

Marsh Industries

WellWater range of domestic and commercial pump stations



Marsh WellWater

The most comprehensive range of pump stations available in the UK

When discharge to mains is required, but to do so by gravity is impractical, a WellWater pump station will be needed.

Marsh pump station systems are usually bespoke. However there are several factors that play a role in identifying precisely the right tank sizes and type that are required for your project.

Marsh Industries' system designers can work closely with you to identify all key requirements in accompaniment with Marsh Industries' unique process design software, Gaia Sege.

Applications

The WellWater range of pump stations are suitable for water and wastewater treatment, effluent and sewage discharge as well as grinder applications in all domestic, commercial and industrial sites:

- Agricultural water and wastewater
- Biofuel systems
- Commercial buildings
- Domestic buildings
- Food processing
- Industrial boilers
- Industrial wastewater
- Industrial water treatment
- Marine
- Mining
- Pharmaceuticals
- Wastewater transport
- Wastewater treatment
- Water distribution
- Water intake
- Water treatment



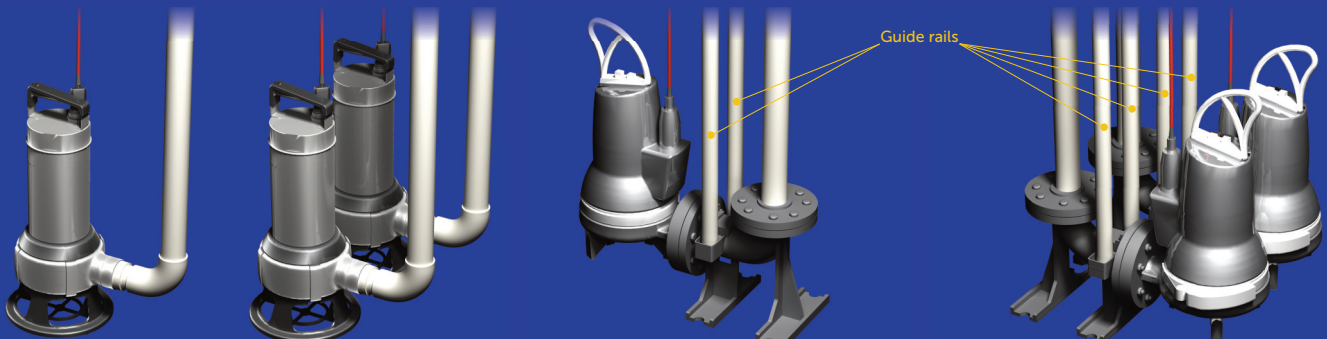
Why specify a Marsh pump station?

- Designed to British Standard European Norm's:
 - BSEN12050 for structural strength and water-tightness*
 - BSEN752 to comply with hydrostatic and electrical requirements*
 - BSEN752-6 for drain and sewer systems in outside buildings*
- Smooth internal walls and integral pump well improves pump efficiency and eliminates 'dead spots' which can lead to odours and septicity
- Variable invert depths and orientations to suit individual site conditions
- Pre-assembled pipework for fully automatic operation
- Unique 'keying-in' lip on WellWater:Seine range assists anchoring into concrete surround

Pump options

Marsh uses market-leading submersible pumps throughout its WellWater range of pump stations to ensure maximum reliability and efficiency with minimal clogging or wear. Pump stations can be specified with single or twin free-standing pumps, or single or twin pumps with guide rails as illustrated below.

Note: Floats can be fitted directly to specific pump systems. Please contact Marsh Industries to discuss your project requirements.



Single free-standing pump

Twin free-standing pumps

Single pump with guide rails

Twin pumps with guide rails

Guidance notes

- Where foul water drainage from a domestic property is to be pumped to mains the effluent receiving chamber should be sized to contain 24-hour inflow to allow for disruption in service, the minimum daily discharge being taken as 150 litres per person per day
- For other building types the capacity of the receiving chamber should be based on the calculated daily demand of the water intake for the building, or when only a proportion of the foul sewage is to be pumped then the capacity should be based pro-rata
- If the sewer is to be 'adopted' by a local water authority, please contact Marsh Industries as Sewers for Adoption (SFA) specification and additional local authority related criteria may apply

WellWater:Seine™

Ø1.1m pump station

Marsh WellWater:Seine pump stations are Ø1.1m vertical units, available in 2200mm and 2600mm heights with storage capacities of 1735 litres and 2050 litres respectively.

