

Customer Success Stories



Jersey Wahoos controls chloramine levels in 160,000-gallon training pool with the help of a ChlorKing SAG720A Sentry UV system. The pool has not been closed for chloramine issues since the system was installed.

Sentry UV Lights Keep Jersey Wahoos' Swimmers in the Water

It's virtually impossible to train Olympic swimmers when the local board of health shuts down your pool because of chloramine issues. And, it's hard for swimmers to maintain their training routines when respiratory problems from chloramine issues shut them down. But chloramines haven't been a problem for the Jersey Wahoos, Voorhees, NJ, outside Philadelphia, since 2002, when they installed ChlorKing Sentry UV systems with dual output lamp technology.

"We've kept the pool well above the board of health requirements," said John Carroll, "and we haven't had any calls from moms and dads about their kids having to go on inhalers because of respiratory problems."

Carroll, who serves Jersey Wahoos as head coach and manager, said the Sentry solution was the suggestion of Rick Marschall, who covers South Jersey for Treatment Specialties, a ChlorKing distributor serving New Jersey.

“We had something that wasn’t working, and when Rick suggested the Sentry UV, we bought the SAG720A for our 160,000-gallon main pool very quickly,” Carroll said.

“They had an under-sized system that couldn’t do the job,” Marschall said. “They couldn’t get their chloramine levels below 0.3, and most of the time they were at 0.5. We like to install a UV system that’s slightly oversized based on the gallons-per-minute the system needs to treat. Our experience shows it works much better that way.”

For Jersey Wahoos, the new Sentry UV system reduced to chloramine levels to 0.1 in five days, and nobody has looked back.

The 720A uses low-pressure, high-output amalgam UV technology to achieve 4-log reduction for the inactivation of cryptosporidium and other chlorine resistant bacteria found in swimming pools and spas. The system is built with 316L stainless steel and is electropolished for a highly reflective interior. The SAG 720A is designed with a patent-pending quick-disconnect sleeve assembly for removal, replacement or repair. It can be installed horizontally or vertically to fit in most existing pump rooms.

“We had to angle it at 450 to fit our piping system, and it’s worked perfectly ever since,” he added. “We added a smaller SAG20APVC for 30,000-gallon lesson pool.”

The SAG 240APVC is built with schedule 80 PVC and lined with the same 316L stainless steel for maximum reflectivity.

Sentry ultraviolet light systems use dual output lamp technology to meet two needs at the same time. While UV is produced at 254nm, ozone is also produced at 185nm, adding to the sanitization of the water flowing through the chamber. This additional sanitizer helps reduce the amount of chlorine a pool or spa requires.

“New Jersey requires indoor and outdoor pools to meet the same requirement, which makes it more difficult for us,” he added, “but it hasn’t been a problem. We’re well under the limits.”

Marschall, who has been in the pool business since 1986, when he joined a family business that’s now 54 years old, said the problem is typical for indoor pools, and he traces it back to when the owners and operators of indoor pools began to seal windows for energy efficiency.

“With no ventilation to remove odors, you got a really bad smell because of all the sweat and urine mixing with the chlorine,” he said. “The solution was to create some sort of cross-ventilation system and super chlorinate the water, but that caused other problems, if super chlorination did not reach the breakpoint. You could have a pool that was hosting a meet, and the chloramine problem kick in halfway through the meet, causing some swimmers to cough. The UV solution works much better, 24 hours a day, removing chloramines and harmful bacteria.”

Keeping the pool operating 18 hours a day is a must for Jersey Wahoos. Lap swimmers get the day started at 4:45 every morning, and as the day moves along, there are swim-school lessons for 500 children per week and swim team sessions from 3 to 10 p.m. with swimmers as young as 5 years old in pre-competition training through competition training for a variety of age and skill levels, including adults. Eight lifeguard classes during the year certify some 200 students. Carroll is looking to start a water polo program in the near future.

But it’s the swim teams that have kept the interest and membership high for Jersey Wahoos, which was formed by the parents of competition swimmers in 1973. Carroll has been the program’s head coach since 1987, and in that time, Olympians Sean Killion (1992 Barcelona, 400m and 1500m freestyle) and Peter Wright (1996 Atlanta, 1500m freestyle) competed and trained there. Wright took a year off from his studies at the University of Virginia to train at the pool.



The 30,000-gallon lessons pool is protected from chloramines by a ChlorKing SAG240APVC Sentry UV system.

Today, Carroll notes, the college programs have top-flight facilities and work hard to keep their top competitors and Olympic hopefuls on campus. Still, Wahoos alumni have made it to Olympics qualifier events, and dozens are swimming in college competition. Nineteen members of the Class of 2017 have college commitments, and 14 members of the previous year's class are swimming in college.

"We have assistant coaches from colleges at all of our meets," said Carroll, who swam collegiately at Glassboro State College, now Rowan University, in New Jersey before coming to Wahoos. "They look at our meet results and see who's making an impact. For some kids, that's the key to getting into the college they want, and we have 13 graduates this year who are getting consideration for athletic or academic scholarships."

Those results add up to a feel-good story for Jersey Wahoos swimmers and parents, but the bottom-line good feeling is that ChlorKing's Sentry UV lights keep the pool water healthy so that swimmers never miss a stroke.

Vimeo Video Link

<https://vimeo.com/188852034>