

# KingspanWater

RainStore Above Ground Rainwater Harvesting Systems and Water Storage Tanks





# Potable & Non-Potable Water Tanks

Every KingspanWater Potable and Non-Potable water storage tank has been engineered to exceed the most demanding technical and regulatory requirements, providing the best water storage solution on the market.

All KingspanWater tanks are moulded as a one piece tank contributing to the strength and durability of our products. Backed by a 10 year warranty (conditions apply)\* your KingspanWater storage tanks will be an investment you can benefit from for many years.



## Potable & Non- Potable Tanks supplied with:

2" BSP male outlets fitted as standard which can be connected into copper, pex, hydrocare etc.

16" hinged access point to allow easy access for fitting of ballcocks, floats and extra outlets.

UV Stabilised material.

## Applications of Potable Tank

Water storage for domestic, agricultural or commercial premises with onsite borehole or well.

Static above ground installations only.

Animal drinking.

Vehicle washing.

Emergency human consumption.

\* All KingspanWater storage tanks must be installed and maintained by a competent person in accordance with manufacturer's instructions and prevailing statutory requirements. Kingspan Environmental Ltd. will not be responsible for installations that do not conform to these requirements.

## Potable Water Tanks

Specifically designed to store water for emergency human consumption or animal drinking, the KingspanWater potable water tanks are fully recyclable and meet UK Water Regulatory requirements. They must be installed on a firm, solid flat base and be fully supported.



V1300WP



V2500WP



V3600WP



V5000WP



V10000WP

Complete with Bye law 30 kit (screened breather and overflow connections).

### Technical Specification - Potable Tank Range

Tank	Capacity	Outlet	Diameter	Height
V1300WP	1300 Litres/ 285 Gallons	2" BSP Male	1210mm	1415mm
V2500WP	2500 Litres/ 550 Gallons	2" BSP Male	1635mm	1450mm
V3600WP	3600 Litres/ 800 Gallons	2" BSP Male	1885mm	1855mm
V5000WP	5000 Litres/ 1100 Gallons	2" BSP Male	2035mm	2265mm
V10000WP	10000 Litres/ 2200 Gallons	2" BSP Male	2630mm	2500mm

## Non-Potable Water Tanks

Designed as a basic water storage tank for non-drinking (not intended for human consumption) use such as vehicle washing, irrigations and washdowns. Must be installed on a firm, solid flat base and be fully supported.



V1300W



V2500W



V3600W



V5000W



V10000W

### Technical Specification - Non-Potable Tank Range

Tank	Capacity	Outlet	Diameter	Height
V1300W	1300 Litres/ 285 Gallons	2" BSP Male	1210mm	1415mm
V2500W	2500 Litres/ 550 Gallons	2" BSP Male	1635mm	1450mm
V3600W	3600 Litres/ 800 Gallons	2" BSP Male	1885mm	1855mm
V5000W	5000 Litres/ 1100 Gallons	2" BSP Male	2035mm	2265mm
V10000W	10000 Litres/ 2200 Gallons	2" BSP Male	2630mm	2500mm



# RainStore Above Ground Retrofit Rainwater Storage Systems

When you need a retrofitable large scale rainwater harvesting solution, the above ground RainStore systems are the best option available on the market.

The free standing tanks require no specialist installation and come in sizes that will really make a difference to metered properties and areas prone to water restrictions in summer months.

The **RainStore Range** of rotationally moulded storage tanks are tough, durable and built to last. These UV protected tanks feature on the Qualified Water Technology list and awarded the Waterwise Marque of Excellence in the UK



## Features

Simple roof area sizing criteria.

Plug and play systems.

Facility to link additional tanks as required.

Tough and durable rotomoulded construction.

UV protected.

## Benefits

Reduce water costs.

Reduce the impact of draught & hosepipe bans.

## Applications

Vehicle washing, washdowns and industrial processes.

Agricultural or horticultural irrigation.

# Rainwater Harvesting

## - Keep it Simple with Plug & Play Systems

The above ground RainStore rainwater storage tanks can be easily fitted to existing guttering of a building or incorporated in to new build plans. We provide a plug and play system that suits the level of storage you need to use.

Unlike most other rainwater harvesting kits available on the market we believe in keeping it simple with an all encompassing Plug and Play Package.

There are three basic steps to follow - all you have to do is:

Step 1

Choose your **Tank Capacity** based on roof area.

Step 2

Review **Standard System Components**.

Step 3

Select additional **System Options**.

Step 1

Choose your **Tank Capacity** based on roof area.



