

Chemical Automation is now recognized as a must for proper water treatment in swimming pools, spas, cooling towers and industrial water treatment.

With advanced microprocessor-based technology, the **CHEMTROL® DIGITAL CONTROLLERS** introduce a new standard of sophistication in automated chemical control. These simple and user-friendly controllers offer the choice of control in PPM (parts per million or milligrams per liter) for Free Chlorine or in 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 for control of pH with neutralizing acidic or alkaline solutions, particularly for environmental applications.

The **CH230 ORP Controller** is used for control of the ORP of neutral-type sanitizers - such as bromine or dichlor - that do not require pH 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

EASY TO USE

A bright LCD display shows ORP and/or pH readings, calibration adjustments and alarm limits. The 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, 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 or call today for a free demo CD-ROM



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Leading in Automated Water Treatment Since 1976

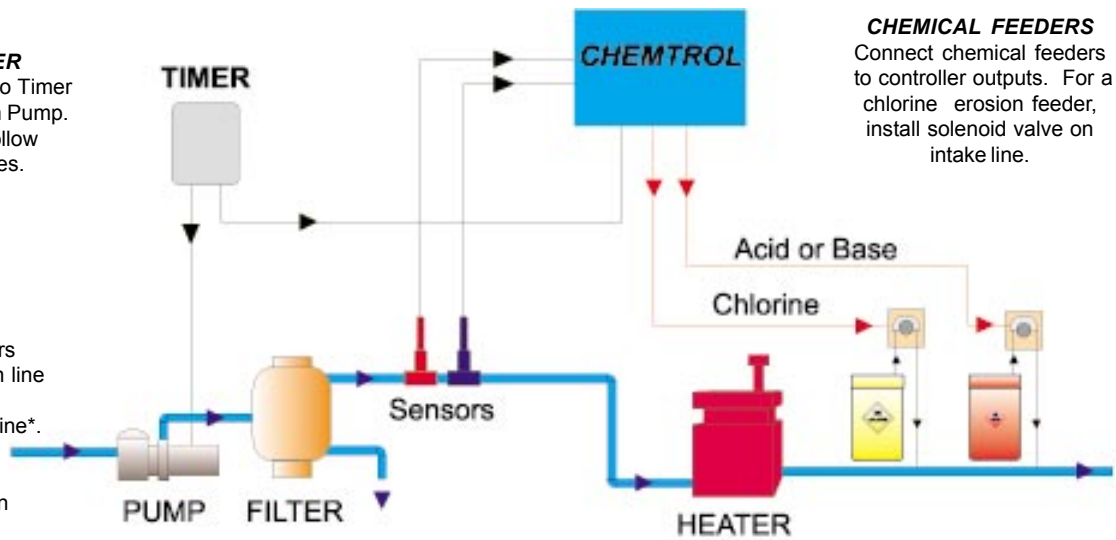
EASY TO INSTALL

EASY AS 1-2-3

1
CONTROLLER
Connect controller to Timer in parallel with Main Pump. Make sure to follow electrical codes.

2
SENSORS
Install sensors on recirculation line after filter or on bypass line*.

*recommended option



3
CHEMICAL FEEDERS
Connect chemical feeders to controller outputs. For a chlorine erosion feeder, install solenoid valve on intake line.

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 from 0.01 to 2.0 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

PPM SENSOR	Solid State with Selective Membrane and 10-ft sensor cable
ORP SENSOR	Platinum electrode with 10-ft (3 m) cable
pH SENSOR	Glass electrode with 10-ft (3 m) cable
PPM CONTROL	Standard from 0.1 to 10 ppm (mg/l) Optional from 0.01 to 2.0 ppm (mg/l)
ORP CONTROL	Adjustable from 200 to 995 mV
pH CONTROL	Adjustable from 7.0 to 8.0
READOUTS	PPM (3 digits) and pH (2 digits) LEDs
FEED MODES	Manual, automatic, proportional
ADJUSTMENTS	Setpoint, calibration, limits, feed rate
INDICATORS	LEDs for feed mode, feed status, alarms
SAFETY	Audio, visual and remote alarms Out-of-range limits and overfeed safety timers
CABINET	Polystyrene 9x7x4 in. (22x18x10 cm)
ELECTRICAL	110V, 230V or 24 VAC (specify)
PLUMBING	PVC tees for 1-1/2" or 2" line
WARRANTY	5 years on electronic module 1 year on all other parts
SHIPPING	12x12x12-in (30x30x30 cm) carton 9 lbs (4 kg) without pumps 18 lbs (8 kg) with 2 chemical feed pumps

AUTHORIZED CHEMTROL® DEALER