Each system is supplied as a complete unit with either single or twin free-standing submersible pumps and high quality internal pipework/fittings as standard.

These pump stations are typically used in smaller domestic or commercial applications for pumping foul water or sewage to mains sewer.



Key

- 1 Inlet
- 2 Submersible pump(s)
Single or twin free-standing options
- 3 Pump retrieval chain
- 4 Non-return valve(s)
- 5 Gate valve
- 6 Outlet connection
- 7 Ducting and cable entry points
- 8 Vent
- 9 Manway access
- 10 Float bracket

Float configuration options

- A Pump 'OFF' float switch
- B Pump 1 'ON' float switch
- C Pump 2 'ON' float switch
- On twin pump configurations*
- D High water float switch

Note: Floats can be fitted directly to specific pump systems. Please contact Marsh Industries to discuss your project requirements.

WellWater:Seine range

Model	Single/Twin pump	Application	Diameter mm	Depth mm	Total storage Litres	Invert mm	Pipework dia mm
SE1122	Single	Effluent	1100	2200	1735	minimum 500	110 or 160
TE1122	Twin	Effluent	1100	2200	1735	minimum 500	110 or 160
SE1126	Single	Effluent	1100	2600	2050	minimum 500	110 or 160
TE1126	Twin	Effluent	1100	2600	2050	minimum 500	110 or 160
SS1122	Single	Sewage	1100	2200	1735	minimum 500	110 or 160
TS1122	Twin	Sewage	1100	2200	1735	minimum 500	110 or 160
SS1126	Single	Sewage	1100	2600	2050	minimum 500	110 or 160
TS1126	Twin	Sewage	1100	2600	2050	minimum 500	110 or 160
SG1122	Single	Grinders	1100	2200	1735	minimum 500	110 or 160
TG1122	Twin	Grinders	1100	2200	1735	minimum 500	110 or 160
SG1126	Single	Grinders	1100	2600	2050	minimum 500	110 or 160
TG1126	Twin	Grinders	1100	2600	2050	minimum 500	110 or 160

Notes:

- > All pump stations are available for dirty water (DW) or sewage (SW), in single pump (SP) and twin pump (TP) configurations
- > The dimensions given on this page are for guidance only
- > For precise tank sizes and configurations, please contact Marsh Industries
- > All dimensions in mm

Tank configurations and components are shown for illustration purposes only

WellWater:Hudson™

Ø1.2m pump station

Marsh WellWater:Hudson pump stations are Ø1.2m vertical units, available from 2000mm to 3500mm heights with storage capacities ranging from 2170 litres to 3860 litres.

Each system is supplied as a complete unit with either single or twin submersible pumps with guide rails and high quality internal pipework/fittings as standard.

These pump stations are typically used in medium to large domestic or commercial applications for pumping foul water or sewage to mains sewer.

