



# RainCell

RAINWATER HARVESTING SYSTEM  
FOR THE HOME AND GARDEN



Happily for everyone the new Marsh Raincell is the simplest, most reliable and cost effective rainwater harvesting system on the market.

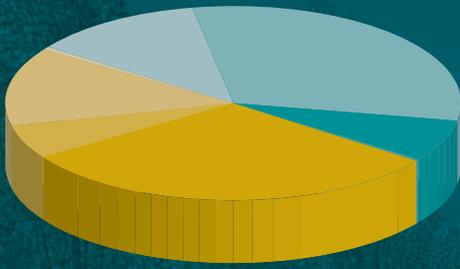
With storage capacities up to 6000 litres the Raincell system accommodates most household roof sizes and effectively distributes clean recycled rainwater to the home or garden, allowing you to save up to 50% of your metered water costs.

[www.marshindustries.co.uk](http://www.marshindustries.co.uk)



# HARVEST UP TO 55% OF YOUR WATER NEEDS

The chart below shows a rough breakdown of water use within a typical household. It also gives you an idea of how much is harvestable.



## HARVESTABLE

- 33.3% Toilets
- 14% Clothes washing
- 6.1% Gardens
- 0.7% Car washing
- 54.1% Total

## NOT HARVESTABLE

- 30% Personal washing
- 8% Dishwashing
- 0.5% Direct heating
- 7.4% Miscellaneous
- 45.9% Total

# RainCell >

## RAINWATER HARVESTING SYSTEM

Collecting and reusing rainwater at source reduces your mains water demand allowing you to save money on your water bills\* whilst doing your bit for the environment by reducing run-off to local drains and rivers alleviating flood risk.

### SYSTEM OPTIONS

#### RainCell GARDEN



For outdoor use including garden irrigation, washing cars and windows and cleaning drives and patios.

#### RainCell HOME & GARDEN



In addition to outdoor use 'Home' system also provides soft, limescale-free water for flushing toilets and feeding washing machines.

### TANK SIZING

Choosing the optimum tank size is a balance between the ability to collect rainwater and your demand, the preferable capacity normally being chosen on usage as there's no point in collecting water if you're not going to use it.

Also, and unlike most other tank applications, it is better to undersize the size of the tank rather than oversize as this has the benefit of allowing the tank to overflow (ideally at least twice a year) to flush out any floating debris.

For assistance in sizing please contact Marsh Industries. To help us with calculations it would be useful if you could provide details as to your property's location, roof type and size, and intended number of occupants.

### DELIVERY OPTIONS

Historically rainwater harvesting installations have been plagued by damaged or lost parts when nearing completion. To avoid this Marsh offers two delivery options:

#### OPTION 1 ONE SINGLE DELIVERY

Tank and components delivered together when you're in control and can guarantee safe keeping.

#### OPTION 2 TWO SEPARATE DELIVERIES

**Delivery 1** Tank delivery for installation during groundworks phase  
**Delivery 2** Component delivery in advance of electrical/plumbing

