



Rainwater Management Systems



Manufacturer and Distributor of Rainwater Harvesting Products

Who We Are...

At RainWater Harvesting Ltd, we are proud to be one of the UK's leading manufacturers and suppliers of rainwater harvesting equipment.

During the last decade, our name has become synonymous within the industry for high quality, technologically advanced, British made products.

Our products have always differentiated themselves within the industry, with intelligent design and high quality manufacture. Because we engineer an original concept, develop it through CAD, tooling, build and take the end product to market, nobody understands our products better than we do.

Our advancements such as the **Rain Director®** and easy to install shallow dig tanks have made rainwater harvesting a better idea than ever. Making systems easier and more cost effective to install, the smarter and vastly more energy efficient to use.

Systems are provided as full 'turn key' kits, ready to install, delivered to your site with no hassles or unexpected extras. *

By holding all products ex-stock in our 60,000 sq ft premises, delivery is typically achieved within 3-5 days.

To assist with installation we have a full time, professional technical and after sales support team. This provides you with an important and invaluable resource if you or your builder has any questions when installing one of our systems.

Why Harvest Rainwater?

By using a rainwater harvesting system you will:

- Typically half your domestic water consumption, saving over 100,000L per year for a family.
- Save 50% on your metered water bills.
- Make your home more environmentally friendly, using rainwater rather than using mains water that has gone through an energy intensive filtration process, and pumped from miles away just to flush your toilet or water your lawn.
- Increase your chances of receiving planning permission (as environmentally friendly plans are looked upon favourably.)
- Protect your garden in a hosepipe ban. (As harvested water is exempt.)
- Benefit from non chlorinated, lime scale free rainwater. Helping plants grow, preventing toilet pan stains and protecting washing machines, whilst reducing the amounts of detergents needed.
- Prevent flooding. Rainwater harvesting acts as storm attenuation or SUDS. Alleviating stress on public drains.
- Benefit from surprisingly low running costs. Our award winning Rain Director® system is so efficient it costs less than 1p per person per day to run.
- Have minimal maintenance, typically just one visual filter check per year is necessary. Nothing needs replacing, nothing requires servicing.



Water is a more precious resource than you may have thought in Britain. Although it appears we have an abundance due to our temperate, rainy climate, per capita London has less drinking water than Istanbul or Madrid.

Past droughts and hosepipe bans have proved that Britain's infrastructure simply cannot cope with our increasing population's demand for water.

Garden System

Our rainwater harvesting garden system is designed for the gardener to collect, filter and store rainwater within an underground tank for all garden irrigation purposes.

A must for serious garden users, providing invaluable relief during hosepipe bans as well as reducing water bills.

When stored underground and filtered effectively, the rain water captured remains clean and fresh. The only visible part of the system is a lid at ground level, so no aesthetic appeal of your garden is lost.

Included in our garden system is our British manufactured HydroForce™ submersible pump. This can easily deliver 3.5 bar pressure, making it suitable for high pressure sprinklers, garden watering, car washing, and even pressure washing. The pump features pressure sensitivity, making it start when water is demanded, then automatically shut down thereafter. This means there is no switching the pump on and off after each use.

Rainwater harvesting systems are simpler and more cost effective than ever to install. Shallow dig tanks have dramatically reduced digging effort and the amount of earth removed. Systems have evolved to become simple and efficient to operate.

- Garden system to run sprinklers, hoses, irrigation systems
- No space taken up by ugly water butts or tanks
- Automatic pump operation
- Soft, chlorine free water giving plants optimal growing conditions
- Improve sustainability and reduce water bills





Direct Feed System



Our rainwater harvesting direct feed system is designed for the home owner to collect, filter and store rainwater within an underground tank for both domestic and garden irrigation purposes.

Rainwater is classed as non-potable, allowing water to be used for toilets and washing machines. Together with garden use, this equates to around 50% of a domestic water bill.

In this system, water is fed directly from the submersible pump in the underground tank to each appliance.

Due to the submersible pump featuring pressure sensitivity, whenever a toilet is flushed, the pump will register a drop in pressure, then pump until the cistern is full and automatically switch itself off again.

Should the rainwater tank ever run dry in drought periods, the system is provided with a mains water backup - the Rain Backup in a Box®. The system uses a level sensor in the tank to open a solenoid valve within the control unit to allow around 200L of mains water to enter the tank.

The mains water back up device used in our direct feed system is designed to deliver a small amount of mains water to ensure all domestic appliances are kept fully functioning during times when the underground rainwater tank has insufficient water due to lack of rain fall.

The size of tank for direct feed systems range between 1500 to 7500 litres. Sizing of the tank depends entirely on your usage and the level of drought protection you require for your garden. Please use our tank size calculator or give us a call for more information.