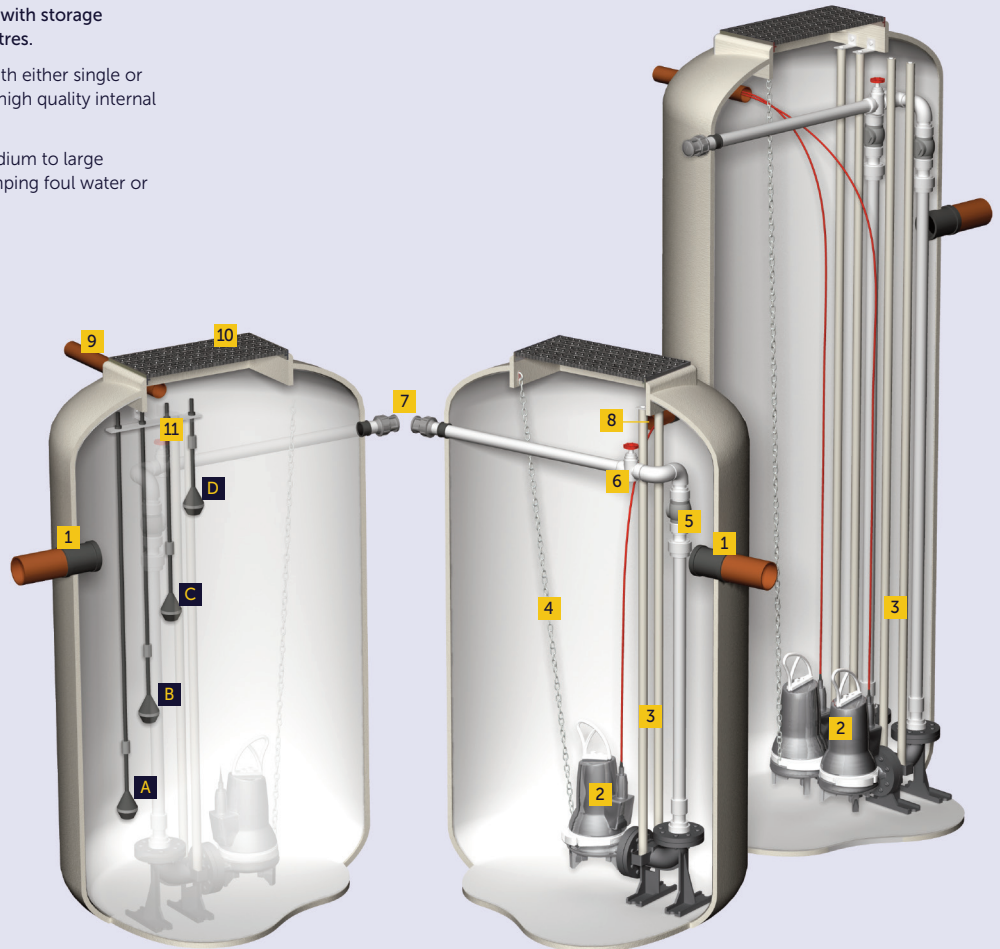
Key

- 1 Inlet
- 2 Submersible pump(s)
Single or twin pumps with guide rails
- 3 Guide rails
- 4 Pump retrieval chain
- 5 Non-return valve(s)
- 6 Gate valve
- 7 Outlet connection
- 8 Ducting and cable entry points
- 9 Vent
- 10 Manway access
- 11 Float bracket

Float configuration options

- A Pump 'OFF' float switch
 - B Pump 1 'ON' float switch
 - C Pump 2 'ON' float switch
 - D High water float switch
- On twin pump configurations*

Note: Floats can be fitted directly to specific pump systems. Please contact Marsh Industries to discuss your project requirements.



WellWater:Hudson range

Model	Single/Twin pump	Application	Diameter mm	Depth mm	Total storage Litres	Invert mm	Pipework dia mm
SS1220	Single	Sewage	1200	2000	2170	minimum 500	110 or 160
TS1220	Twin	Sewage	1200	2000	2170	minimum 500	110 or 160
SS1230	Single	Sewage	1200	3000	3300	minimum 500	110 or 160
TS1230	Twin	Sewage	1200	3000	3300	minimum 500	110 or 160
SS1235	Single	Sewage	1200	3500	3860	minimum 500	110 or 160
TS1235	Twin	Sewage	1200	3500	3860	minimum 500	110 or 160
SG1220	Single	Grinders	1200	2000	2170	minimum 500	110 or 160
TG1220	Twin	Grinders	1200	2000	2170	minimum 500	110 or 160
SG1230	Single	Grinders	1200	3000	3300	minimum 500	110 or 160
TG1230	Twin	Grinders	1200	3000	3300	minimum 500	110 or 160
SG1235	Single	Grinders	1200	3500	3860	minimum 500	110 or 160
TG1235	Twin	Grinders	1200	3500	3860	minimum 500	110 or 160

- Notes:
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WellWater:Nile™

Ø1.8m pump station



Marsh WellWater:Nile pump stations are Ø1.8m vertical units, available in 3000mm and 4000mm heights with storage capacities of 7250 litres and 9800 litres respectively.

Each system is supplied as a complete unit with either single or twin submersible pumps with guide rails and high quality internal pipework/fittings as standard.

These pump stations are typically used in large domestic or commercial applications for pumping foul water or sewage to mains sewer.

Key

- 1 Inlet
- 2 Submersible pump(s)
Single or twin pumps with guide rails
- 3 Guide rails
- 4 Pump retrieval chain
- 5 Non-return valve(s)
- 6 Gate valve
- 7 Outlet connection
- 8 Ducting and cable entry points
- 9 Vent
- 10 Manway access
- 11 Float bracket

Float configuration options

- A Pump 'OFF' float switch
- B Pump 1 'ON' float switch
- C Pump 2 'ON' float switch
- On twin pump config's*
- D High water float switch

Note: Floats can be fitted directly to specific pump systems. Please contact Marsh Industries to discuss your project requirements.

