



Saving on a rainy day

rainvault

Rain Harvesting Systems

Award Winning Rain Harvesting Systems

Residential • Commercial • Industrial • Public buildings • Agriculture



The Green Innovation
Award 2010



Innovation & Export
Award 2009



Best New Business
Award 2007

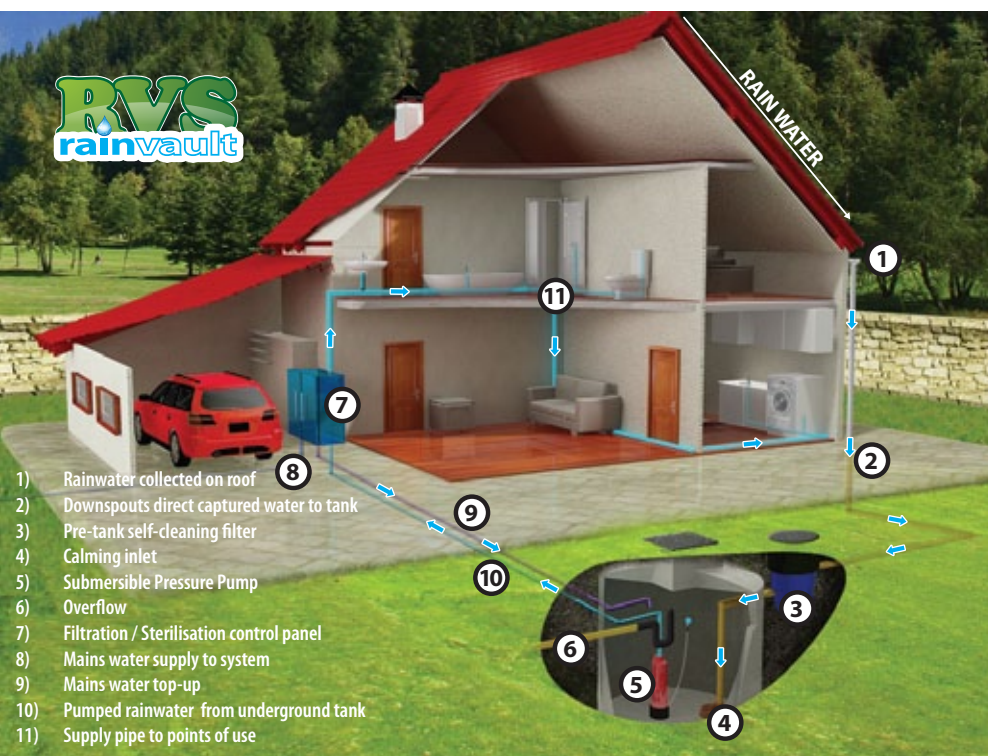
Key Benefits

- Reduce or eliminate inevitable water charges
- Water supply even if the mains water is off
- Minimal, low cost maintenance
- Reduces risk of flooding (Sustainable Urban Drainage system)
- Decreased demand on mains water reserve
- Back- up mains supply included in the system
- Reduces environmental impact - no chemicals used
- Low installation cost
- Provides soft water
- Gains credits for 'code for sustainable homes'
- Carbon footprint reduction

The use of soft water eliminates scale and increases life expectancy of appliance.

The British water association has estimated:

- The benefits of the use of soft water in the home could save the average 4-person household in the region of £200 each year.
- 1.6mm (1/16") of scale build-up in heating systems (due to use of hard water) will cause a 12% loss in heating efficiency.



- 1) Rainwater collected on roof
- 2) Downspouts direct captured water to tank
- 3) Pre-tank self-cleaning filter
- 4) Calming inlet
- 5) Submersible Pressure Pump
- 6) Overflow
- 7) Filtration / Sterilisation control panel
- 8) Mains water supply to system
- 9) Mains water top-up
- 10) Pumped rainwater from underground tank
- 11) Supply pipe to points of use



The **RVS1** uses filtration to treat the rainwater. This system offers water for toilet flushing, laundry, vehicle washing and general outdoor use.



The **RVS2*** employs triple filtration and sterilisation to treat the rainwater. This system supplies additional water for bathing, hair washing and household cleaning, as well as water for outdoor use.



The **RVS3*** is our premier system. Unlike the RVS1 and RVS2, this system can supply your property with drinking standard water, without the use of chemicals. The RVS3 avails of advanced filtration and sterilisation units to purify the water to provide your property with up to 100% of your water requirements.

