

CHEMICAL AUTOMATION is now recognized as a must for modern water treatment in pools, spas, cooling towers and industrial water applications.

The **CHEMTROL® DIGITAL CONTROLLERS** introduce a new standard of sophistication in automation based on advanced microprocessor technology. These simple and user-friendly controllers offer the choice of control in PPM (parts per million or milligrams per liter) of Free Chlorine or with ORP (Oxidation-Reduction Potential) for chlorine, bromine or ozone.

- The **CH255 PPM/pH Controller** features a pH sensor and a PPM solid state sensor with a selective membrane for control of Free Chlorine.
- The **CH250 ORP/pH Controller** features a pH sensor and an ORP sensor for control of chlorine, bromine or ozone.
- The **CH240 pH Controller** is used to control pH with acidic or alkaline solutions, particularly for environmental applications.
- The **CH230 ORP Controller** can be used for control of the ORP of neutral-type sanitizers (bromine, dichlor, etc) that do not require accurate pH control.

### FEATURES

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

Optional communications packages are available for all controllers.

### EASY TO USE

Bright LCD displays show the PPM, ORP or pH readings, the calibration adjustments and the alarm limits. Five LED lights indicate the operating modes (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 approaches the setpoint.

### SIMPLE AND RELIABLE

All **CHEMTROL®** controllers are user-friendly and reliable, as well as 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®**, based on experience with over 40,000 installations worldwide, 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-ROM



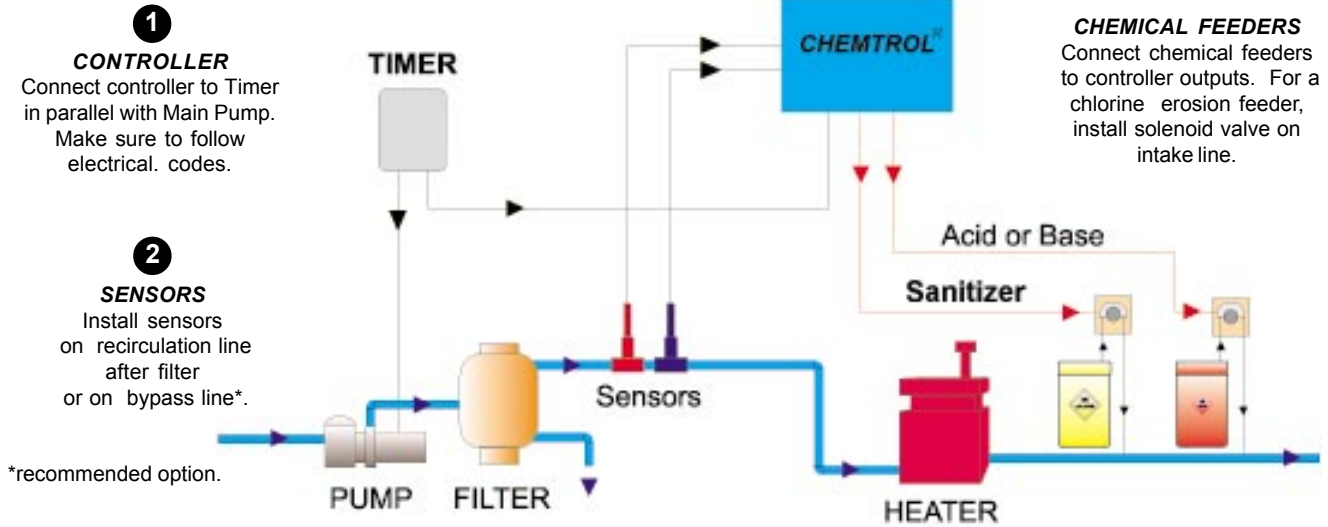
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Leading in Automated Water Treatment Since 1976

# EASY TO INSTALL

## EASY AS 1-2-3



## SIMPLE TO OPERATE

The **CHEMTROL® Digital Controllers** automatically maintain both Sanitizer concentration and water pH.

All operating functions are clearly labelled and accessible from the front panel, with safety and easy-reset features not found on other controllers.

The **Free Chlorine concentration can be adjusted from 0.1 to 10 ppm (or mg/l)** based on local Health Department and NATIONAL SPA AND POOL INSTITUTE (NSPI) values for prevention of germs and bacteria (or 0.01 to 2.00 for low chlorine level applications).

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.

The **standard 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.

## A SOUND INVESTMENT

The **CHEMTROL® Digital Controllers** are based on over 25 years of experience in water treatment automation with over 40,000 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 under-feeding, 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

<b>PPM SENSOR</b>	Solid State with Selective Membrane and 10-ft sensor cable
<b>ORP SENSOR</b>	Platinum electrode with 10-ft (3 m) cable
<b>pH SENSOR</b>	Glass electrode with 10-ft (3 m) cable
<b>PPM CONTROL</b>	Standard from 0.1 to 10 ppm (mg/l) Optional from 0.01 to 2.00 ppm (mg/l)
<b>ORP CONTROL</b>	Adjustable from 200 to 995 mV
<b>pH CONTROL</b>	Adjustable from 7.0 to 8.0
<b>READOUTS</b>	PPM or ORP (3 digits) and pH (2 digits) LEDs
<b>FEED MODES</b>	Manual, automatic, proportional
<b>ADJUSTMENTS</b>	Setpoint, calibration, limits, feed rate
<b>INDICATORS</b>	LEDs for feed mode, feed status, alarms
<b>SAFETY</b>	Audio, visual and remote alarms Out-of-range limits and overfeed safety timers
<b>CABINET</b>	Polystyrene 9x7x4 in. (22x18x10 cm)
<b>PLUMBING</b>	PVC tees for 1-1/2" or 2" line
<b>ELECTRICAL</b>	110V, 230V or 24 VAC (specify)
<b>COMMUNICATIONS</b>	See options
<b>WARRANTY</b>	5 years on electronic module 1 year on all other parts
<b>SHIPPING</b>	12x12x12-in (30x30x30 cm) carton 9 lbs (4 kg) without pumps 18 lbs (8 kg) with 2 chemical feed pumps

## AUTHORIZED CHEMTROL® DEALER