WellWater:Nile range

Model	Single/Twin pump	Application	Diameter mm	Depth mm	Total storage Litres	Invert mm	Pipework dia mm
SS1830	Single	Sewage	1800	3000	7250	minimum 500	110 or 160
TS1830	Twin	Sewage	1800	3000	7250	minimum 500	110 or 160
SS1840	Single	Sewage	1800	4000	9800	minimum 500	110 or 160
TS1840	Twin	Sewage	1800	4000	9800	minimum 500	110 or 160
SG1830	Single	Grinders	1800	3000	7250	minimum 500	110 or 160
TG1830	Twin	Grinders	1800	3000	7250	minimum 500	110 or 160
SG1840	Single	Grinders	1800	4000	9800	minimum 500	110 or 160
TG1840	Twin	Grinders	1800	4000	9800	minimum 500	110 or 160

Notes:

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WellWater:Amazon™

Ø2.5m pump station

Marsh WellWaterAmazon pump stations are Ø2.5m horizontal units, available in storage capacities ranging from 7710 litres to 17500 litres.

Each system is supplied as a complete unit with either twin submersible pumps with guide rails and high quality internal pipework/fittings as standard.

These pump stations are typically used in extra large domestic or commercial applications for pumping foul water or sewage to mains sewer.

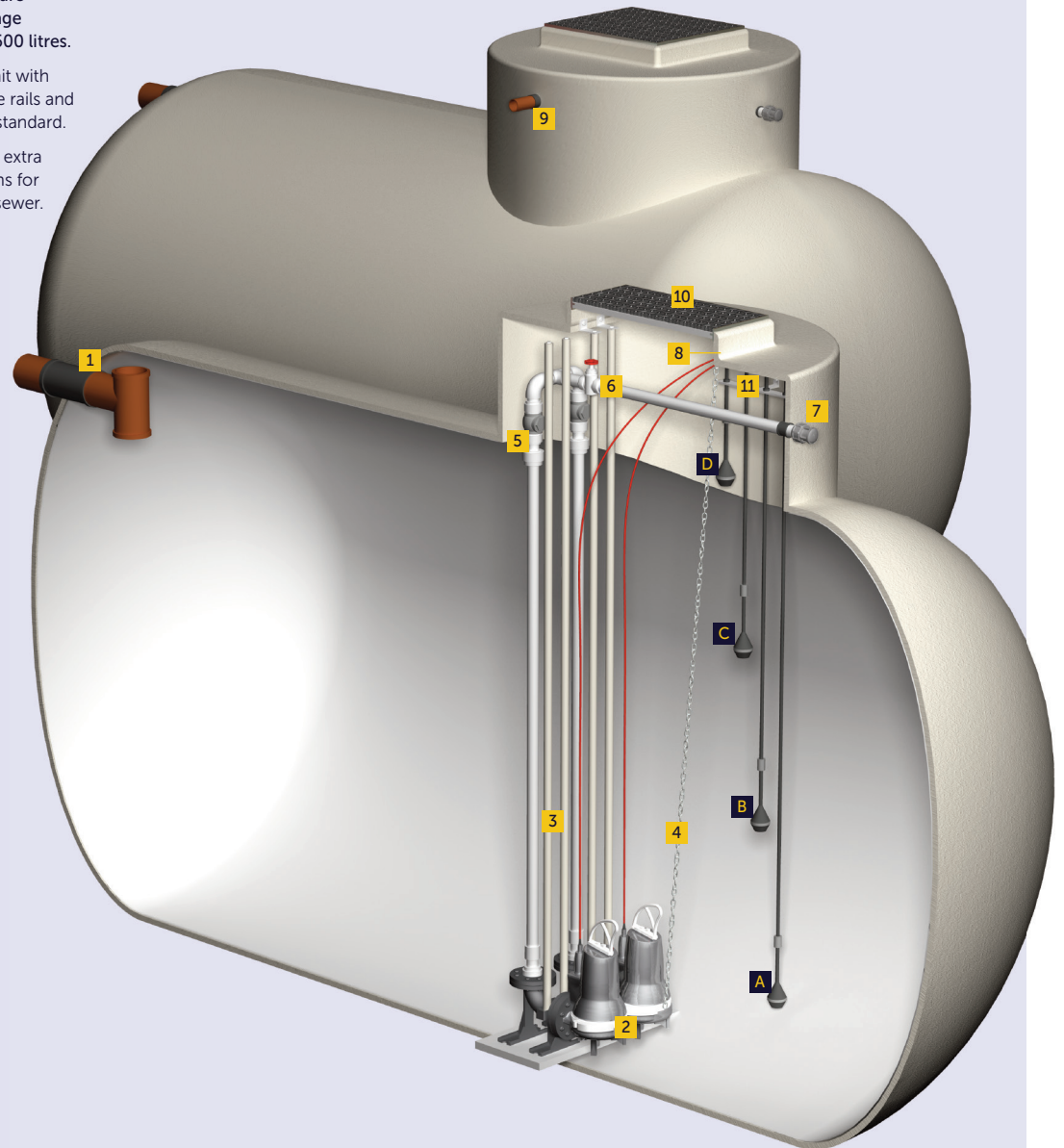
Key

- 1 Inlet
- 2 Twin pumps with guide rails
- 3 Guide rails
- 4 Pump retrieval chain
- 5 Non-return valve(s)
- 6 Gate valve
- 7 Outlet connection
- 8 Ducting and cable entry points
- 9 Vent
- 10 Manway access
- 11 Float bracket

Float configuration options

- A Pump 'OFF' float switch
- B Pump 1 'ON' float switch
- C Pump 2 'ON' float switch
- D On twin pump configurations High water float switch

Note: Floats can be fitted directly to specific pump systems. Please contact Marsh Industries to discuss your project requirements.



WellWater:Amazon range

Model	Pump	Application	Diameter mm	Length mm	Total storage Litres	Invert mm	Pipework dia mm
TS2520	Twin	Sewage	2500	2000	7710	minimum 500	110 or 160
TS2535	Twin	Sewage	2500	3500	15050	minimum 500	110 or 160
TS2540	Twin	Sewage	2500	4000	17500	minimum 500	110 or 160

Notes:

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- > All dimensions in mm

Tank configurations and components are shown for illustration purposes only

Degrilleur™

Trash barrier for pump stations

When non dissolvable objects are flushed into the sewer and then into a pump station downstream, it can lead to blockages or worse - possible plant failure.

To combat this Marsh Industries has developed the 'Degrilleur' – a bar screen which prevents any unsuitable materials from entering the system.

