

Managing water wisely

Easy to install systems for
urban rainwater harvesting



Water Harvesting for Today's Challenges

Rising bills and the need to reduce the impact of our water demand on the environment are just two reasons why we should invest in rainwater harvesting and grey water recycling. The Code for Sustainable Homes, the BREEAM schemes and building regulations specify new building standards that prioritise the need to improve water management. We believe the adoption of water harvesting is a key technology that will help architects, developers and property owners increase water conservation and reduce surface water run-off, not only on new build but just as importantly, by retrofitting systems to existing property.

Water is an increasingly precious resource. Whilst we appear to have an abundant water supply, 97% of the 1.4 billion cubic kilometres of water on Earth is sea-water, 2.7% of the remaining 3% is permanently bound up in ice at the poles. This leaves only 0.3% of the Earth's water resources as usable fresh water.

Each person in the UK uses 150 litres of water a day, 70% more than 30 years ago.

One third of all water used in the home gets flushed down the toilet. Rainwater harvesting and grey water (shower, bath and wash basin) recycling systems can replace up to 50% of household mains water consumption, and up to 85% of consumption in light commercial property.

As the water industry is one of the largest emitters of CO₂e, by saving water we also help minimise our impact on the climate.

To talk to us about how these challenges affect you, call

0208 318 0957



www.halstedrain.com

Product range



www.halstedrain.com

Halsted Rain is a market leading supplier of urban rainwater harvesting and grey water recycling solutions. We offer a range of systems that integrate purpose designed tanks, filters, pumps and mains water top up units to provide permanent above ground systems that can be installed in a confined space. Our products are ideally suited for domestic and light commercial property particularly as a retrofit solution. Specialist individual components are also supplied separately.

Urban Rainwater Harvesting

Above ground rainwater harvesting systems purpose designed for the urban 'built up' environment are a new innovation in the UK and are widely used in other countries. These state-of-the-art modular systems are an attractive, practical and contemporary solution to managing and conserving water and blend seamlessly with modern and traditional building designs.

Urban rainwater harvesting systems are easy to install and maintain. Our range of proven products incorporate the best features of above ground rainwater harvesting design and is ideal for supplying water for toilet flushing, laundry and garden irrigation.

Rain falling on the roof is channelled via the existing gutters and down pipe to a filter which removes leaf litter and other debris before diverting the water to the storage tank. When a connected service demands water, the pump is activated to draw water from the tank. In the event that demand exceeds the available rainwater a mains water valve is automatically opened to partly refill the tank.

Site limitations mean that a rainwater harvesting scheme is sometimes a compromise between available space, utility and cost and 'Urban' systems provide a versatile solution that avoids the extensive civil works and disruption necessary for the installation of subterranean tanks.

Super Slim Wall Tank System

The complete entry level rainwater harvesting system for smaller property and installing in a confined space, incorporating a wall mounted tank, filter diverter, rainwater delivery pump and mains valve. Each tank stores 220 litres and the modular design enables several units to be interconnected to provide the required capacity.



Custom Designed Systems

Halsted Rain has a wide range of expertise in this sector and is affiliated to other leading manufacturers of water management products worldwide. Using these resources we offer custom designed solutions for small and medium sized applications including cellar, below decking and mezzanine installed systems.



Slim-line Tower Tank System

The complete all-in-one rainwater harvesting system for larger property with filter diverter, tower tank, rainwater delivery pump, controller, mains valve and garden tap at waist height. The base unit has a capacity of 1400 litres and add-on 700 litre tanks can be installed to increase the capacity if required.



Grey Water Recycling

A water-saving household generates about 55 litres of grey water per person a day. The Halsted Rain grey water diverter captures and filters bath, shower, wash basin and laundry water for use in garden irrigation. This simple, reliable and affordable solution when combined with an urban rainwater harvesting system, offers the optimum approach to collecting and reusing water in your home and business.



Working in Partnership

The Green House Project



Halsted Rain is a selected partner of Huntingdon District Council working towards a greener, healthier future for the borough.

The Green House Project is a scheme set up to demonstrate how properties can be refurbished affordably and easily to reduce carbon emissions and provide healthier homes that are more comfortable, cheaper and efficient to run.

The two properties in St Ives and St Neots provide an essential demonstration and educational resource for home owners, housing providers, tradesmen, local suppliers and educational establishments.

One of Halsted Rain's cost-effective, space saving and visually discreet rainwater harvesting systems has been installed at the St Ives house. The three innovative, retro-fit, super slim wall tanks sit neatly at the side of the property to collect rainwater from the rear elevation of the roof for use internally for flushing toilets. The Green House installation is designed to save 20% of main water consumption. The modularity of the system means that in the future it can be easily expanded by adding tank capacity, connecting more services and collecting water from the entire roof, not just the rear elevation.

Halsted Rain are proud to support this scheme which promotes the importance of sustainable refurbishment by providing easy access to advice, products, technologies and information to those planning on making improvements to their own properties.

For further reading please visit: www.greenhouseproject.co.uk



Halsted Rain offer unique, low cost reliable systems for domestic and light commercial use:

- No-fuss integration by a trade or competent DIY installer
- Above ground, retro-fit solutions
- Ideal when space is limited
- Durable and reliable.
- Modular, adaptable design
- On demand rainwater to connected services

For further information and local stockists:

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