

Bellvue, WA, Pro Club transforms pool systems with Xylem's aquatics technology

Cleaner water, smarter systems, zero disruption

Pro Club, a premier wellness destination in Bellevue, Washington, is renowned for its commitment to excellence. Serving influential professionals, the club's facilities include a 45,000-gallon main pool that sees over 30,000 visits monthly. Maintaining pristine water quality and a clean, odor-free environment is critical to meeting member expectations.

Challenge

In 2023, the club's aging pool filtration system began to falter. Water clarity was declining, chemical use was high, and the outdated UV disinfection units struggled to manage air quality. With the holiday season approaching, Pro Club faced a critical challenge: upgrading its systems within a tight seven-day window to minimize disruption to members.

Solution

To tackle these challenges, Pro Club partnered with Orca Pacific and Xylem's Neptune Benson team to implement a cutting-edge solution. The upgrade included Defender® Regenerative Media Filters, which replaced three traditional sand filters, reducing the system footprint by over 50% while capturing particles as small as 1 micron for superior water clarity. Additionally, Wafer® UV Disinfection Systems were installed, offering a compact and efficient design that significantly improved air quality by reducing chloramines. These systems also featured real-time monitoring capabilities, ensuring seamless operation and maintenance.

Results

The results of the upgrade were transformative for Pro Club. The new system conserves an impressive 520,000 gallons of water annually—enough to fill the main pool 10 times over. Cost savings were equally



Customer

Pro Club, Bellevue, Washington

Challenge

Aging pool systems struggling with water clarity, air quality, and high chemical use, with only seven days for upgrades.

Xylem solution

Defender filters and Wafer UV systems improved water clarity, reduced chloramines, and saved 520,000 gallons of water annually, all within a seven-day installation window.



A close-up of the compact and efficient Wafer UV Disinfection System, ensuring superior air quality and reduced chloramines.

significant, with annual reductions of \$29,000 in water costs, \$54,000 in discharge costs, \$39,000 in energy bills, \$2,000 in chemical costs, and \$10,000 in sand replacement. Air quality also saw a dramatic improvement, as chloramine levels were drastically reduced, eliminating harsh odors and creating a more pleasant environment for members. Additionally, the club reclaimed valuable space in the mechanical room, improving operational efficiency and allowing for easier maintenance and future flexibility.

“The success of this retrofit proves that even the most sophisticated facilities can achieve top-tier upgrades in tight timeframes. With the right partners and technology, transformation is possible.”

Orca Pacific Team

Conclusion

Pro Club’s seven-day transformation demonstrates the power of smart planning, seamless partnerships, and proven technology. The project not only delivered immediate improvements in water clarity, air quality, and operational efficiency but also set a new standard for rapid, high-impact upgrades in the aquatics industry. With Xylem’s advanced solutions, Pro Club is now a reference site for future projects, showcasing what’s possible under tight timelines and exacting standards.