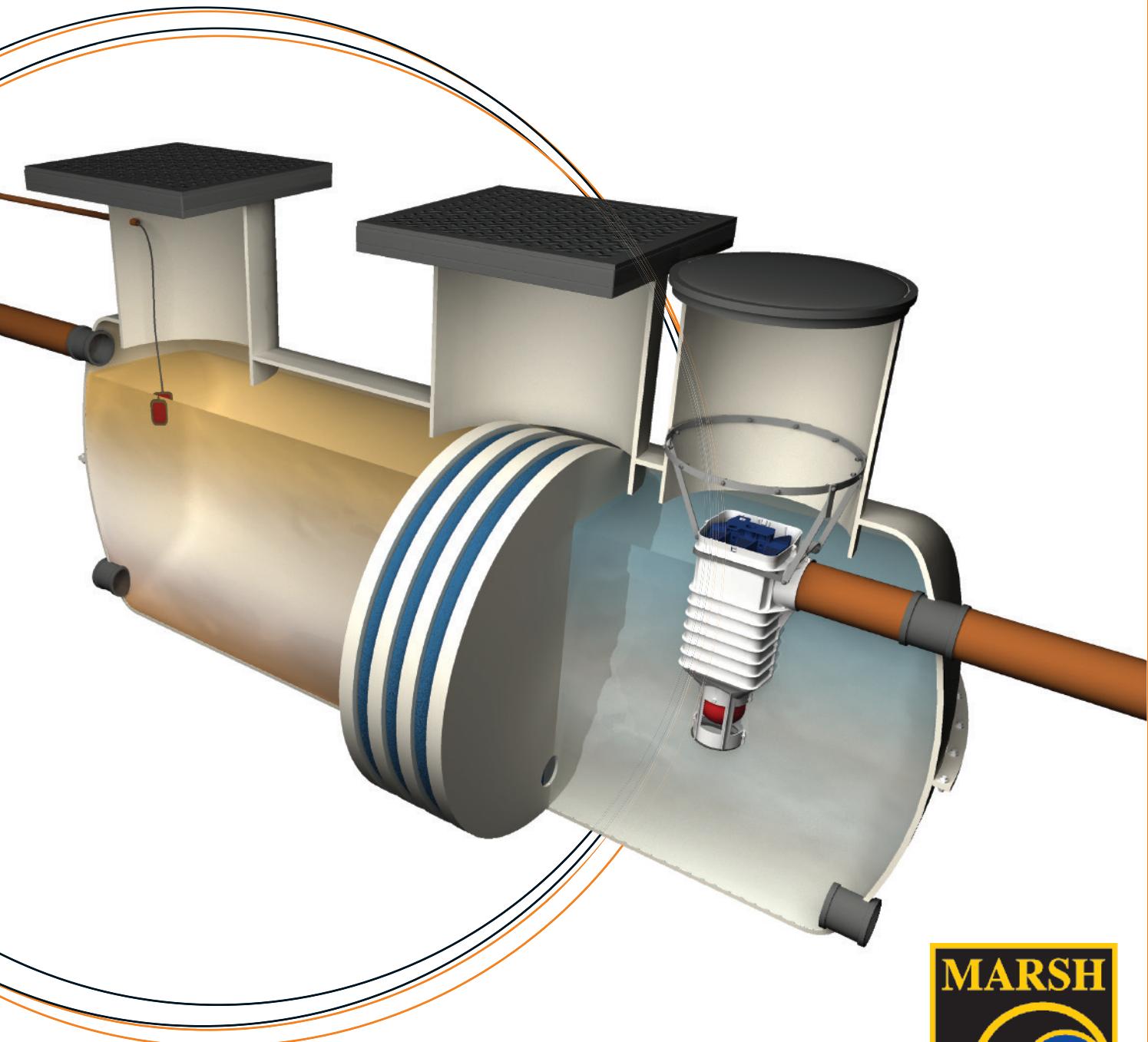


# Marsh GMS★

Industrial and commercial grease traps





# Innovative, reliable and cost-effective

Available in capacities from 2800 to 20,000 litres, Marsh Industries' Grease Management System (GMS★) range of grease traps effectively prevents Fats, Oils and Grease (FOG) from entering the drainage network or sewage treatment plants.

## Testing and verification

Marsh Industries has reassessed the currently prescribed testing methods for grease traps and devised its own unique test rig and analysis at Loughborough University.

The rig, put to test for 12 months, addressed calls from the industry for clarity in testing procedures of grease trap technology. After completing trials, the new range of grease traps are the only products of its type that have been successfully tested using materials that match the FOG used in the food industry – as opposed to the traditional test method of using heating oils.

A white paper, published by Marsh, titled "A New way forward for Meaningful Testing of Grease Traps", reports on analysis from the tests carried out at Loughborough University and can be downloaded from [www.marshindustries.co.uk](http://www.marshindustries.co.uk)



## FOG management

FOG has been shown to accumulate in pipework leading to a reduction in flow and ultimately complete blockage of drainage networks. Common problems associated with FOG include blocked drains and sewers, internal and external property and sewer flooding, foul smells and infestation by vermin and insects.