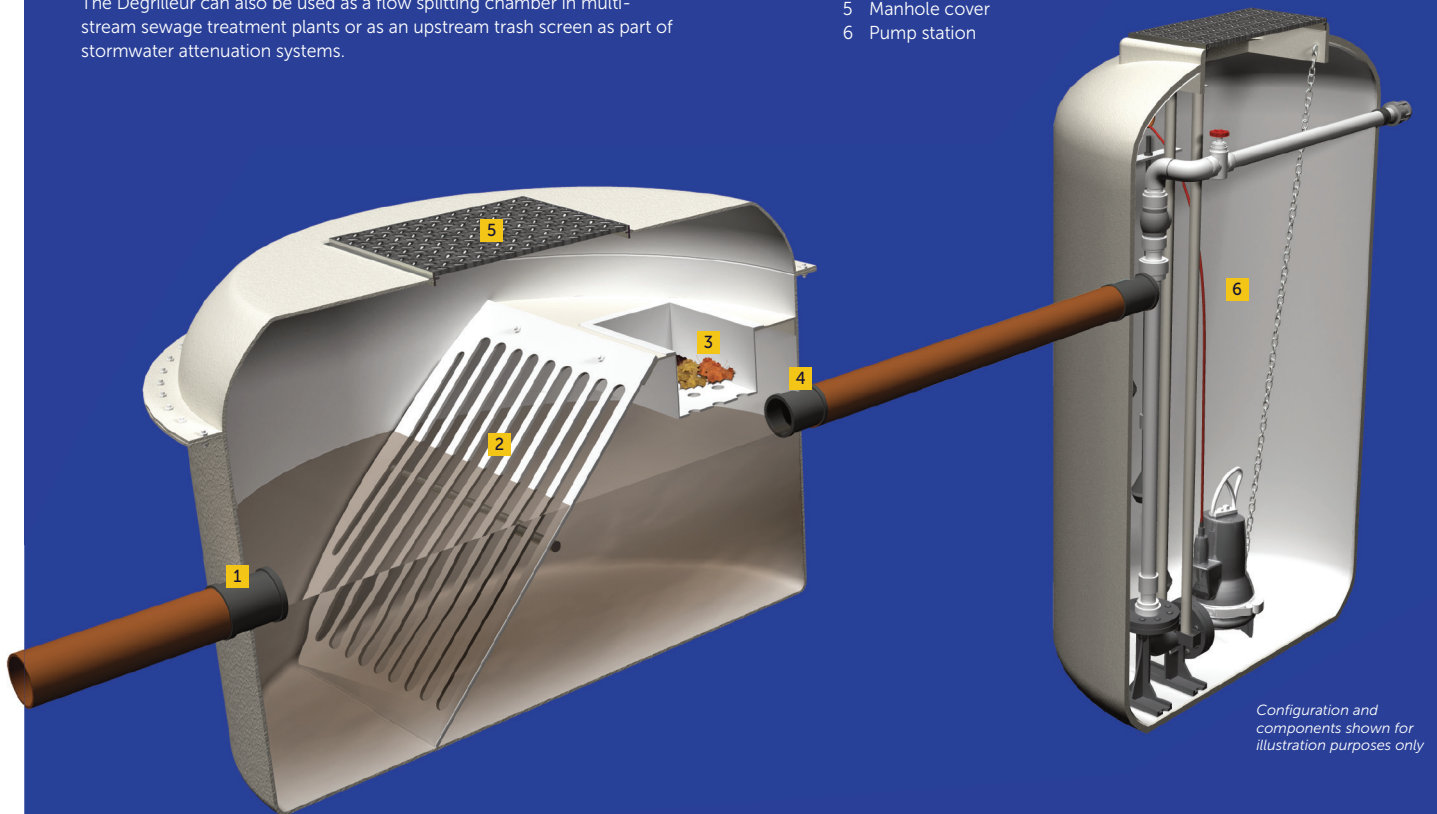
The unit has no moving parts and requires no electrics, is available in two capacities, 2000 and 12,000 litres, and is suitable for domestic, commercial and industrial installations.

The Degrilleur can also be used as a flow splitting chamber in multi-stream sewage treatment plants or as an upstream trash screen as part of stormwater attenuation systems.

The Marsh Degrilleur, positioned ahead of the system inlet, blocks the debris and forces it to rise to the top of the chamber where it is collected in a retaining trough for disposal.

Key

- 1 Inlet (110 or 160mm)
- 2 Grill and frame
- 3 Perforated retaining trough
- 4 Outlet (110 or 160mm)
- 5 Manhole cover
- 6 Pump station



Configuration and components shown for illustration purposes only



Cylindrical Degrilleur

Model	Dia ø	Height
MID-1	1100	1100
MID-2	1500	1500
MID-3	1700	1700

Horizontal Degrilleur

Model	Dia ø	Length
MID-4	1900	2950
MID-5	1900	5200

Notes:

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

Ancillary products and services

For domestic, commercial and industrial pump stations

Other products from the Marsh range

Alarm systems

Pump station alarms monitor the level of liquid inside the units. An alarm signal is generated when there is an excessive level of liquid, or if the unit requires emptying.

Marsh Industries can supply various types of alarm, as well as bespoke options as required.

- Beacon alarms
- Klaxon and beacon alarms
- SMS Alarms
- Micro SMS battery alarms
- Micro SMS solar panel alarms

GRP kiosks

Marsh GRP kiosks provide safe and secure storage of electrical control panels and other tank monitoring equipment.

The kiosks are typically fitted with one or two doors, depending on kiosk size, with stainless steel vents and yale locks.

Commissioning and servicing

Marsh Industries offers a nationwide service to cover all aspects of commissioning and servicing on the Marsh WellWater pump station range.

Commissioning and servicing packages can be tailored to customer requirements from basic commissioning contracts to commissioning and full service contracts, including on-going support and advice.

Advice and guidance

For advice and guidance on choosing the right products for your site please contact Marsh Industries on +44 (0)1933 654582 or email contracts@marshindustries.co.uk.



- Sewage treatment plants
- Septic tanks
- Septic conversion units
- Cesspools
- Grease traps
- Oil separators
- Rainwater harvesting

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