



Applications

Direct Recharge
in areas with high water tables and stringent regulations

Industrial Water Reuse
cooling towers, wash-down, & process water

Agricultural Irrigation

Landscape Irrigation
parks, golf courses, sports fields, public gardens, & residential lawns

Decorative Fountains, Ponds, and Lagoons

Fire Fighting
water for fire trucks, storage tanks, hydrants, & sprinkler systems

Other Uses
dust control, cement preparation and wash-down, sewer-flushing, & more

SewaClear® Wastewater Polishing Systems

Complete, efficient tertiary
water treatment systems available in
compact packages for water reuse.



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designing, manufacturing,
installing, and commissioning
treatment plants to turn
ground water, surface water, or
wastewater into the
quality of water you need



SewaClear® Wastewater Recycling

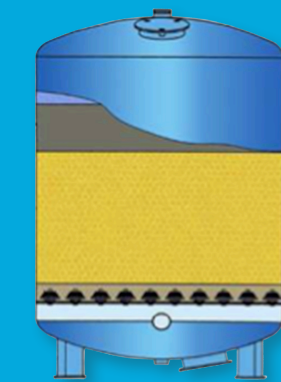
Due to the world water crisis, countries and global organizations are actively seeking solutions for reusable water.

As world populations require both more clean water and better ways of disposing of wastewater, the demand for water reclamation is a growing need globally.

SewaClear® is a compact, skid-mounted, fully-automated system. It is designed to reclaim secondary effluent and industrial wastewater for reuse in many applications.

By 2027, the volume of recycled water produced in the United States is projected to increase 37% from 4.8 billion gallons per day to 6.6 billion gallons per day.

Bluefield Research
wateruse.org



Filtration Nozzle

Nozzle Layout

The APW Difference:

Atlanta Pure Water's (APW) unique design incorporates a double chamber construction separated by a welded reinforced steel plate. The upper chamber contains the filtration media, and the lower chamber collects filtered water.

The divider plate is arranged with a dense pattern of slotted conical diffusers providing even water flow.

Our double chamber construction insures better long-term filtration by:

- Guaranteeing uniform dispersion of water during filtration and backwash.
- Ensuring effective backwashing of the whole media volume by fluidizing and turbulent expansion of the media, which flushes out the entrapped debris and impurities.
- Activating the entire Media in the filter preventing water channeling and media caking of the filtration bed, as well as preventing the growing of bacteria.

These advantages enable the filter to more effectively manage heavy particulate loads, achieve superior filtration results, and extend media life.

Technical Data:

Raw water - Secondary effluent		Treated water	
B.O.D.	20	B.O.D.	≤ 5
T.S.S.	30	T.S.S.	≤ 5

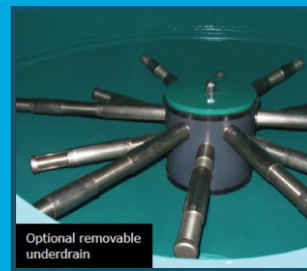
Benefits:

- Complete, efficient water treatment system available in a compact package
- Fast and easy installation
- Recovery rate over 97%
- 24/7 fully automated system
- High quality components ensure reliability and low operating costs
- Energy saving, inline flushing mechanism to backwash filters
- Short cleaning cycles minimize downstream flow interruptions
- All components are weather-proof
- Meets California's Title 22 Water Reuse requirements

nozzles are arranged in a symmetrical, evenly spaced configuration for optimum coverage and efficiency



APW Double Chamber Media Filter



Other Manufacturers One Chamber Media Filter



Systems customized to meet a range of flows from large to small.