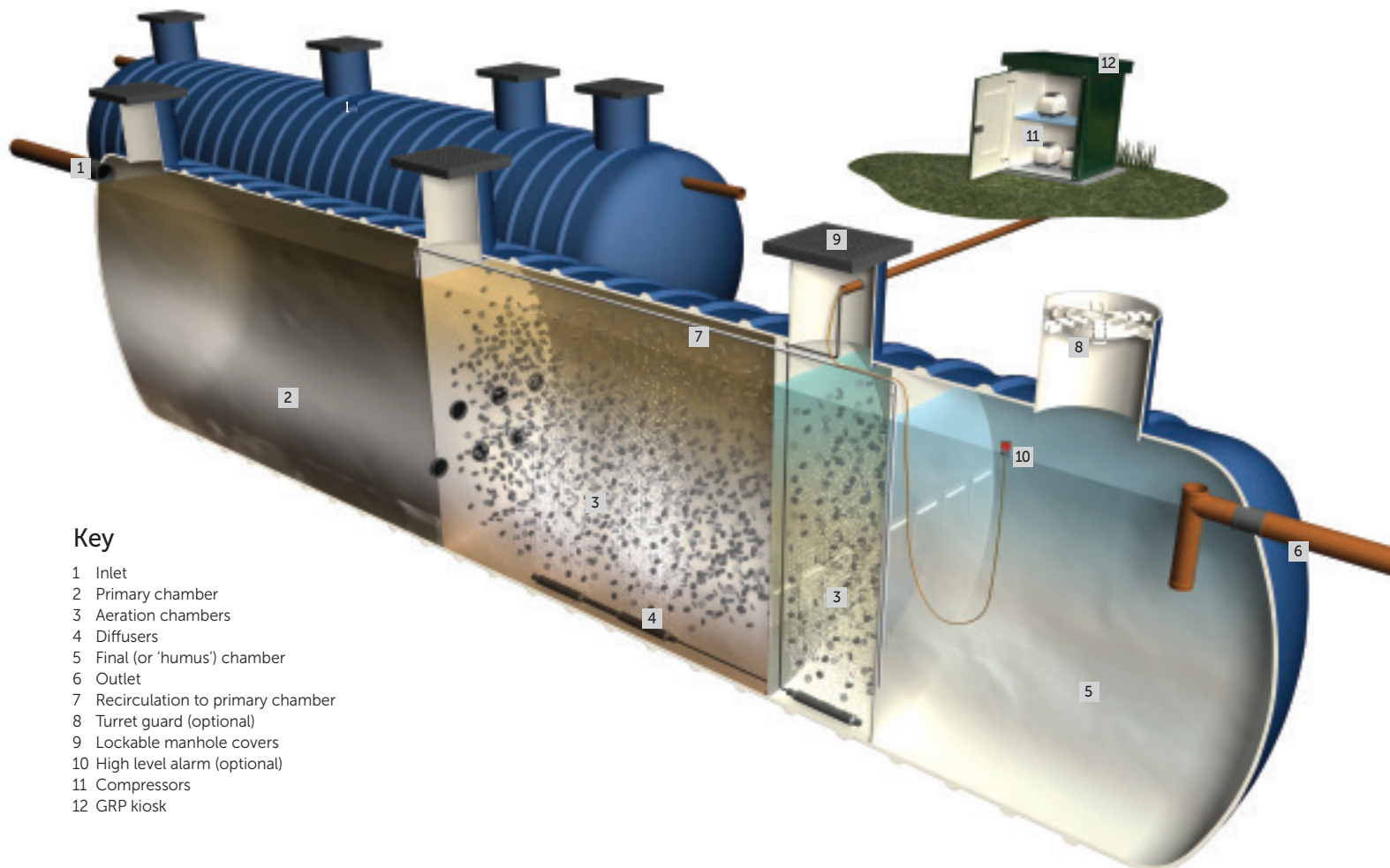
## Cost-effective sewage treatment

### Biological processing for off-mains wastewater

## Overview

Marsh:Standard cost-effective sewage treatment systems provide biological treatment to off-mains wastewater on large residential, commercial, industrial and leisure sites ranging from 50-300+PE.

Proven reliability of the simple but effective Submerged Aeration Filtration (SAF-MBBR) system offers both operating and financial benefits when compared to more complex and expensive alternatives that require frequent servicing and maintenance to sustain performance.



### Key

- 1 Inlet
- 2 Primary chamber
- 3 Aeration chambers
- 4 Diffusers
- 5 Final (or 'humus') chamber
- 6 Outlet
- 7 Recirculation to primary chamber
- 8 Turret guard (optional)
- 9 Lockable manhole covers
- 10 High level alarm (optional)
- 11 Compressors
- 12 GRP kiosk

*This is not a typical tank installation. Configuration and components are shown for illustration purposes only*

## Benefits

### Plant sizing

Designed to BS12255, systems are available from 50-300+ PE in sizes ranging from Ø2.5-3m satisfying the demands of virtually all site conditions.

### Class-leading effluent quality

Designed to British Water loadings (150litres per person, 60mg BOD litre and 8mg/litre Ammonia) ensures effluent discharge is well within national consent standards.

### Cost-effective operation and maintenance

Systems have no internal moving parts and require minimal ongoing maintenance.

### Heavy duty shell as standard

Structurally sound and built to last. Enables easy installation in all ground conditions.

### High media surface area

High specification bio-media (310m<sup>3</sup> per m<sup>2</sup>) and membrane diffusers provide even circulation to eliminate 'dead spots'.

### Low energy compressor(s)

Easily accessible low energy compressor for minimal running, maintenance and servicing costs. Integral alarm detects low pressure in air line.

### Internal recirculation

Continues the treatment process to provide higher effluent quality whilst balancing flow over 24 hour period or periods of intermittent use.

### Lockable manhole covers

600mm lockable manhole covers provide significant strength and durability, and helps to reduce possible odours.

### Health and Safety considerations

The Marsh:Standard can be fitted with many safety features including turret guards, failure alarms for compressor components and high level alarms.

### Optional extras

Optional extras include carbon covers for odour control, turret guards for additional safety, polylok filters to further reduce suspended solids, high level alarms and telemetry for monitoring, and risers/pumped outlets for deeper installations.

### Manufactured in the UK

All units are manufactured in our twin manufacturing plants at Kettering and Bridgwater. The tanks are constructed using GRP (virgin unfilled resin – no 'fillers' such as chalk) providing consistent wall thickness ensuring superior structural strength and durability.

## Specifications

Model	Population served	Width +/-50mm	Length +/-50mm	Height +/-50mm	Inlet		Outlet		Turrets x 4 Ø	Desludge Days
					Invert	Ø	Invert	Ø		
MS55	50-55	2500	4160	2950	600	160	800	160	600	90
MS60	60	2500	4470	2950	600	160	800	160	600	90
MS70	70	2500	5350	2950	600	160	800	160	600	90
MS85	85	2500	6000	2950	600	160	800	160	600	90
MS100	100	2500	6950	2950	600	160	800	160	600	90
MS125	125	2500	8550	2950	600	160	800	160	600	90
MS150	150	2500	10200	2950	600	160	800	160	600	90
MS200	200	2500	13400	2950	600	160	800	160	600	90
MS250	250	3000	9650	3450	600	160	800	160	600	60
MS300	300	3000	9650	3450	600	160	800	160	600	45

- > Pumped outlets are available
- > The dimensions given on this page are for guidance only
- > For precise tank sizes and configurations, please contact Marsh Civils
- > All dimensions in mm