

Waternateck Rainwater Harvesting and Management Systems

What is Rainwater Harvesting?

Rainwater harvesting means the collection and management of nature's most precious gift, Rainwater! The key aim is to provide a healthy and economical water supply to all industrial and domestic applications.

How does it work?

Rainwater is collected from a surface collection area, usually roofing, through a piping and coarse filter system, then collected and stored in a purpose designed holding tank. Tanks are then kitted to service whatever need is required, i.e.: drinking water and culinary needs, farm or industrial applications, gardening etc.



Why use Rainwater instead of mains?

- Reduced demand on public supplies
- Reduction or Elimination of metered water charges
- Reduced spending on detergents and personal hygiene products
- Ecologically friendly
- Purification is carried out in situ, eliminating the use of cleansing chemical additives.
- Provides for added longevity of plumbing and appliances

Waternateck Profile

- Customer care, technical expertise and professional service are at the heart of all we do.
- We believe in doing our part to promote sustainable living, and to protect and respect the environment.
- Our objective is to point the way to cost effective options for water supplies that reach far beyond minimum codes and standards.
- Our leading consultant, Jodie McGowan has more than twenty five years experience in the water purification business. Jodie has extensive working knowledge in all areas of water processing i.e.: testing, risk analysis, recommendation for corrective procedure and installation of systems.
- In our **in house laboratory**, a resident scientist analyses water samples to determine bacteriological and mineral content. This testing determines precisely the concentration levels of minerals and/or contaminants. We then use this knowledge to design site specific water provision systems. When systems are operational, we re-test the water to ensure quality and peace of mind for the client. Samples are taken by Waternateck personnel. Results are available within 48 hours.



How clean is your water?

DOMESTIC & INDUSTRIAL APPLICATIONS

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Removal of: ✓ Lime ✓ Iron ✓ Manganese ✓ Sulphur ✓ Ammonia ✓ Nitrates ✓ E-Coli ✓ Coliforms ✓ all other bacteria

How to decide what system is suitable for you.

Waterteck Rainwater Harvesting system OR Waterteck Filtration system

Existing well water supply with hard water:

The most cost effective resolution is to install a water softening system such as an Ion exchange unit. This means that water is passed through a cylinder containing beads of ion exchange resin that attract and remove hardness minerals. The resin is then automatically cleaned by rinsing a specified amount of water softening salt through the cylinder. The salt water and hardness minerals are then flushed away in to a drain.

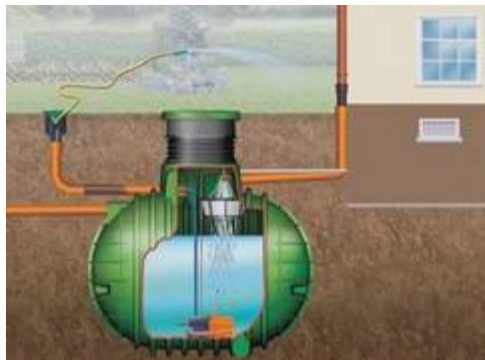
Many people choose to add a reverse osmosis unit to this process to desalinate water which is to be used for the kitchen.



Lime scale build-up in copper pipe

Mains water supply with hard water:

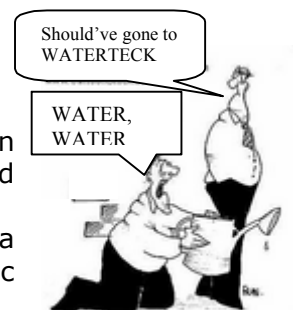
Almost always, in this case we recommend the installation of a **Waterteck Rainwater Harvesting system**. Rainwater tanks, ranging in capacity from 200 litres to 40,000 litres, are available at **Waterteck** and our experienced team will specify and fit a system to meet your specific needs. You will be assured a superior quality water supply and be enabled to reduce or eliminate metered water charges.



Underground and over ground tanks available

New build with no water supply:

Global predictions set out that by the EWA (European Water Association) lead us to understand that in the foreseeable future, our consumable water supply will be a scarce commodity. This is the result of huge quantities of pollutants being absorbed into the aquifer system over the decades. Here in Ireland, we are blessed with ample volumes of rain. Because rain is a natural superior quality water, a **Waterteck Rainwater Harvesting System** is the only intelligent choice for a new supply. Rainwater can be filtered for kitchen use as well as all other domestic applications.



Commercial Premises: Hotel, Factory, Farm etc

Waterteck Rainwater Harvesting systems are ideal in applications where there is a lot of collection surface available i.e: roofing. Rainwater systems can easily be tailored to meet whatever needs are required. In cases where a rainwater system is not feasible, Waterteck will be happy to provide a professional recommendation.



Member National Guild of Master Craftsmen