

# BASE<sup>2</sup>DRAIN

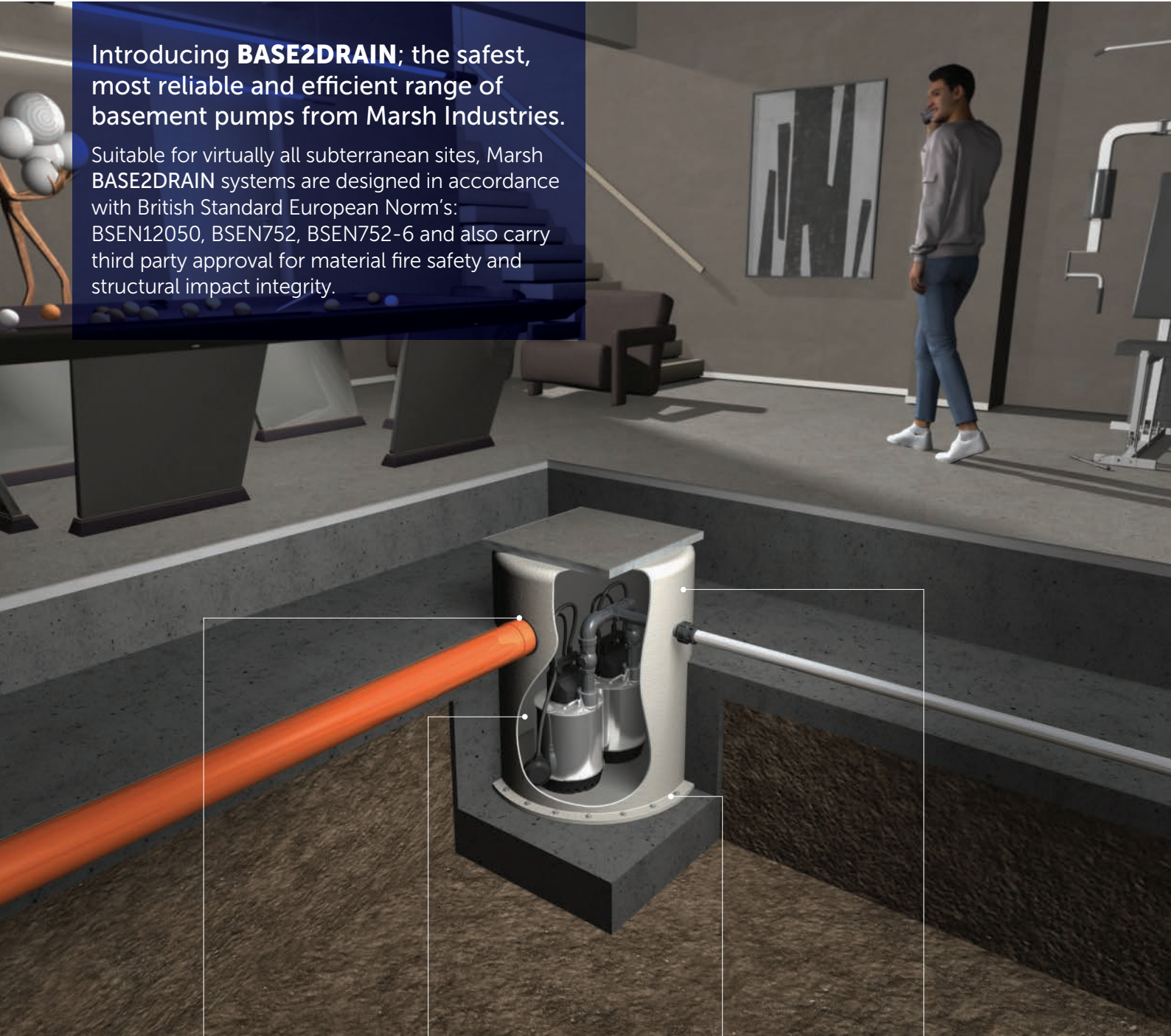
## BASEMENT PUMP SOLUTIONS



# Quality Efficiency Reliability

Introducing **BASE2DRAIN**; the safest, most reliable and efficient range of basement pumps from Marsh Industries.

Suitable for virtually all subterranean sites, Marsh BASE2DRAIN systems are designed in accordance with British Standard European Norm's: BSEN12050, BSEN752, BSEN752-6 and also carry third party approval for material fire safety and structural impact integrity.



Variable invert depths and orientations to suit individual site conditions

Smooth internal walls improve pump efficiency and eliminates 'dead spots' which can lead to odours and septicity

Unique 'keying-in' lip assists anchoring into concrete surround

Structurally robust, fire tested GRP shell



Marsh's experienced and knowledgeable team promptly and accurately interpret our requirements. We put full confidence in Marsh from pricing to completion for all of our project requirements.

