

Chemtrol® PC2100

PROGRAMMABLE CONTROLLER

ORP / pH Programmable Controller
with Chlorine Sensor Option

U.S. Patent No. 5,895,565

SIMPLE, RELIABLE AND FLEXIBLE

Whether it's a swimming pool, spa, cooling tower, or industrial water treatment facility, chemical automation is the easiest and most efficient way to ensure proper water quality. The Chemtrol® PC2100's advanced microprocessor technology gives you a new standard of sophistication in automated control of sanitizers, oxidizers, and pH. The Chemtrol® PC2100 is a user-friendly and reliable controller that is easy to install and operate, and is backed by our five-year electronics warranty.



**SANTA BARBARA
CONTROL SYSTEMS**

Leaders in Automated Water Treatment Since 1976
800-621-2279 | 805-683-8833 | sbcontrol.com



TECHNICAL SUPPORT

- **Be alerted in case of probe failure.** The Chemtrol® proprietary Probe Alert Safeguard constantly monitors the response of the ORP and pH probes and alerts the operator of probe failure.
- **Receive immediate tech support.** Our webserver communication enables immediate technical support remotely from our service department or with a Qualified Dealer. Call 1-800-621-2279 or email sales@sbcontrol.com.

STANDARD FEATURES

- Large 8-line LCD display in U.S. or metric units for easy operation
- Full screen menu in English, French, or Spanish
- ORP control of sanitizer (chlorine or bromine) and/or oxidizer activity - compatible with all common sanitizers and oxidizers
- pH control with choice of acid or base feed
- Programmable shock treatment and chemical savings cycles
- Langelier Saturation Index for water balance
- Automatic data logging for up to 999 tests
- Micro SD card easy data log downloads
- Safety flow switch
- Flow Cell Assembly (FCA)

AVAILABLE OPTIONS

- Free chlorine sensor with direct readings in PPM or mg/l
- Programmable heater control
- Conductivity or total dissolved solids (TDS) control
- 4-20 mA outputs for BMS or PLC control
- Web Server/Building Management System (BMS)
- Tank Level Monitoring
- Flow monitoring



PPM Chlorine Sensor

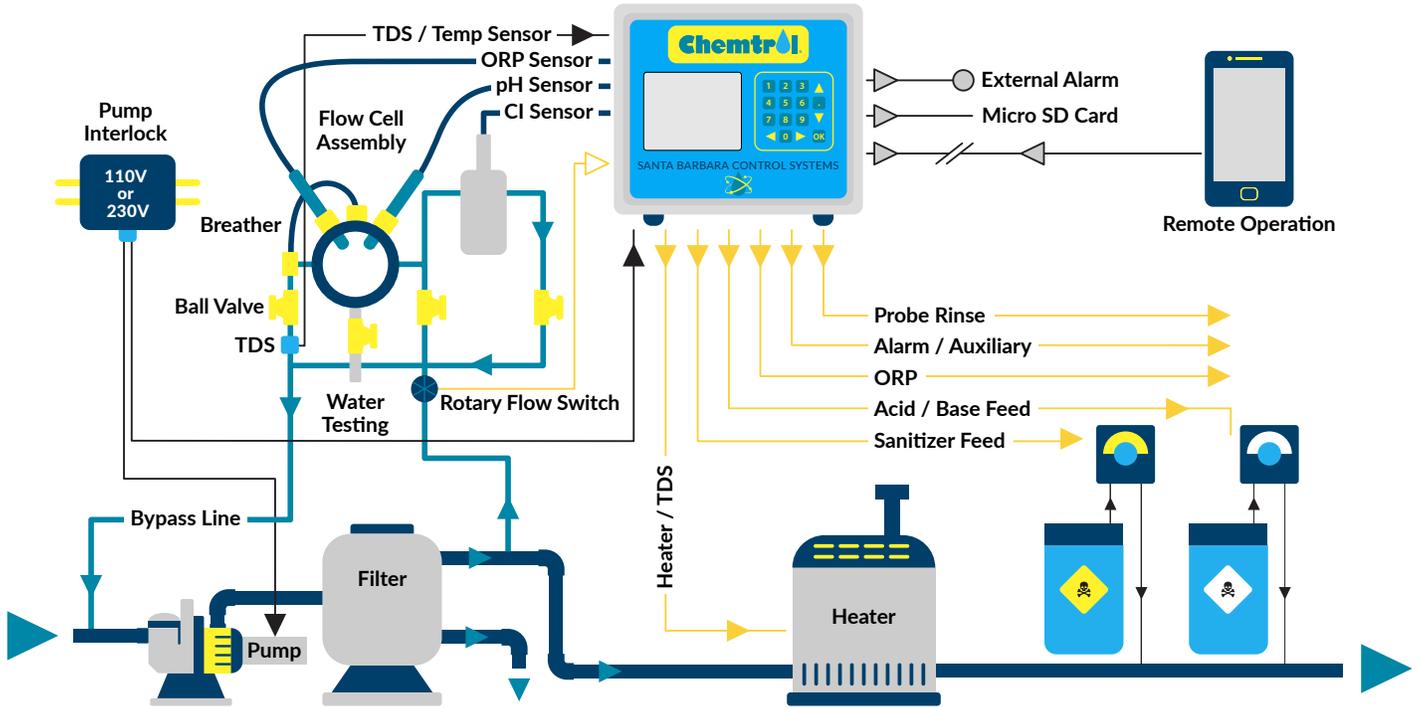


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Sensor Option

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SPECIFICATIONS

ORP Control	200-999mV	Setpoint for oxidizer or reducer; programmable shock treatment and chemical savings cycles
pH Control	0-14	Setpoint for acid or base feed
PPM Control (Option)	0-10 ppm and 0-2 ppm	
TDS	0-20,000 uS/cm or ppm	Conversion factor for Conductivity
Temperature	0 to 140 F (-18 to 60C)	
Langelier Index	-.5 to +.5 programmable	Calculated from pH, temp, total alkalinity & calcium hardness
Sensor Calibration	1, 2, or 3 points	
Control Modes	Off, manual, automatic, timer	On/off or proportional
Data Logging	Onboard memory up to 999 tests	Micro SD Card for local download
Alarms	High, low, out of range, run time & overfeed	Patented Probe Alert Safeguard provides visual, audio, and external alarms
BMS*	Webserver communication / 4-20mA Bacnet, Modbus, LON	Remote software & graphics display
Mechanical	6 x 9 x 11 in (15 x 23 x 29 cm)	Cabinet size
Electrical	10 A/110 or 230 V with selector switch	All output and alarm relays 5A / dry contact or voltage
Warranty	5 year electronics / 2 year PPM sensor / 1 year sensor	
Shipping	16 x 16 x 12 in, 16 lbs. (41 x 41 x 31 cm 7.3kg)	Carton
Approvals	UL and NSF 50 Approved	



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THE CHEMTROL GUARANTEE

Every unit we make is supplied with a comprehensive operation manual and is backed by our five year electronics warranty. Our customer support department is second to none, providing the technical support you need - and we've been part of over 100,000 installations worldwide.