

LITTLE FINS SWIM SCHOOL, Kirrawee NSW choose BECSys3 pool controller and Pulsar 3 system

Matthew Brown, co-owner of the new Little Fins Swim School in Kirrawee, NSW wanted a chemical dosing and control system that was simple to use for his staff, but also one that would assure the best possible water quality for his young patrons. Matthew's pool builder, Hank Van THE POOL MAN, recommended the **BECSys3 ph & chlorine controller and Pulsar 3 dry chlorine briquette feeder**.



The "Little Fins" indoor pool

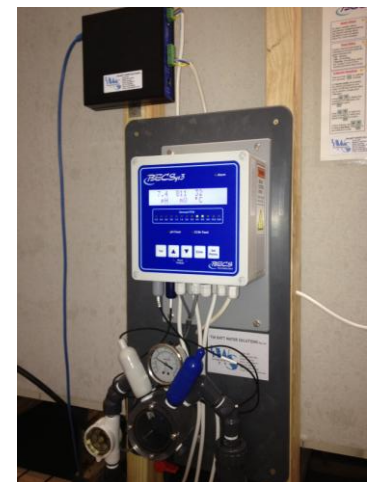
Protection of the new vinyl liner in the pool was an important consideration and the Pulsar system would achieve constant disinfection, in compliance with NSW Health Pool guidelines, using the minimum amount of acid for pH correction. This is because Pulsar Briquettes dry chlorine includes a built-in antiscalant to make the Pulsar 3 feeder run smoothly, without the need for excessive acid dosing, as can be required with granular calcium hypochlorite feeders. The system consists of a booster pump to draw filtered water from the plant through a venturi eductor, taking chlorine solution from the feeder and effectively superchlorinating some of the pool water before redistributing it to the pool.



Pulsar 3 feeder & Pulsar
Briquettes, 20kg drum

The small amount of acid dosing required to correct the pool pH, against the close to 'pH neutral' effect of the Pulsar Briquettes, is added in upstream of the venturi for best results. Typical water chemistry of the pool is pH 7.4, total alkalinity 80mg/L, calcium hardness around 300mg/L and free chlorine 2.5mg/L. Pool TDS is run much lower than in a pool using liquid chlorine, by as much as 50-75% – keeping the water 'fresher' for longer. Overall Langelier Saturation Index (LSI) water balance is an ideal +0.1 and therefore bather comfort and optimal plant performance is assured. The elevated calcium level acts as a mild coagulant and assists the sand filters in fine particle and metals removal, while protecting the plant and pool surfaces from corrosion or degradation.

New to Australia, but recognisable to many from its former name of 'Stranrol System 3', the BECSys3 pool pH and chlorine controller uses a heavy duty ORPmV probe with a 2 year warranty and 5 year+ life expectancy to give continuous compliance with the latest ORP based NSW Health Department requirements for pools; ensuring disinfection at all times regardless of bathing load variations. Being the simplest to use of any controller on the market the Sys3 has a 'CAL' and 'SETPOINT' button, 'UP' and 'DOWN' arrow buttons and an 'ENTER' button. It is easy to use by any staff member and is protected by two levels of password access, if required. A reliable and very low maintenance direct free chlorine sensor for FAC based



BECSys3 controller with
Remote Control Module (RCM)

control is available as an option, if preferred.

Although the Sys3 is simple to use, it has a highly sophisticated, optional BECS-RCM remote control module connected, which enables remote two way communication and download/graphing of readings to an Ethernet connected PC, using 'BECSys for Windows' software. This BECS Technology designed software is extremely simple to use and is immediately familiar to any regular PC user, being both Windows Vista and Windows 7 compatible and having a well laid out 'user interface' control panel, for changing of setpoints and alarm points remotely. The graphing page is fully configurable to show not just readings of the various pool parameters (pH, ORP, temperature, free chlorine, etc), but also chemical feed events, access by operators, alarm events and so on. Where this recording comes into it's own is if the pool needs to be superchlorinated at night and a record of this kept to prove this has been done, for example after a faecal incident occurring in the pool water. There are many benefits to assist the pool owner in compliance with the latest regulatory requirements. A useful feature is the automatic alarm callout to Matthew's PC or mobile phone if there is an alarm event of any kind.

Matthew is extremely happy with his BECS/Pulsar system and he has received many compliments on water quality and bather comfort from the parents of his young 'Little Fins' patrons. The swim school is a great success with strong growth in patronage by 400% since it opened early this year. Having great water quality and a comfortable pool environment is a key part of the centre's success.

See Little Fins Swim School on their website – www.littlefinsswimming.com



Little Fins Swim School,
Kirrawee NSW

For more details please contact Tim Batt of Tim Batt Water Solutions (BECS Technology and Pulsar distributor for Australia and New Zealand) on ph 0438-889268 or e-mail:- timtbws@bigpond.com