### Industry guidance

The British Water 'Food service industry fats oils and grease' code of practice sets out a number of statutes and legislation which require compliance and states "Prevention or pre-treatment is specified as being a prerequisite of the planning process and the law". Visit [www.britishwater.co.uk](http://www.britishwater.co.uk) for further information

## GAIA SEGE® Grease trap design

Developed by Marsh Industries, the unique Gaia Sege design programme uses core information to accurately calculate and tailor key variables ensuring total optimisation for individual applications.

These precise calculations provide assurance to consultants, engineers, specifiers and contractors that the system is specifically designed to meet the appropriate standards of regulatory bodies.

## Applications

Typical applications where grease traps/separators may be required:

- Bakeries
- Canteens
- Fast food restaurants
- Food processing factories
- Hotels
- Kitchens
- Public houses
- Restaurants
- Social clubs

Grease trap system shown for illustrative purposes

- 1 Wastewater pipe
- 2 Tank inlet
- 3 Solids retention
- 4 Fats, oils and grease (FOG) retention
- 5 Advanced coalescing filter
- 6 Polylok filter (optional)
- 7 Tank outlet
- 8 Mains sewer system
- 9 Optional desludge points
- 10 Heavy duty manhole cover
- 11 Outlet access
- 12 High level alarm (optional)

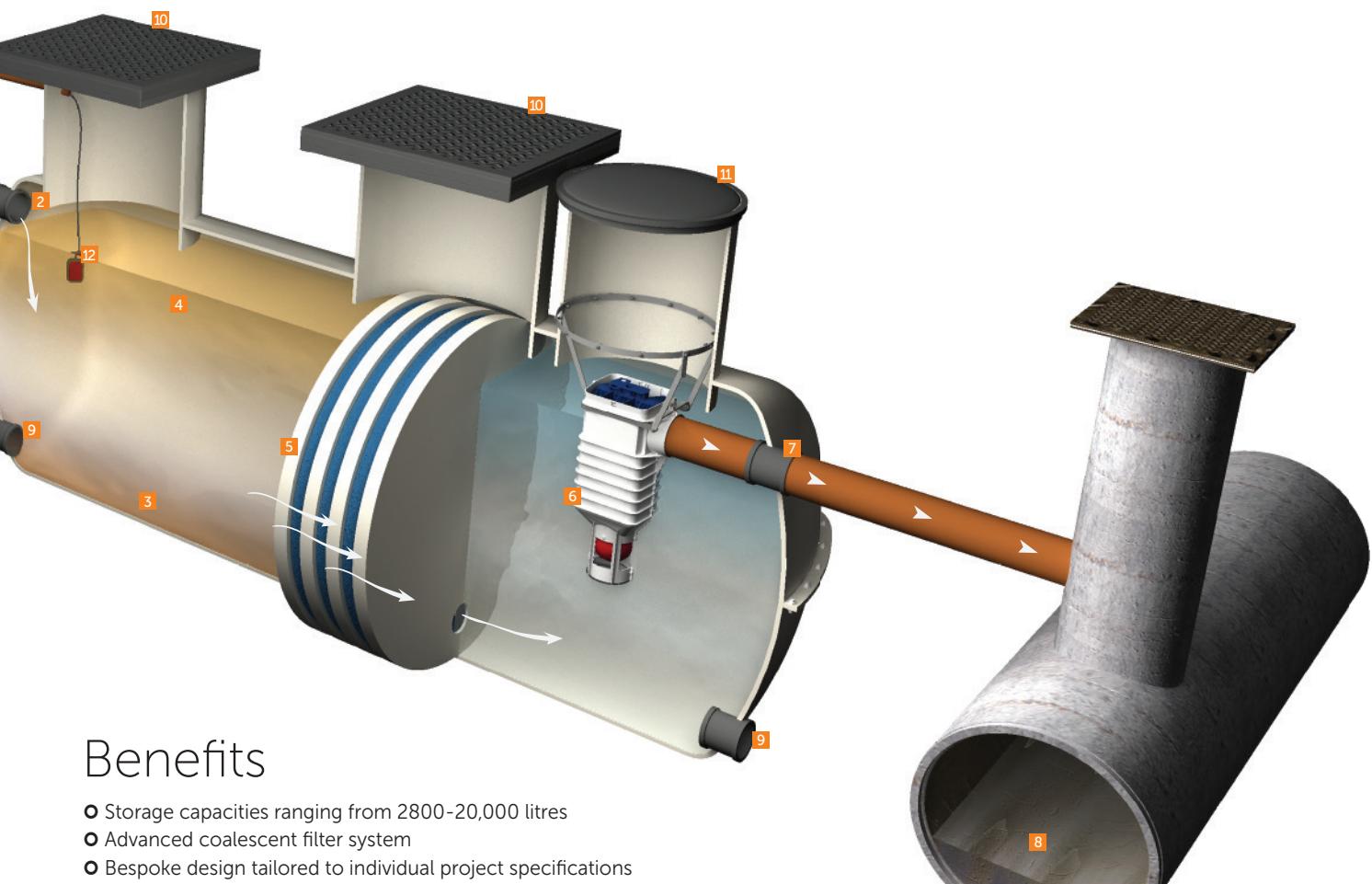
## How does it work?