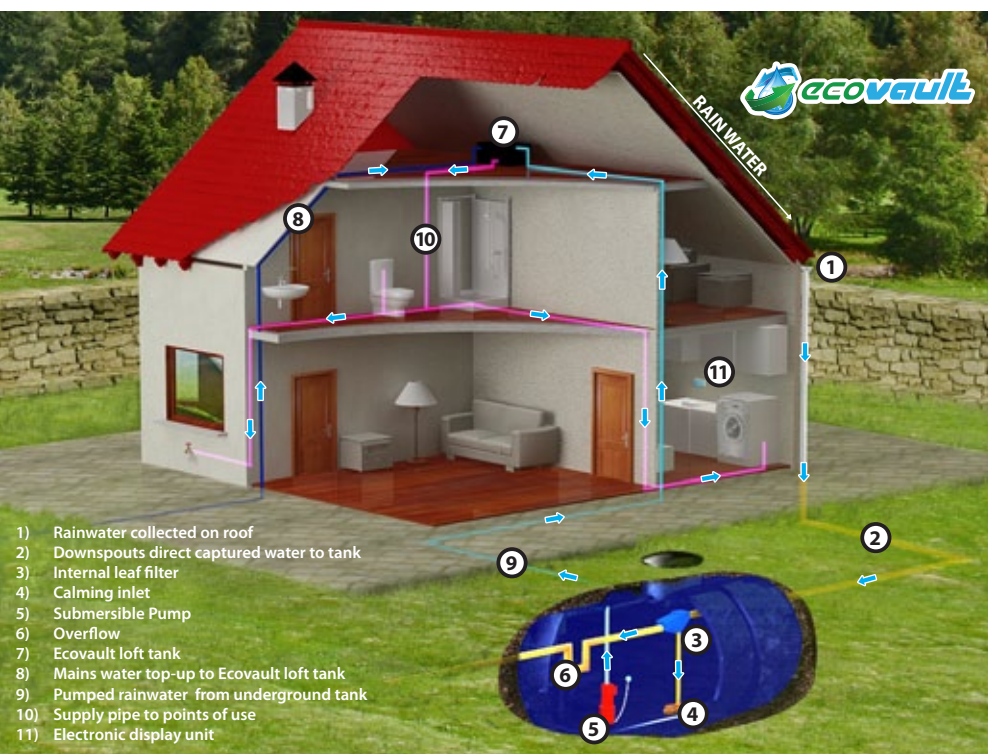
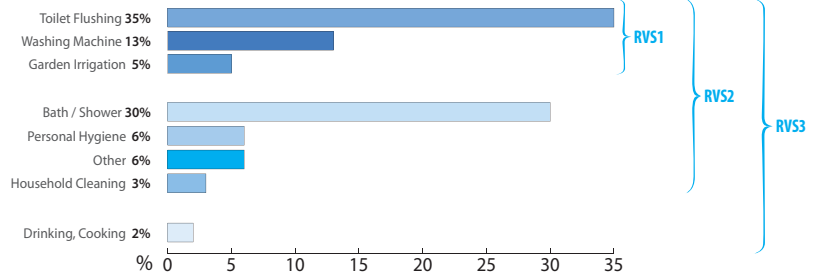
*Patent Pending

The RVS series can provide between 50% - 100% of domestic water requirement depending on the system installed and weather conditions.

**FUTURE PROOF AGAINST
WATER BILLS NOW!**

What is a Rainvault Rain Harvesting System?

Our rain harvesting system collects run-off rainwater from the roof, through the downpipes, filters out debris and stores it in an underground tank. The water is pumped through our panel before being distributed throughout the points of use within the dwelling, providing water saving solutions across all applications.



Why choose *ecovault* over traditional rain harvesting systems?

Unlike traditional rain harvesting systems, the *ecovault* system incorporates an i-smart gravity tank in the loft which has intelligent sensors to control the pump in the underground tank.

The header tank only refills once it's nearly empty, (whilst traditional rainwater systems make the pump start and stop every time any amount of water is used) This means wear on the pump and electricity usage are both massively reduced by using *ecovault*.

All system information is displayed in real time via an electronic display unit located at your chosen point in the building.

The *ecovault* system is fully automatic, changing onto the mains should there be insufficient rain water or a power failure.



Benefits of the *ecovault*

- Reduced strain on pump, therefore prolonged pump life
- Uses up to 70% less electricity, thus, significant savings on running costs
- Automatically switches onto mains should there be a power cut or insufficient rain water
- Comes complete with remote display unit incorporating warning lights, alarm and BMS output
- Can be installed by on site plumber
- Plastic or concrete tank options available in various sizes to accommodate all site constraints
- Perfect solution for social housing and multi-development sites with great savings available

The Eco-Vault is a fit-and-forget system, leaving you and your clients to get on with the more important things in life!

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