

## What Is Title 22

The question what is Title 22 in regard to daily pool and spa water maintenance and then knowing what it is, how can I comply with it?

The code itself is straight forward but the confusion comes from how the code is being enforced locally, especially when there are different opinions within the same local health departments. The spirit of the law is to ensure that public pools and spas are safe to swim in but the practicality of having a tech stop by every day required by some health officials is seen as an unreasonable expectation especially for small companies and because there is technology available that can help ensure compliance to the standards not only once per day but 24/7. There is allowance within the code for automating this daily reading requirement:

### **Section 65523 - Operation Records.**

(a) Except as provided in Health and Safety Code, section 116048, the pool operator of every public pool open for use at a public pool site shall test the disinfectant residual and pH of the public pool water a minimum of once per day. The pool operator shall also test heated pools' water temperature a minimum of once per day. The pool operator may perform these daily tests using a properly calibrated automatic chemical monitoring and control system if approved by the enforcing agent and in accordance with the manufacturer's equipment specifications for calibration and directions for proper use. The pool operator shall maintain a written daily record of all test results, equipment readings, calibrations, and corrective action taken at the public pool site.

The required daily chemical levels are as follow:

#### **Public Pools Free Chlorine/Bromine Residual (PPM), pH**

Without CYA 1.0 - 10.0/ 2.0 - 10.0, 7.2 - 7.8

With CYA 2.0 - 10.0/ 4.0 - 10.0, 7.2 - 7.8

#### **Public Spas, Wading Pools and Spray Grounds Free Chlorine/Bromine (PPM), pH**

3.0 - 10.0/ 4.0 - 10.0, 7.2 - 7.8

It is also required to record temperature of heated pools daily.

As you can see, the code does allow for an automated system There are many health departments that are ok with utilizing automated systems and letting pool techs update the log on their normal visits.

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In speaking with many health officials, the primary importance is having the data to support compliance with code requirements and maintaining this data for 2 years.

There are some chemical automation manufacturers that provide equipment that will record Free Chlorine, pH and temperature and some that will record the data. ControlOMatic has taken the time to ask many health officials what they want an automated system to do and how they want the data to be presented which has been incorporated into our hardware and software. These features include Monitoring and controlling Free Chlorine via automated DPD testing, pH and temperature and having 8,200 lines of data on the controller, storing it on a remote server for long term retrieval, having the previous 7 days of data easily viewable on screen without pushing any buttons, an optional serial printer along with email & text notifications should the pool start falling out of compliance for quick notification so corrective action can be taken quickly.

ControlOMatic has gone to great lengths to satisfy various health department requirements and we believe we have covered every possible combination of requirements. However, for the sake of our customers, we will provide Free software updates in the event another feature is required. Since our systems are modular, any hardware requirements can be easily added onsite.