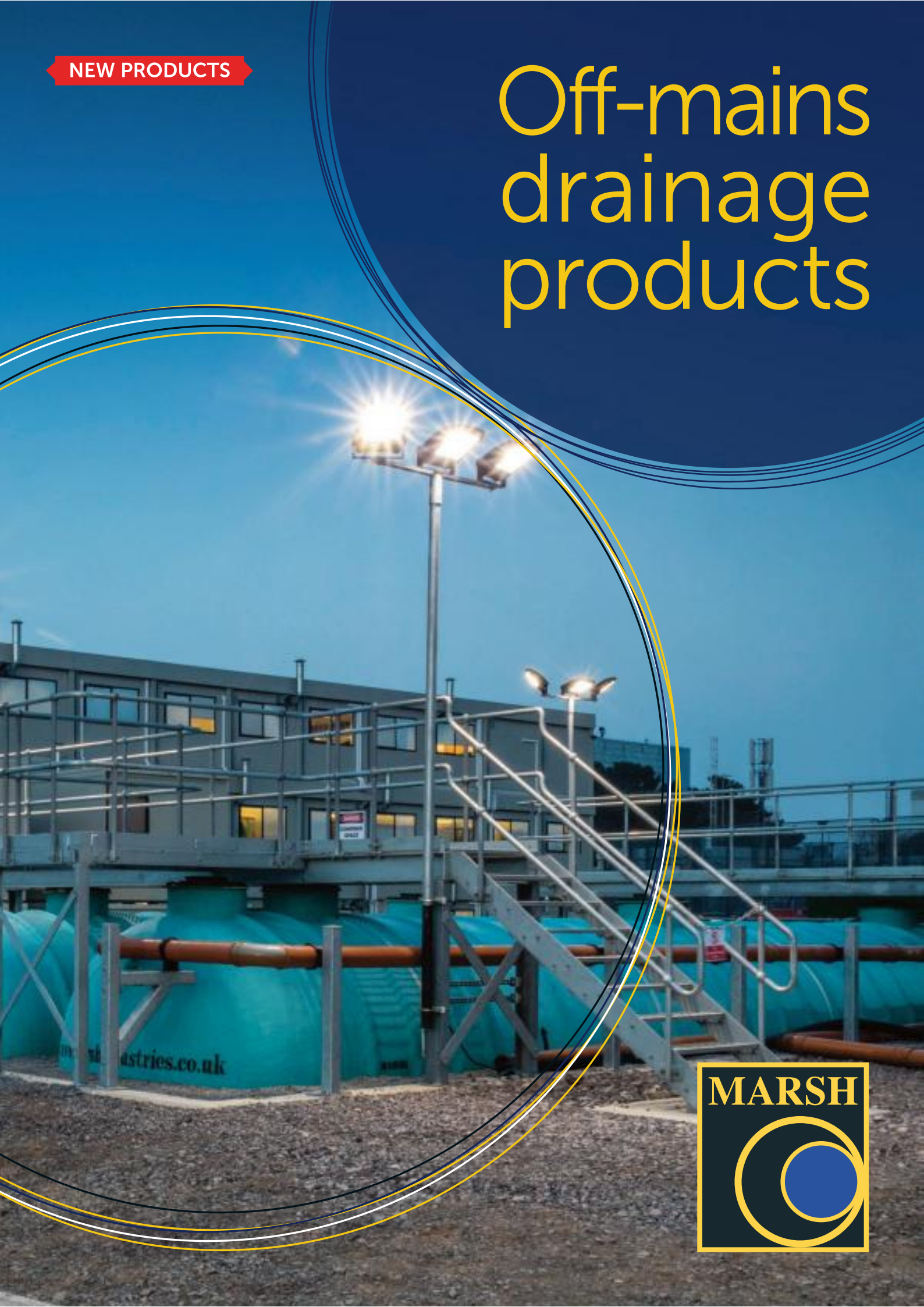


NEW PRODUCTS

Off-mains drainage products



MARSH

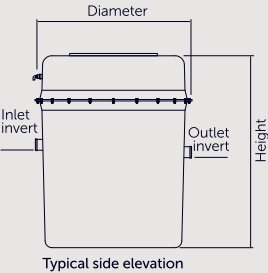


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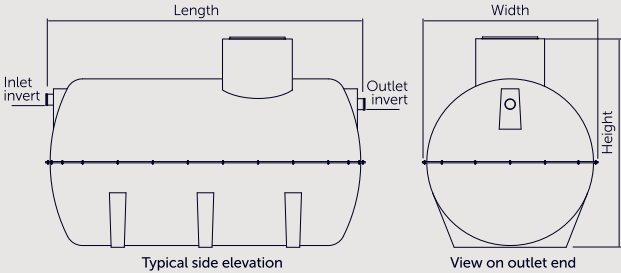
Specifications

