

DANIEL-LM s.r.o. | AquaTech North Bohemia

ACPoo1 NEW

Advanced continuous water & heat recycling
with passive 24/7 disinfection for hotels,
wellness, and public pools

Unique 5-in-1 System for Your Facility

Continuous water quality care without fluctuations or unnecessary losses



80% Water & Heat Savings —

Continuous purification of circulating water without heat loss. Significant reduction in fresh water reheating costs.



Elimination of Combined Chlorine & TOC —

Control of chlorates, nitrates, and organic matter. Removal of chlorine odour and eye/skin irritation for guests.



Passive Disinfection (Log 6-7) —

Non-chemical suppression of chlorine-resistant viruses and bacteria by 6 to 7 orders of magnitude. Maximum health safety for your visitors.



Enhanced Sand Filtration Efficiency —

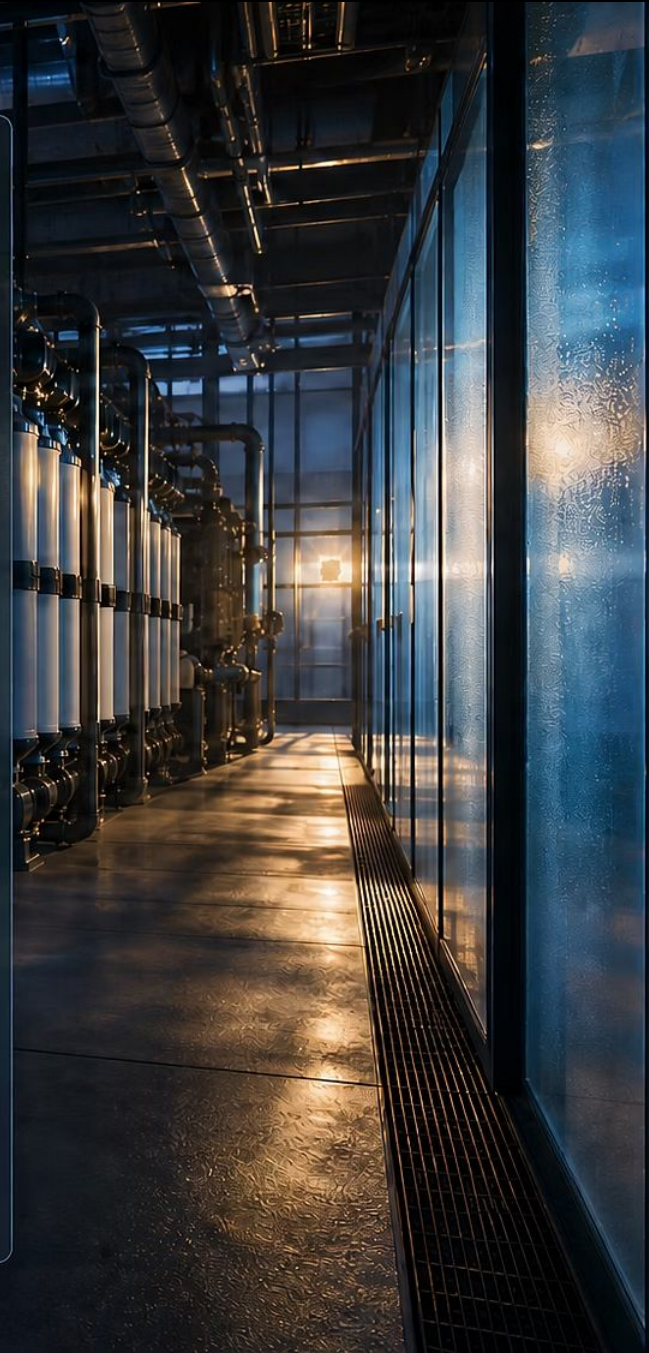
Waste stream is used for effective backwashing of filters.

24/7 Continuous Purification Technology

Unlike conventional practices of evening water exchange during filter backwashing, AquaTech ACPool NEW operates 24/7. Pool water quality remains constant throughout the day — guests are never bathing in the most heavily loaded water in the evening.

Key Operational Features:

- **Compact Design:** Ideal for existing installations and spaces with limited floor area.
- **Automated Management & I&C:** Remote control and scheduled automated operation available.
- **Low Maintenance:** Minimal operational demands and fast return on investment — even without subsidies.



Multi-Stage Treatment Process

1. | Mechanical filtration and adsorption pre-treatment

2. | Catalytic decomposition of combined chlorine on a nanostructured adsorbent

3. | Membrane purification (Reverse osmosis with advanced CNT modification)

4. | Automated CIP cycle (in-place membrane cleaning every 3 months)

5. | Reuse of the RO concentrate stream for sand filter backwashing – zero fresh-water loss

Custom Engineering for Your Operation

Bespoke development: You are not buying a compromise. Drawing on our proven expertise, we configure the optimal nanofibre ratio and density for your specific application.

- Precise sizing for any pool installation scale — from boutique hotels to large aquatic parks.
- Complimentary technical and economic feasibility study prior to implementation.
- Full warranty and post-warranty service provided by the AquaTech North Bohemia team.



We Will Prepare a Complimentary Savings Analysis for You

Contact our technical advisors and transform your facility into a sustainable, cost-efficient operation.

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