

A dynamic splash of clear water falling from the top right corner, creating a large, energetic splash that spreads across the middle of the page. The water is captured in mid-air, with many small droplets and bubbles visible.

AQUS®

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Innovative
water reuse
system
recycles sink
water for
flushing

SLOAN®
The Water Efficiency Company



AQUS®

The AQUS® system saves water by capturing sink water and reusing it for toilet flushing.

About 40% of all domestic water consumed is used to flush toilets. Using fresh water to flush toilets is both unnecessary and wasteful. There is a better way.

Sloan's AQUS system offers a revolutionary means for building owners to realize sustainable bathroom solutions. The system captures used bathroom sink water and routes it to toilets, thereby saving fresh water from being wasted on flushing.

Features:

- Collects water as it flows down sink drain, cleans it and passes it to reservoir tank for on-demand toilet flushing.
- Chlorine tablets control bacteria and other contaminants (purchased separately).
- Works with most toilets, including dual-flush toilets and one-piece toilets.
- Uniform Plumbing Code product listing (#5129).
- Toilet and sink must be within 25 feet of one another for pump to operate effectively.
- Discharge tubes and wires can be run through the wall between the sink and toilet or covered along the baseboard with a hollow channel (purchased separately).
- Vanity reservoir can be recessed by 4" into the vanity floor to minimize cabinet space usage.

Benefits:

- Saves thousands of gallons of water annually.
- Significantly reduces potable water demand.
- Convenient water treatment through use of chlorine tablets.
- Easy maintenance.

The AQUS system is ideal for:

- Office buildings
- Government facilities, including military base housing
- Hotels
- Single-family homes
- Apartment buildings and other multi-family residences
- University dorm rooms
- Other eco-minded properties



How it Works

The AQUUS system cleans and filters water that flows down standard sink drains. Water is held in a reservoir installed in the vanity below the sink. When the toilet flushes, water is piped from the reservoir to the toilet tank.

- 1 Water flows through standard tubing that is included with the system.
- 2 Water passes over chlorine tablets, which control bacteria and other contaminants.
- 3 The screen filters out hair and other objects.
- 4 The reservoir holds up to 5½ gallons of water.
- 5 When the toilet is flushed, a level sensor in the toilet tank will detect it and turn on the 12-volt pump.
- 6 The reused water will fill the toilet tank through an inlet adapter.
- 7 When the toilet is flushed, the toilet's fill valve will also run potable water to refill the toilet tank.
- 8 The flow rate of the fill valve is restricted. The toilet tank will be refilled with approximately 65% reused water and 35% fresh water.
- 9 The leveling clip stabilizes the tank lid.

Frequently Asked Questions:

Q: EXCESS WATER. What if the reservoir tank receives more water from the sink than it can hold?

A: As soon as the reservoir tank reaches capacity the extra water exits through the toilet drainline.

Q: TOO LITTLE WATER. What happens if there is not enough water in the reservoir for flushing?

A: The system uses a combination of reservoir water and fresh water to fill the toilet. If the reservoir tank is empty, the fresh water supply will complete the toilet fill cycle.

Q: TOILET COMPATIBILITY. Does the AQUUS work with all toilets?

A: The AQUUS works with most existing toilets, including dual-flush and one-piece toilets.

Q: DOUBLE-SINK APPLICATION. How does the system work in a double-sink set-up?

A: The inlet plumbing can be configured to join both drainlines prior to entering the reservoir.

Q: CERTIFICATIONS. Is the AQUUS certified?

A: Yes, the AQUUS has a full Uniform Plumbing Code product listing (#5129).

Q: DISTANCE BETWEEN FIXTURES. What if my sink and toilet are not beside each other?

A: That's OK. The pump inside the AQUUS reservoir is effective up to 25 feet.

Q: COVERING TUBES AND WIRES. Can the tube and wires between the vanity and toilet be hidden?

A: Yes, frequently the hose and wires are run inside the wall between the two fixtures. Or you may choose to purchase a hollow channel to conceal the hose and wires along the baseboard.

Q: LOSS OF VANITY SPACE. How can I minimize the space that the reservoir takes up in the vanity?

A: The reservoir can be recessed into the vanity kick plate to regain about half of the space.

Q: CHLORINE TABLET DURATION: How often do I need to change/replace the chlorine tablet?

A: The chlorine tablet should be replenished annually, along with cleaning the filter.

Q: PROFESSIONAL HELP: Do I need a professional plumber to install the AQUUS?

A: Retaining a licensed plumber to install the AQUUS is highly recommended. However, if you are comfortable installing a toilet, then you can install the AQUUS.

A Leader in Green Building Products

Sloan AQUUS was given the *2010 Top 10 Green Building Products Award* by Sustainable Industries based on environmental performance, scalability/market impact, innovativeness, design aesthetics, value, and compatibility with the U.S. Green Building Council's Leadership in Energy and Environmental Design (LEED®) rating system. AQUUS also received EcoHome Magazine's *2009 Editors' Choice Award for Innovation and Leadership in Green Building Products*.

Sloan is at the forefront of providing sustainable restroom solutions by manufacturing water- and energy-efficient products such as Flushometers, electronic faucets, soap dispensers and vitreous china fixtures for commercial, industrial and institutional markets worldwide. Headquartered in Franklin Park, Illinois, Sloan Valve Company is the world's leading manufacturer of water-efficient commercial plumbing systems and has been in operation since 1906.

For more information on any Sloan product or on your local distributor, contact:

The logo for Sloan Valve Company, featuring the word "SLOAN" in a bold, blue, sans-serif font. The letter "A" is stylized with a green horizontal bar through its center. A registered trademark symbol (®) is located to the right of the word.

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