Vertical Uni:Gem



Model	Dia	Height	Inlet		Outlet	
			Invert	Ø	Invert	Ø
Uni:Gem 6-10PE	1200	2200	1000	110	1050	110
Uni:Gem 12-18PE	1830	2100	700	110	775	110

Horizontal Uni:Gem



Model	Length	Width	Height	Inlet		Outlet	
				Invert	Ø	Invert	Ø
Uni:Gem 6PE shallow	1502	1295	1393	500	110	575	110
Uni:Gem 12PE shallow	2602	1650	1935	550	110	625	110
Uni:Gem 18PE shallow	2860	1930	2139	550	110	625	110
Uni:Gem 25PE	2860	1930	2300	700	110	875	160
Uni:Gem 30PE	3650	1930	2300	700	110	875	160
Uni:Gem 40PE	4200	1930	2300	700	110	875	160

- Notes:
- > All dimensions in mm
 - > Alternative tank sizes available
 - > For precise tank sizes and configurations, please contact Marsh Industries
 - > High Level Alarm systems and Polylok UV Chambers available
 - > The compressor is housed externally with an RCD box and alarm supplied as standard
 - > The Uni:Gem can be fitted with pumped outlets
 - > Standard MDPE fittings are either 50mm or 63mm

Cesspools

Basic storage and disposal of off-mains wastewater

Structurally sound units

A cesspool is a covered, watertight tank used for storing sewage. It has no outlet and relies on road transport for the removal of raw sewage. No treatment is involved.



Specifications

Model	Length	Width	Height	Inlet	
				Invert	Ø
AT2800	3000	1250	1750	500	110
AT3800	4000	1250	1750	500	110
AT4500	2650	1600	2100	500	110
AT6000	2950	1900	2400	500	160
AT8000	3640	1900	2400	500	160
AT10000	4200	1900	2400	500	160
AT12000	5200	1900	2400	500	160
AT14000	5840	1900	2400	500	160
AT16000	6700	1900	2400	500	160
AT18000	7500	1900	2400	500	160
AT20000	8100	1900	2400	500	160

- > All dimensions in mm
- > For precise tank sizes and configurations, please contact Marsh Industries

Guidance notes

- For domestic applications cesspools should have a capacity below the level of the invert of at least 18,000ltrs for two users, and should be increased by 6800ltrs for each additional user. Cesspools for commercial premises have no such restrictions
- Installation of a high level alarm is recommended to indicate when it is nearly full
- Whoever empties your cesspool (or septic/PSTP) should be a registered Waste Carrier and hold a current discharge licence from the local water authority
- Use of cesspool is not permitted in Scotland

Structural integrity testing

Structural integrity tests, performed in accordance with EN ISO 179-1/1eA: 2010-11, were undertaken to evaluate the strength of Marsh Industries' GRP materials against similar GRP materials used by other manufacturers.

Three separate material samples were submitted for impact testing; Marsh GRP material (virgin unfilled resin), a GRP material containing calcium fillers and a GRP material containing sand filler.

The tests involved 12 samples of each material at a size of 80x10x5mm. The nominal pendulum energy was 15J at an impact velocity of 3.8m/s.

Results proved Marsh GRP material to be 40% stronger than the other materials tested.

Fire resistance testing

Fire resistance testing was performed to assess ignitability of products subjected to direct impingement of flame. Marsh Industries' GRP material passed all practical testing to achieve EN ISO 11925-2:2010 standard.



MARSH HQ AND FACTORIES

Units 2-16, Addington Business Park, Little Addington
Kettering, Northamptonshire NN14 4AS



BRIDGWATER FACTORY

Axe Road, Colley Lane Industrial Estate
Bridgwater, Somerset TA6 5LN

Domestic products: sales@marshindustries.co.uk

Civils / Commercial products: contracts@marshindustries.co.uk

+44 (0)1933 654582 | www.marshindustries.co.uk

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