RSS0450

RSS0900

RSS1800

RSS2700

Choosing and ordering your RainStore System made simple.					
Code	Recommended Roof Size	Tank Dimensions			
		Diameter	Height	No. of Tanks	Outlet
Standard					
RSS0450 KSW	450m <sup>2</sup>	2035mm	2265mm	1	2" BSP Male
RSS0900 KSW	900m <sup>2</sup>	2630mm	2500mm	1	2" BSP Male
RSS1800 KSW	1800m <sup>2</sup>	2630mm	2500mm	2	2" BSP Male
RSS2700 KSW	2700m <sup>2</sup>	2630mm	2500mm	3	2" BSP Male

Disclaimer: Sizing based on 7 day storage and average rainfall of 800mm.

# Step 2

## Review Standard System Components.

### Mains Top Up Valve

Back up water supply control valve for rainwater collection.

### Integrated Leaf Filter

1. Rainwater enters filter chamber from gutter downpipe.
2. Debris caught in filter mesh.
3. Filter water enters tank via calmed inlet.

### Rainwater Inlet from roof

110mm rainwater inlet.

### Calmed Inlet

Calmed inlet at bottom of tank so incoming water does not disturb any settled sediment.

### Siphon Overflow

Siphon overflow located at the tank fill level skims off excess water and floating debris and returns to drain.



### RainStore Standard Package includes:

- Tank(s)
- Integrated Leaf Filter
- Calmed Inlet
- Siphon Overflow
- Rainwater Inlet from Roof
- 12" BSP Outlet
- Mains Top Up Valve

# Step 3

## Select additional System Options.

KingspanWater recognise the need to retain a bespoke approach to addressing a buildings need but also the advantages that packaging systems can offer the consumer in terms of ease, reliability and refinement.

That is why we offer additional system options outside of the core packages so that you can build the system that's right for you.

### Pump Choices

1. No pump required.
2. RainStore Standard submersible pump set kit.
3. RainStore Standard external pump set kit.

**RainStore**  
Submersible Pump Kit  
CODE: RSSKITS



**RainStore**  
Pump Set Kit  
CODE: RSSKITP



### U.V. Disinfection Systems

**UV (Ultra Violet) disinfection** of water is achieved by exposing the rainwater to radiation from UV light. This makes the harvested rainwater suitable for many applications that require higher levels of water quality.

This common method of disinfection works as the UV light penetrates an organism's cell walls and disrupts the cell's genetic material (DNA) making reproduction impossible.

UV systems are simple to install and require minimal maintenance or space. Improved safety, minimum service time, low operation and maintenance costs (and the absence of a chemical smell or taste in the finished water) are primary factors for selecting UV technology rather than traditional disinfection technologies.



### Service & Maintenance

**Kingspan Environmental Service** offers coverage throughout the UK from our team of fully qualified service engineers.

We pride ourselves on providing a consistently excellent service to our customers, a commitment reflected by our excellent retention rates from satisfied customers. We care about your investment and will work in partnership to ensure it performs to its optimum giving you a complete "peace of mind" solution.

If you are interested in a service package that gives you the following support then call **0845 355 0555** or email: **info@kingspanenvservice.com**:

- Annual service visits.
- Telephone assistance from our dedicated team of account managers.
- Free of charge call outs (due to fair wear and tear).
- Free replacement parts (due to fair wear and tear).





# Kingspan Water Solutions

## KingspanWater

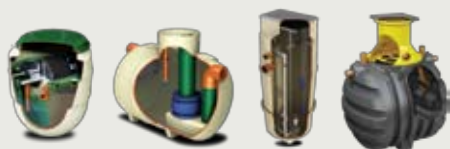
- Domestic Envireau Fully Integrated Rainwater Harvesting Systems
- RainTrap Below Ground Storage and Delivery System
- Potable and Non-potable Water Storage Tanks
- Above Ground Rainwater Harvesting Systems for Existing Building
- Domestic RainStore Waterbutts
- Filters, Monitoring and Accessories



## Kingspan Environmental portfolio includes:

### Klargester

- Sewage Treatment Plants
- Package Pump Stations
- Oil / Water Separators
- Septic and Storage Tanks
- Stormwater Attenuation



### TITAN ENVIRONMENTAL

- Bunded Oil and Fuel Storage
- Biofuel Storage and Dispensing
- AdBlue Storage and Dispensing
- Chemical and Water Treatment
- Spill Containment Solutions
- Recycling Banks
- Grit and Solid Fuel Containers
- Potable Water Tanks



### SENSOR systems

- Domestic Tank Level Monitoring
- Industrial Tank Level Monitoring
- Tank Management Systems
- Tank Alarm Systems
- Overfill Prevention Devices
- Refrigeration Control Panels



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