



Pulsar® Precision Feeders Selected For Chlorination Duty

At U.S. Swim Team Trials Next Month

Two swimming pools currently under construction will rely on the new calcium hypochlorite feed system from Sigura to hold disinfection levels constant during 12 days of intense competition

Swimming trials for the 2021 Tokyo Summer Games begin June 4th. Two temporary Olympic-size pools are currently being constructed at Omaha's CHI Health Center, the site of the trials, and they will be in rigorous use during the 12 days of intense competition next month. To comply with the needs of the competitors, the pools will be operated using some of the most advanced water chemistry technologies available -- including regenerative media filtration, ultraviolet disinfection and demand-based chlorination using Pulsar® Precision calcium hypochlorite feed systems from Sigura.

The continuous thrashing of the water and the perspiration of the athletes will require continuous chlorination to maintain the appropriate chlorine residual during the trials. Spear Corporation, Roachdale, IN, is overseeing all piping and mechanical systems related to the two pools, and is responsible for ensuring that pool water chemistry meets the highest quality standards. The company has selected Pulsar® calcium hypochlorite feed systems for chlorination duties for many previous high-profile competitive swim events, including the U.S. Swim Team trials for the Rio Summer Games in 2016.

"With other systems, water chemistry can fluctuate, making it difficult to manage," Spear Corporation President Brian Spear says. "Pulsar® feeders have sufficient capacity and a unique delivery method to eliminate dips in chlorine levels, which is especially important in high demand environments of top-class competitive pools."

For the trials, Spears selected the Pulsar® Precision calcium hypochlorite feed system, a new feeder design from Sigura that uses special high capacity erosion (HCE) technology. The feeder works in conjunction with Pulsar® Plus calcium hypochlorite briquettes to produce a fresh concentrated liquid chlorine solution. The system chlorinates, treat organics, controls metals, boosts hardness, and provides shock treatments, all in one simple process.

"In our experience, Pulsar® feeders have always required less scheduled maintenance than other feed systems, but this new Precision feeder requires even less maintenance than the company's previous system designs," Spears says. "The unit's ease of operation is a big plus. Also, one big advantage to



using the solid briquettes is they require far less storage space than sodium hypochlorite (liquid bleach). With the numbers of spectators and athletes at a large, high-profile event like this one, we don't want to have a lot of chemical storage on site," he says.

Each of the two swimming pools under construction at Omaha's CHI Health Center will hold approximately 900,000 gallons of water. One is a 10-lane, 50-meter competition pool, and the other is an "L-shaped" warm-up pool, featuring an 8-lane, 50-meter section and a 6-lane 25-meter section. They are being built especially for this 12-day competition, and when elite swimmers from around the country arrive in Nebraska with hopes of representing Team USA in Tokyo, they can be confident that the water in these pools will meet their high expectations.

About Sigura

Sigura, a worldwide provider of complete and innovative water treatment solutions, including chemicals and engineered feeding units to meet specific treatment needs. Sigura is committed to improving life through water. Headquartered in Alpharetta, GA, Sigura maintains six production facilities throughout North America, South America, Europe and Africa, with 1,200 employees globally, located in all major regions.

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