Marsh GMS★ grease traps provides sufficient storage in its primary chamber allowing for adequate solidification of FOG molecule structures before passing through an advanced coalescing filtration system.

The coalescing filtration system contains three different grades of filter to prevent solids and waste passing into the final settlement chamber.



In larger units, an optional Ultra Polylok UV Filter is available which can provide further treatment to residual solids and can also destroy viruses, parasites and other pathogenic bacteria.

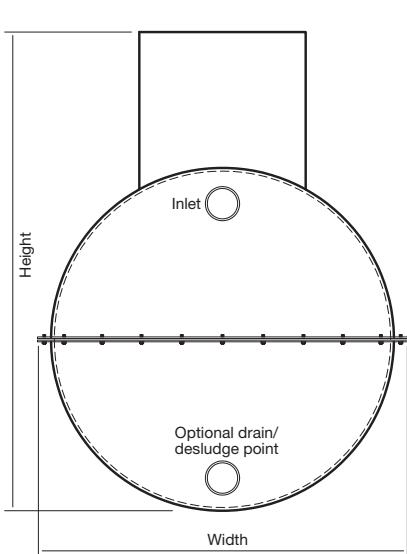


## Benefits

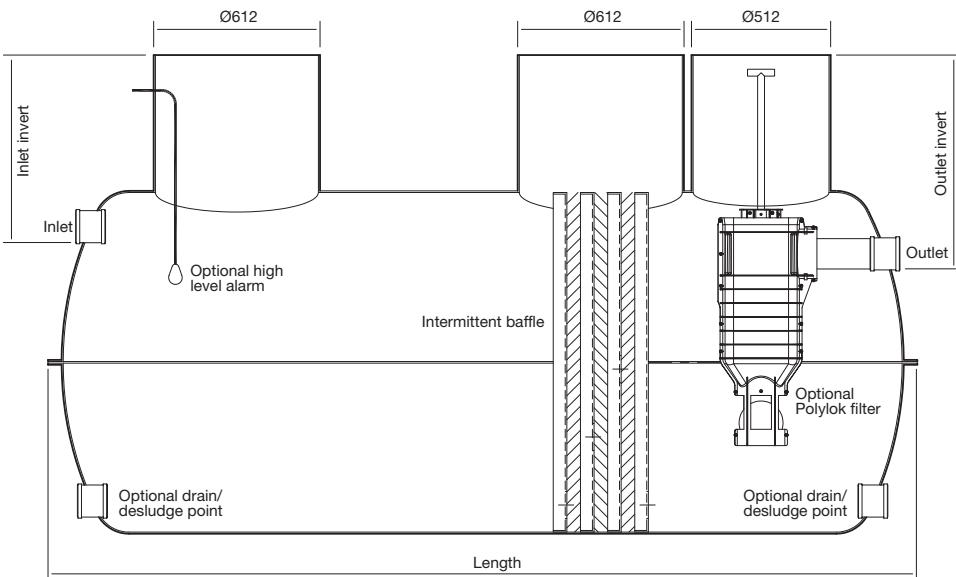
- Storage capacities ranging from 2800-20,000 litres
- Advanced coalescent filter system
- Bespoke design tailored to individual project specifications
- Adjustable turret and invert height
- Optional Polylok filter for further wastewater treatment
- Optional high level alarm
- Fast lead time



BRITISH WATER



View on inlet end



Cross section through elevation

## Tank specifications

Model	Size	Length	Width	Height	Inlet		Outlet	
					Invert	Ø	Invert	Ø
MG2800	2800L	3000	1250	1600		110		110
MG3800	3800L	4000	1250	1750		110		110
MG4500	4500L	2650	1600	2100		110		110
MG6000	6000L	2950	1900	2400		160		160
MG8000	8000L	3640	1900	2400		160		160
MG10000	10000L	4200	1900	2400	685	160	800	160
MG12000	12000L	5200	1900	2400		160		160
MG14000	14000L	5840	1900	2400		160		160
MG16000	16000L	6700	1900	2400		160		160
MG18000	18000L	7500	1900	2400		160		160
MG20000	20000L	8100	1900	2400		160		160

### Notes:

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

## Other products from the Marsh range

- Sewage treatment plants
- WellWater™ pump stations
- Septic tanks and cesspools
- Uni:Gem™ septic conversion units
- Degrilleur™ trash/debris barrier
- Agri-silage tanks
- Storm Dammer™ water attenuation
- Rainwater harvesting systems
- Marsh:Hydroil™ oil separators

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