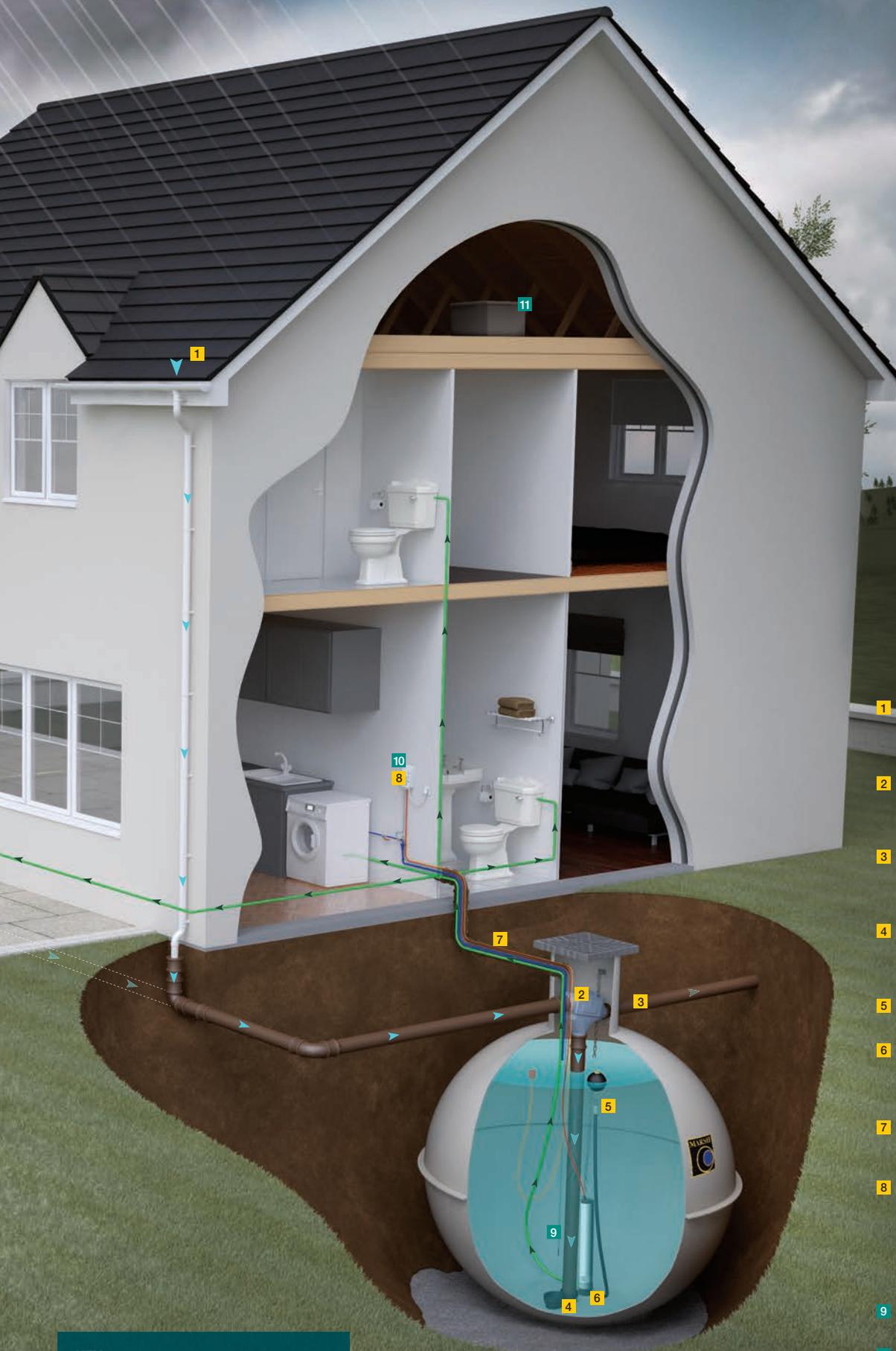
System payback is considerably extended when replacement parts have to be bought - look after your system and your system will look after you.



\* In some cases, water consumption can also dictate your waste water billing



BRITISH WATER



- 1 Rainwater capture**  
Rainwater runs off roof into downpipes and flows towards tank inlet
- 2 Filter assembly**  
Rainwater is filtered before entering tank to remove leaves, debris and contaminants
- 3 Overflow**  
Initial unfiltered water/debris flows to soakaway (via leaf filter), drain or surface water
- 4 Calmed inlet**  
Reduces water turbulence on entering tank chamber so any base silt remains undisturbed
- 5 Floating suction point**  
Draws clean water into pump
- 6 Stainless steel pump**  
Pumps recycled rainwater to household appliances, garden taps, and irrigation systems
- 7 Underground conduit**  
Carries pipework and electrical cables to and from tank
- 8 Household controller**  
Controls the distribution of rainwater from tank to household appliances. Also ensures tank is supplied with mains water if rainwater level too low. (RainCell Home & Garden)
- 9 'ELITE' level sensor probe**  
Detects the amount of water in tank
- 10 'ELITE' indicator panel**  
'Elite' option provides additional level indicator for visible display of tank volume
- 11 Header tank**  
Header tank version is available. Please contact Marsh Industries for details.

