

Chemtrol®

PC3000

PC5000

PROGRAMMABLE CONTROLLER

Automated Water Treatment with Duplex Remote Control and Probe Alert™ Safeguard

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

SIMPLE, RELIABLE AND FLEXIBLE

The user-friendly, microprocessor-based Chemtrol® PC3000 & PC5000 Programmable Controllers introduce a new standard of sophistication and reliability in automated water treatment for applications like swimming pools, spas, waterparks and industrial settings. Easy to install and operate, each controller comes with an operation manual, on-site startup and training by a Qualified Dealer and the security of a 5-year electronics warranty. All menus are clearly displayed in English, French or Spanish – with choice of U.S. or metric units.



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.

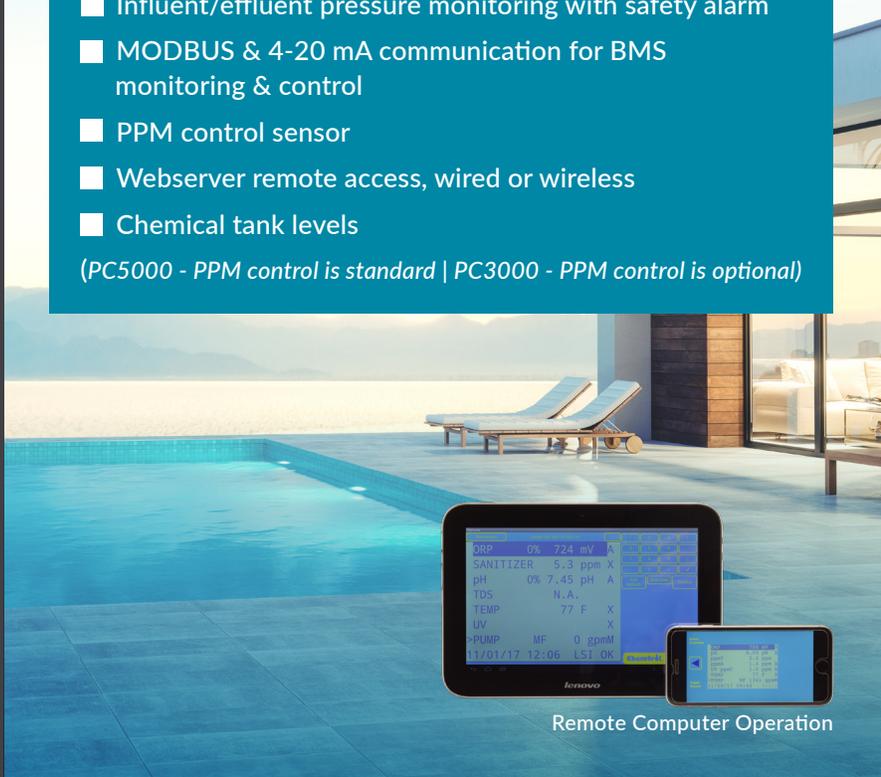
STANDARD FEATURES

- ORP control of oxidizer with shock & chemical-saving programs
- pH control with acid or base feed and probe rinse program
- Programmable shock treatment and chemical savings cycles
- Heater control with energy saver program
- Langelier saturation index for water balance
- Sanitizer PPM display & remote alarm
- Compatible with common sanitizers, oxidizers & ACT Program

AVAILABLE OPTIONS

- Conductivity / TDS control with bleed
- Automatic water level control with electronic sensor & fill valve control
- Main pump control (including VFD control) & flow rate monitoring on display
- Influent/effluent pressure monitoring with safety alarm
- MODBUS & 4-20 mA communication for BMS monitoring & control
- PPM control sensor
- Webserver remote access, wired or wireless
- Chemical tank levels

(PC5000 - PPM control is standard | PC3000 - PPM control is optional)



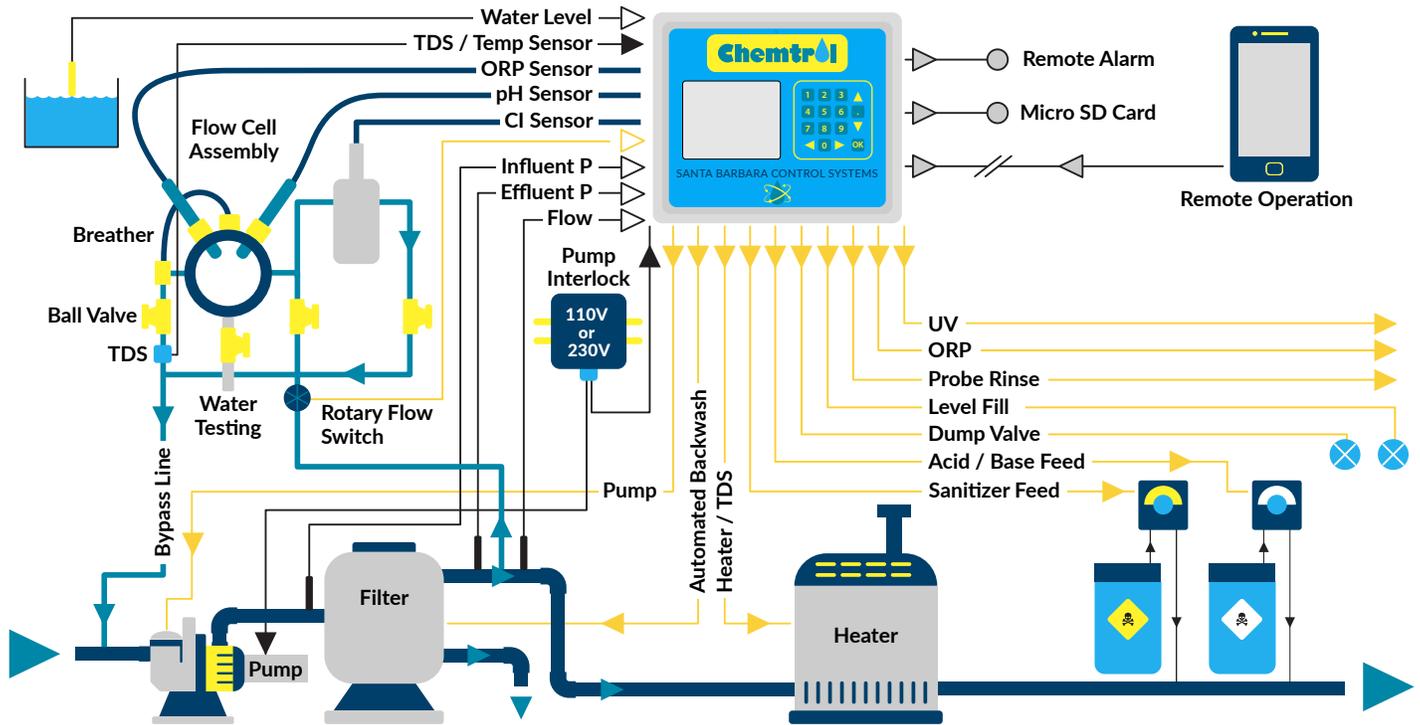
Remote Computer Operation

Chemtrol[®] PC3000

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SPECIFICATIONS

Screen Display	8 lines @ 22 characters	
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
Sanitizer	0-10 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, feed 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	13 x 11 x 6.5 in (34 x 29 x 17 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	19 x 19 x 11 in, 21 lbs. (48 x 48 x 28 cm 9.5kg)	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.