



ENGINEERED RAINWATER HARVESTING SYSTEMS

Toilet and Urinal Flushing

APPLICATIONS:

- MULTI-RESIDENTIAL
- MUNICIPAL BUILDINGS
- SCHOOLS
- COMMERCIAL BUILDINGS
- SPORTS COMPLEXES
- RESORTS AND HOTELS
- SHOPPING MALLS
- INSTITUTIONAL BUILDINGS

Rainwater for Toilet and Urinal Flushing

The volume of potable water use in commercial, institutional and multi-residential buildings is very dependent on a variety of factors including the local climate, type of building or use, irrigation requirements, heating and cooling equipment, whether there are kitchen or shower facilities, etc. However, water requirements for toilet and urinal flushing in commercial and institutional washroom facilities normally represent the highest percentage of water use in most situations.

Over the last decade, plumbing fixture manufacturers have made huge advances in designing high efficient, low flush toilets and urinals. By incorporating a Rainwater Harvesting (RWH) System from Net Zero Water in your project design, architects, engineers and building owners can now reduce or even eliminate the use of municipal potable water for toilet and urinal flushing.

BENEFITS OF A RAINWATER HARVESTING SYSTEM FROM NET ZERO WATER

- Extend the life of current ground or surface water resources
- Provide an easy solution to meet water balance requirements for any site development
- Incorporating RWH in project design and construction plays an important role in Low Impact Development (LID) and community sustainability planning
- LEED credits can be achieved through potable water reduction and meeting stormwater management runoff reduction criteria
- Create a favourable Return on Investment (ROI) by utilizing free rainwater against rapidly rising municipal water costs and associated fees
- Reduce the demand and stress on all aspects of municipal infrastructure including municipal water distribution and treatment, stormwater conveyance and retention, and potential stormsewer overflow events
- In some cases, naturally soft rainwater may reduce use of chemical or other cleaning agents

ENGINEERING MADE EASY

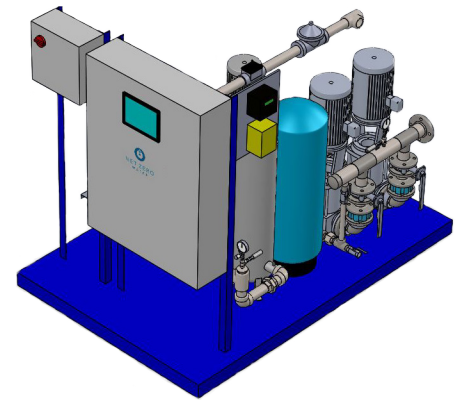
Complete Rainwater Harvesting Systems Designed for Toilet and Urinal Flushing

We make it simple for you. We understand the issues and Net Zero Water is your single source for concept, design, system assembly, service and support.

Our team's industry leading knowledge and experience is evident in everything we build. This is critical in order to bring pumps, water treatment and controls together in a highly functional and user friendly Rainwater Harvesting Package. Canadian owned and based in Fergus Ontario, Net Zero Water sources components primarily throughout North America ensuring the highest quality and support.

TOILET AND URINAL FLUSHING RAINWATER PACKAGE FEATURES

- Compact package for quick and easy installation
- Modular design for indoor installation with limited space
- Fully integrated & programmed to run as required
- Designed with appropriate filtration and disinfection for toilet and urinal flushing application
- Control panel includes 7" colour touch screen and PLC controls
- Variable Frequency Drive for economical pump speed control
- Compatible with most Building Automation Systems
- Above or below ground cistern collection tanks



CAPABILITIES & DELIVERABLES

- Package is hydrostatically tested and ESA certified
- System is set and tested to your site specific installation
- Complete design and specifications available
- Solidworks 3D drawings, process and instrumentation P&ID drawings
- Operations and maintenance manuals
- Start-up, commissioning and training
- Complete system maintenance and service programs available
- Remote access for data logging, troubleshooting, etc. is also available

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