**KEY**

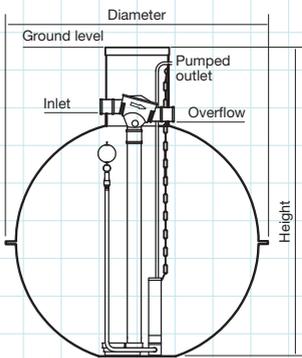
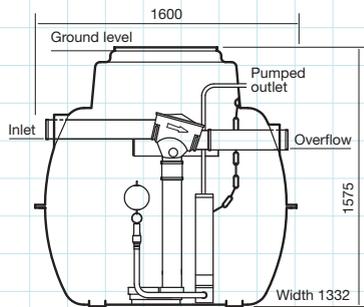
- Rainwater supply to household
- Mains water 'top-up' supply to tank
- Power supply to pump
- Level sensor probe

# SPECIFICATIONS >

## 1500 LITRE TANK

Size	1500L
Length	1600
Width	1332
Height	1575
Inlet	500 / Ø110
Overflow	562 / Ø110

All dimensions in mm



## 2800-4500 LITRE TANKS

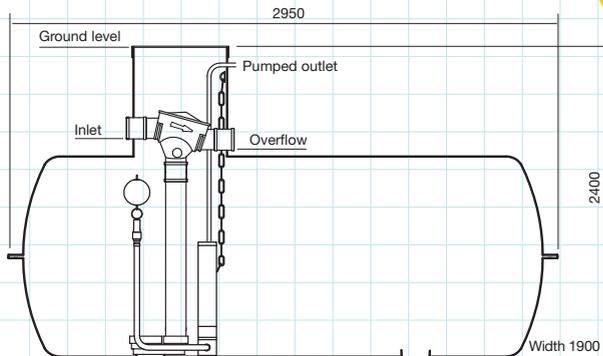
Size	Dia	Height	Inlet		Overflow	
			Invert	Ø	Invert	Ø
2800L	1870	2280	500	110	562	110
3800L	2075	2500	500	110	562	110
4500L	2196	2600	500	110	562	110

All dimensions in mm

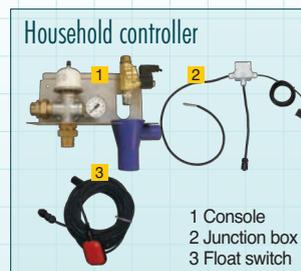
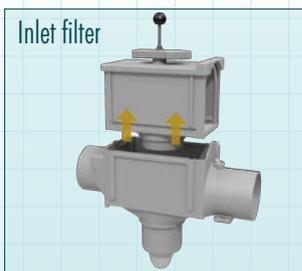
## 6000 LITRE TANK

Size	6000L
Length	2950
Width	1900
Height	2400
Inlet	500 / Ø110
Overflow	562 / Ø110

All dimensions in mm



## SYSTEM COMPONENTS



# MARSH INDUSTRIES >

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## RAINCELL TANK BENEFITS

- > Heavy duty shell as standard ensures tank integrity
- > Integral lifting eyes for improved on-site handling
- > Unique 'keying-in' lip to assist anchoring into granular or concrete surround
- > Self cleaning, easily accessed filter to improve water quality
- > Pressure sensitive, dry-run protected pump guarantees supply pressure. Automatically turns off when no demand or no rainwater detected
- > 'ELITE' option provides additional level indicator for visible display of tank volume

### Legislation

Complies with BS8515 Rainwater Harvesting Code of Practice and Building Regs (Parts G and H), and often vital to planning approval by assisting compliance to environmental guidelines such as The Code for Sustainable Homes and BREEAM.

## NEED A BIGGER TANK?

Larger capacity tanks up to 20000 litres are available for both domestic and commercial rainwater harvesting.



## OTHER PRODUCTS IN THE MARSH RANGE

- Commercial rainwater harvesting
- Sewage treatment plant
- Pump chambers
- Grease traps
- Septic tanks
- Cesspools