- Full domestic system
- No header tank required
- Simple install, for both new build and retrofit
- Lower purchase and installation costs



Rain Director® System



Our innovative low energy rainwater harvesting system, specified to nearly all customers when a small header tank can be situated in a loft space.

The system works by pumping from the underground tank, through a control unit, into a Smart Header Tank within the loft space. Water is then gravity fed to toilets and washing machines.

The Rain Director® has huge benefits over traditional systems. Most systems start and stop the pump every time the toilet is flushed, meaning the pump cycles 15-20 times per day.

The Rain Director® uses 6-8 times less energy than a traditional system by completely filling the Smart Header Tank, then not using the pump again until the Smart Header Tank is empty. This reduces pump cycles to around 1-2 per day, and therefore greatly reduces energy consumption and pump ware.



Should rainwater ever run low in the underground tank, the system automatically registers and delivers mains water directly to the Smart Header Tank. This means your toilets will work in every eventuality- low rainwater, pump failure or even power cut.

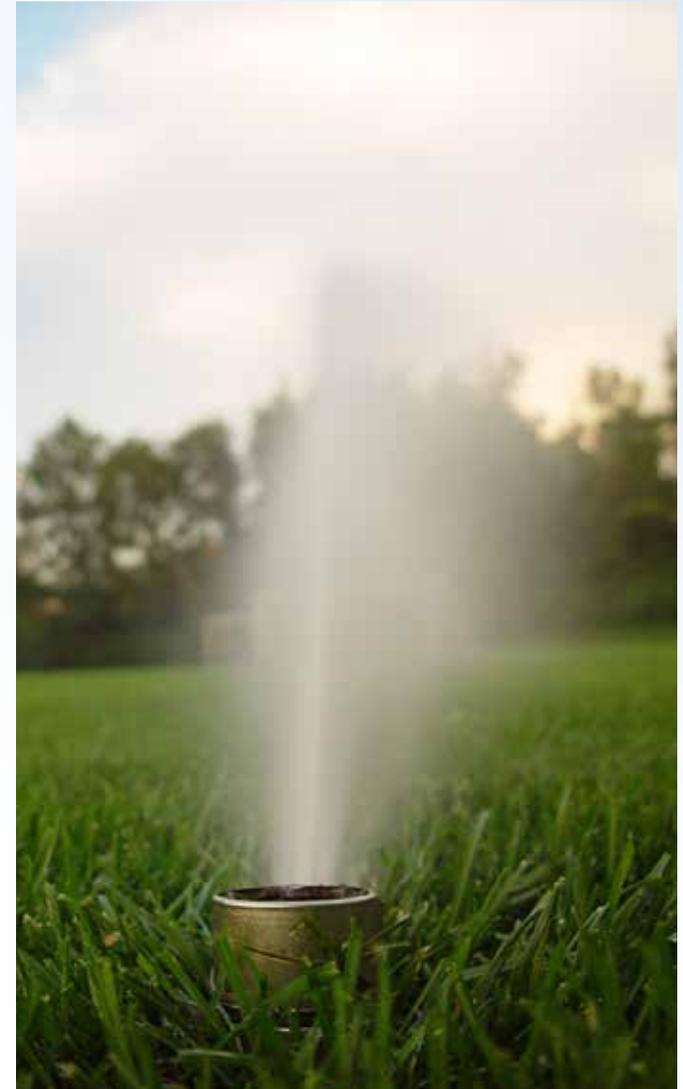
The system also features intelligence such as a “Mains Water Mode” to divert the home onto mains water, so rainwater can be conserved for the garden if hosepipe bans are being introduced.

Unlike any other gravity feed system, the Rain Director® also features a “Holiday Mode” recycling the water in the loft space every 3 days to prevent stagnation.

- Low energy system 6-8 times less energy than other systems
- Provides water in every eventuality- low rainwater, pump failure or even power cut
- Fully WRAS Approved
- Intelligent user functions
- Prevents water quality issues/stagnation
- Reduces pump wear
- Silent operation
- Plumber friendly push-fit connections and installation guide

Your Rainwater Harvesting checklist

- ✓ Is there a comprehensive tank size calculator to work out the size of tank required?
- ✓ What is included in the system? Does it include everything you need for a full install?
- ✓ Would you benefit from a shallow dig tank?
- ✓ Concrete free tank installation?
- ✓ Do you require a direct feed or gravity fed option?
- ✓ How much will the system cost to run? Is there a low energy option?
- ✓ Does the system have smart user functionality?
- ✓ Is the system WRAS approved?
- ✓ Is the system easy to maintain?
- ✓ Does the system come with easy to understand instructions?
- ✓ Does the system include a high quality pressure sensitive pump?
- ✓ Is full technical support included?



Contact Us

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