



Clean Water Made Easy  
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# ClearWater Tech Chemtrol Systems Brochure 2008

Call Clean Water Systems for more  
information  
toll-free at 1-877-641-1839

# CHEMTROL™ ORP and pH Control

Chemical Automation is now recognized as a must for reliable water treatment in swimming pools, spas, cooling towers and industrial applications. With their advanced microprocessor-based technology, the **CHEMTROL™** Digital Controllers introduce a new standard sophistication in automated chemical control.

The **CHEMTROL™ 230 ORP Controller** is designed for use with neutral-type sanitizers - such as bromine or dichlor - that do not require pH control.

The **CHEMTROL™ 240 pH Controller** is particularly well adapted to the neutralization of acidic or alkaline solutions for environmental applications.

The **CHEMTROL™ 250 ORP/pH Controller** with interlocking safety features should be used for all applications requiring both pH and Sanitizer control.

## STANDARD FEATURES

- √ All Functions on Front Panel
- √ Adjustable Setpoints
- √ Adjustable Alarms
- √ Proportional Feed
- √ Overfeed Safety Timers
- √ Waterproof Cabinet
- √ Easy to install
- √ Simple to use
- √ 5-year Electronics Warranty
- √ Toll-Free Technical Support

The bright LCD displays shows ORP and pH readings, calibration adjustments and alarm limits. The five LED lights indicate the operating mode (OFF, Manual or Auto), feed status, out-of-range alarms and overfeed alarms.

The front panel controls include setpoint, calibration, low and high alarm limits, safety timer limit and proportional feed adjustment.

Feed control is either ON/OFF or Proportional. The Proportional Feed feature is particularly useful to avoid overfeeding in small bodies of water. It reduces the feed cycle time progressively as the sensor reading gets closer to the setpoint.

## SIMPLE AND RELIABLE

All **CHEMTROL™** controllers are user-friendly, reliable and easy to install and operate. Every unit is supplied with a comprehensive operation manual and a **FIVE-YEAR electronics warranty**.

## EXTENDED TECHNICAL SUPPORT

Technical support from **CHEMTROL™** is based on our experience with over 30,000 installations worldwide. It is available by toll-free phone, by fax or by e-mail.



Visit our Web Site at [www.sbcontrol.com](http://www.sbcontrol.com) or call today for a free demo CD.



**SANTA BARBARA CONTROL SYSTEMS**

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Leading in Automated Water Treatment Since 1976

# EASY TO INSTALL

## EASY AS 1-2-3

1

### CONTROLLER

Connect controller to Timer in parallel with Main Pump. Make sure to follow electrical codes

2

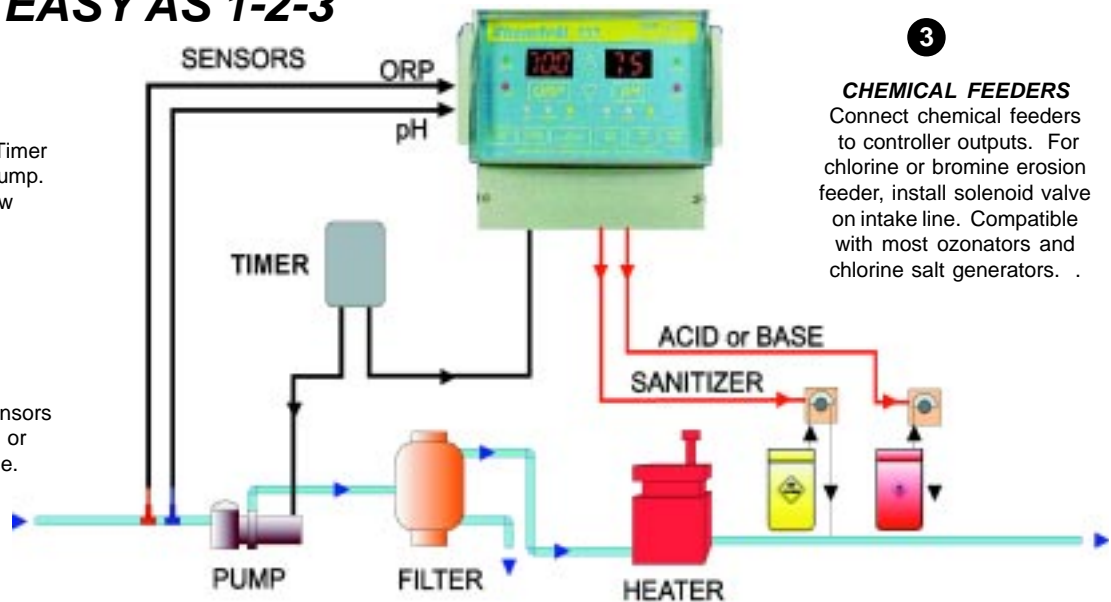
### SENSORS

Install ORP and pH sensors on recirculation line or optional bypass line.

3

### CHEMICAL FEEDERS

Connect chemical feeders to controller outputs. For chlorine or bromine erosion feeder, install solenoid valve on intake line. Compatible with most ozonators and chlorine salt generators.



## SIMPLE TO OPERATE

The CHEMTROL™ Digital Controllers automatically maintain the sanitizer ORP (oxidation-reduction potential or Redox) and water pH in pools and spas. All operating functions are clearly labeled and accessible from the front panel, with safety and easy-reset features not found on other controllers.

**The default pH control level is 7.5.** Below 7.4, the water is too acidic and causes corrosion and eye irritation. Above 7.6, it is too alkaline and causes eye irritation plus water cloudiness, scaling, stains and reduced sanitizer efficiency.

**The default ORP control level is 700 mV,** based on WORLD HEALTH ORGANIZATION (WHO) and NATIONAL SPA AND POOL INSTITUTE (NSPI) values for prevention of germs and bacteria.

## A SOUND INVESTMENT

The CHEMTROL™ Digital Controller are based on 20+ years of experience in pool and spa automation with over 25,000 installations worldwide. Featuring a 5-year electronics warranty, it **actually pays for itself in 1 to 2 years** through cost savings in operating and maintenance expenses.

Savings continue to accrue from the more efficient use of chemicals, avoiding over- and underfeeding, and from lower labor costs for water testing and repairs of damaged equipment. In particular, commercial operators save on **specialty chemicals, customer complaints and health department shutdowns.**

## SPECIFICATIONS

ORP CONTROL  
pH CONTROL  
ORP SENSOR  
pH SENSOR  
READOUTS  
FEED MODES  
ADJUSTMENTS  
INDICATORS  
SAFETY

CABINET  
ELECTRICAL  
PLUMBING  
WARRANTY

SHIPPING

Adjustable from 400 to 900 mV  
Adjustable from 7.0 to 8.0  
Platinum electrode with 10-ft (3 m) cable  
Glass electrode with 10-ft (3 m) cable  
ORP (3 digits) and pH (2 digits) LEDs  
Manual, automatic, proportional  
Setpoint, calibration, limits, feed rate  
LEDs for feed mode, feed status, alarms  
Audio, visual and remote alarms  
Out-of-range limits and overfeed safety timers  
Polystyrene 9x7x4 in. (22x18x10 cm)  
110V, 230V or 24 VAC (specify)  
PVC tees for 1-1/2" or 2" line  
5 years on electronic module  
1 year on all other parts  
12x12x12-in (30x30x30 cm) carton  
9 lbs (4 kg) without pumps  
18 lbs (8 kg) with 2 chemical feed pumps

**AUTHORIZED CHEMTROL™ DEALER**