– Client testimonial



## Overview

A Marsh BASE2DRAIN basement pump is necessary when discharge from a subterranean site, such as an underground car park or a home basement, is required but gravity discharge is impractical.

Available in a wide range of sizes and capacities, all BASE2DRAIN systems are supplied as a complete unit with either twin or triple submersible pumps and high quality internal pipework/fittings as standard.

Marsh Civils' technical team can work closely with you to identify all key requirements in specifying the right system for your project.

## Pump options

Marsh uses market-leading submersible pumps throughout its BASE2DRAIN range to ensure maximum reliability and efficiency with minimal clogging or wear.

### Notes:

- > In triple submersible pump applications, one pump is typically used as a backup.
- > Floats can be fitted directly to specific pump systems

## Specifications

Model	Pump options	Diameter +/-50mm	Depth +/-50mm	Total storage Litres	Outlet Ødia mm	Outlet invert	Power Kw
B2D-TP675	Twin pump	600	750	141	32	250	0.25 / 0.55
B2D-TP610	Twin pump	600	1000	169	32	400	0.25 / 0.55
B2D-TP615	Twin pump	600	1500	212	32	750	0.55
B2D-TP620	Twin pump	600	2000	226	32	1200	0.55
B2D-TRP7575/BB	Twin pump / Triple pump / UPS battery-back up options	750	750	220	32	250	0.25 / 0.55
B2D-TRP7510	Twin pump / Triple pump options	750	1000	265	32	400	0.25 / 0.55
B2D-TRP7515	Twin pump / Triple pump options	750	1500	331	32	750	0.55
B2D-TRP7520	Twin pump / Triple pump options	750	2000	353	32	1200	0.55

### Notes:

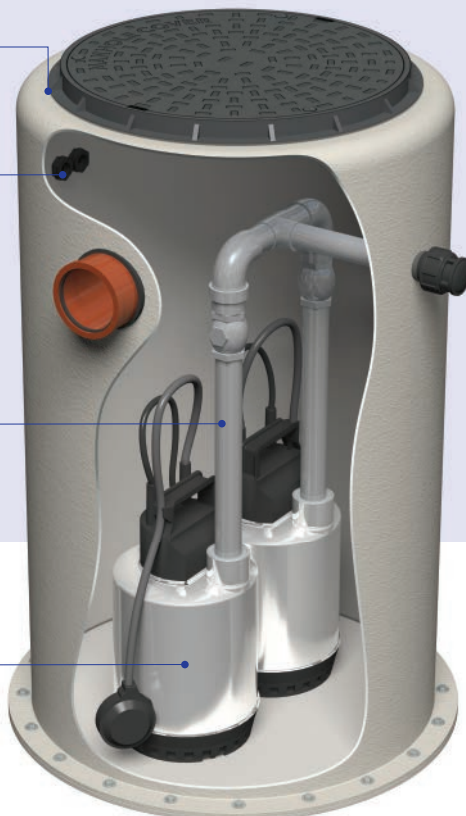
- > The dimensions given on this page are for guidance only
- > For precise tank sizes and configurations, please contact Marsh
- > All dimensions in mm

Acoustic sealant provides an effective sound barrier and prevents air and moisture from entering the tank

Cable glands

Pre-assembled pipework for fully automatic operation

Market-leading submersible pumps ensure maximum reliability and efficiency with minimal clogging or wear



## Why specify Marsh

- 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 improve 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 assists anchoring into concrete surround
- GRP tank material passed all practical fire testing to achieve EN ISO 11925-2:2010 standard (see back page)
- Structural integrity tests performed in accordance with EN ISO 179-1/1eA: 2010-11 (see back page)

## Tank sizing and specification

For precise sizing and product specification, please contact the Marsh Civils team on 01933 829470 or email [contracts@marshindustries.co.uk](mailto:contracts@marshindustries.co.uk)



# Basement pump maintenance packages

BASE2DRAIN maintenance packages provide peace of mind that your pump and associated equipment will continue to work reliably and effectively, whilst at the same time considerably extending their working-life expectancy.

Basement pumps covered by Marsh maintenance packages suffer far fewer intermediate breakdowns, making scheduled maintenance an extremely cost-effective safeguard against potential failure.

For details on basement pump maintenance packages contact 01933 654582 or email [contracts@marshindustries.co.uk](mailto:contracts@marshindustries.co.uk).

## Product safety

### Structural impact 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.

## Design capability

### GAIA SÉGE® process design software for bespoke systems

Developed by Marsh Industries, our unique Gaia Sége process design software uses core information to accurately calculate and tailor key variables ensuring total optimisation for sewage treatment plants, pump stations, grease management systems and stormwater attenuation.

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.

**Our technical team can help you with your bespoke off-mains drainage projects today.**

## Commissioning and servicing

Marsh Industries offers a nationwide service to cover all aspects of commissioning and servicing on the Marsh basement pump 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 [sales@marshindustries.co.uk](mailto:sales@marshindustries.co.uk)

