



WaterSaver
Technologies

*A new wave
in water conservation*

News Release

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Conserve resources: water and your money ***Water saving AQUUS™ unveiled at AWWA conference***

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ALBUQUERQUE (Feb. 6, 2006)—Citing water reuse as the world's greatest untapped natural resource, WaterSaver Technologies today introduced the AQUUS which reuses water that drains from bathroom sinks to flush toilets. The AQUUS was unveiled to North America's water professionals at the American Water Works Association's 2006 Water Sources Conference and Exposition.

The patented AQUUS system captures water from bathroom sinks, filters and disinfects it, and pumps it into toilet tanks. The AQUUS was designed for easy installation to existing fixtures and low maintenance, filling a void among consumer water conservation products.

Conserving water has become more important as water utilities throughout the U.S. restrict usage and increase rates. With 74 percent of all home water usage in bathrooms, the AQUUS helps save money in reduced water consumption charges and wastewater or sewer fees (typically based on water volume used).

AQUUS works in conjunction with existing plumbing

The two-part AQUUS is hardly noticeable and does not alter the normal operation of sinks and toilets. The AQUUS reservoir tucks beneath existing sinks and works in conjunction with typical pipe fixtures to hold up to 5 ½ gallons of water that drains from the sink.

A filter keeps hair and other solids from entering the toilet. Disinfection tablets control bacteria and other contaminants.

Inside the toilet tank, the AQUUS fill control unit keeps fresh water from filling the tank by holding the fill valve in the off position. That allows captured water held in the reservoir under the sink to fill the toilet tank. A water hose

- More -

connects the reservoir to the fill control unit, using gravity, water pressure and a small electrical pump to move water from the vanity to the toilet.

At a suggested retail cost of \$195 for one residential bathroom, AQUUS comes with all the parts needed and takes one to two hours to install.

Tests prove savings

AQUS can reduce metered water usage in a two-person household by about 10 to 20 gallons a day—or approximately 5,000 gallons a year, according to Mark Sanders, WaterSaver Technologies' chairman and AQUUS inventor. Added savings also come from reduced wastewater volumes at homes served by sewers. After developing the first prototype in 1999, WaterSaver Technologies perfected the product and installed test systems in Colorado, Kentucky and New Mexico homes and offices.

Results of these tests were promising, with water savings ranging from 3 to 20 gallons a day. None of the participants reported interruptions or changes in flushing.

WaterSaver Technologies moved forward with plans to mass-produce the AQUUS, contracting with Louisville, Kentucky-based Hi-Tech Mold and Tool, LLC in 2005 to build the molds and make the product.

Sanders said the company also plans to design and build shower and tub systems, complete in-home systems, and systems to serve multi-family and other commercial structures.

Reuse is acceptable

Although low-flow toilets and showerheads are on the market, Sanders said he's not aware of another small-scale system that captures and reuses water from bathroom sinks to flush toilets. Reusing water that has been used in a lavatory sink, shower, bathtub or clothes washer is acceptable for a variety of uses, particularly in states where strict water-conservation measures are in place.

According to published data, all of the fresh water used in a lavatory sink—up to 20 gallons a day in the average household—is reusable, Sanders said. "Using fresh water to flush the toilet is both unnecessary and wasteful," he said. About 5 percent of all domestic water consumption runs from the lavatory faucet into the sink, and eventually into the sewer. About 40 percent of all domestic water consumed is used to flush toilets.

That's more than 4.8 billion gallons of water flushed down U.S. toilets each day, according to the U.S. Environmental Protection Agency's Office of Water. The American Water Works Association estimates that if water-saving features were installed in every U.S. household, water use would decrease by 30 percent. That would reduce daily water used by about 5.4 billion gallons, resulting in \$11.3 million dollar-volume savings a day.

About WaterSaver Technologies

Founded in 2001, WaterSaver Technologies is dedicated to preserving natural resources and saving customers money through innovations in water conservation. For more information about our company, please visit www.watersavertech.com

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Fast Facts

AQUS is certified by: International Association of Plumbing and Mechanical Officials (*IAPMO classified listing in progress*)
Underwriters Laboratories
(*UL seal of approval in progress*)

Product Specifications

Reservoir	Size: 13 ½ x 15 ½ x 8 inches Volume: 5 ½ gallons
Electrical	Low voltage 12V DC
Fill control unit	patent #6,276,005 <i>Requires minimum 1.6 gallon toilet tank with ball cock</i>
Tubing	3/8 inch
Pump	12V DC centrifugal submersible Average flow rate: 1.6 gallon per 72 seconds
Suggested Retail	\$195.00

Savings Forecast A two-person household using the AQUS in one bathroom for one year could potentially save 5,000 gallons of fresh water. Additional savings are realized from a reduction in wastewater treatment charges, which are based on water-usage volumes.

WaterSaver Technologies, LLC is a proud member of:

American Water Works Association
Association of Independent of Manufacturers/Representatives
California Urban Water Conservation Council
U.S. Green Building Council

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