

# Chemtrol®

## PC6000

## PC7000

### PROGRAMMABLE CONTROLLER

Automated Water Treatment. Pump Room Controller. Chemistry and Filter Backwash.

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

### SIMPLE, RELIABLE AND FLEXIBLE

The Chemtrol® PC6000 & PC 7000 microprocessor-based Programmable Controllers are fully integrated command center for automated control of water chemistry and filtration. Featuring true duplex remote operation and choice of backwash programs for single or multiple filters, it introduces a new standard of sophistication in automated water treatment for applications like swimming pools, spas, waterparks and industrial water treatment. 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.



**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.

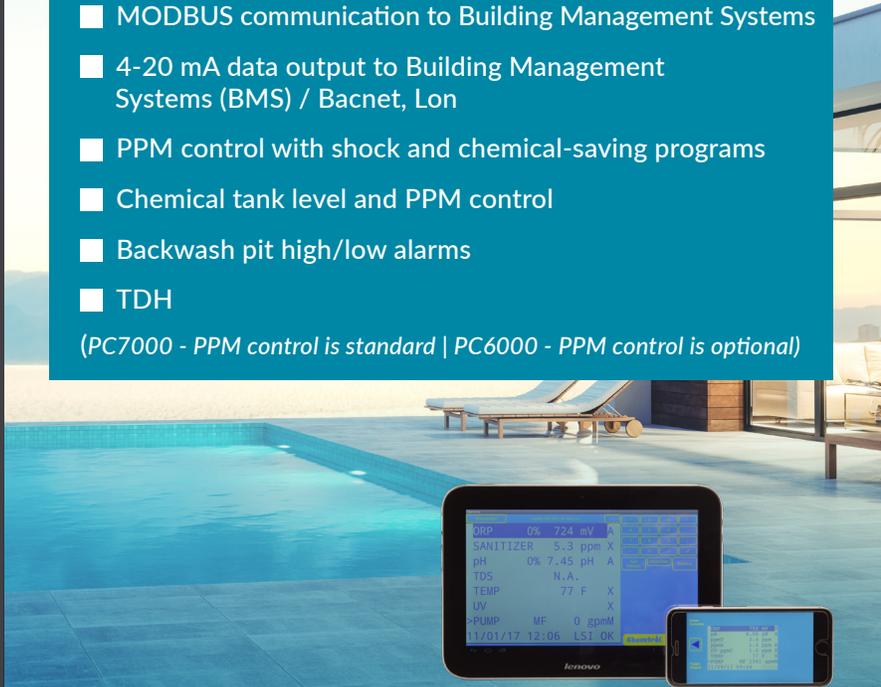
### STANDARD FEATURES

- ORP control of oxidizer with shock & chemical-saving programs
- pH control with acid/base feed and probe rinse program
- Ethernet/Internet network communications
- Heater control with energy saver program
- Main pump control (including VFD control) & flow rate monitoring with cumulative display
- Influent/effluent pressure monitoring with safety alarms
- Automated backwash for multiple filters
- Water level control with electronic sensor and fill valve control
- Sensor cell assembly
- Menus in English, French or Spanish (in U.S. or metric units)
- Compatible with all common sanitizers and oxidizers
- Automated Chloramine Treatment (ACT) Program

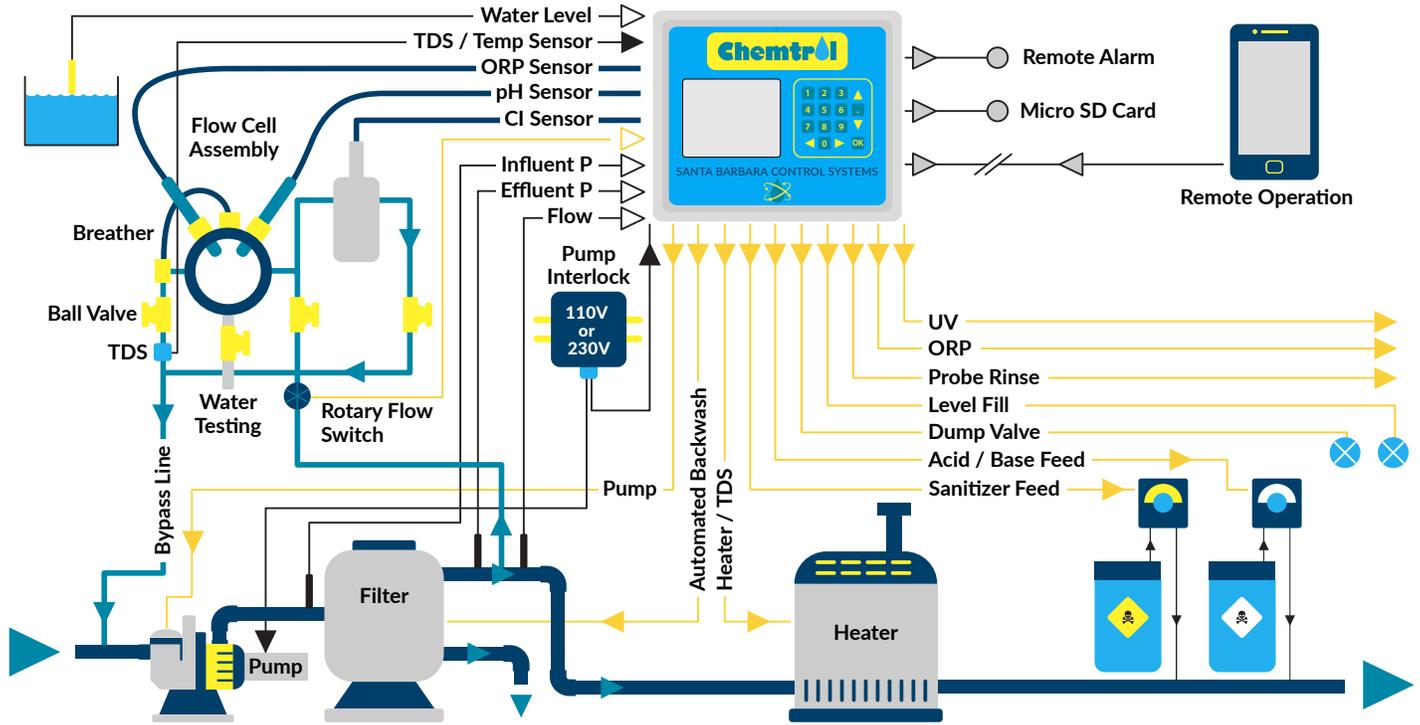
### AVAILABLE OPTIONS

- MODBUS communication to Building Management Systems
- 4-20 mA data output to Building Management Systems (BMS) / Bacnet, Lon
- PPM control with shock and chemical-saving programs
- Chemical tank level and PPM control
- Backwash pit high/low alarms
- TDH

(PC7000 - PPM control is standard | PC6000 - PPM control is optional)



Remote Computer Operation



## 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 (mg/l)   |  |
| TDS                     | 0-20,000 uS/cm or ppm                                   | Conversion factor for Conductivity   |
| Temperature             | 0 to 140 F (-18 to 60C)                                 |  |
| Langelier Index         |   | Water balance display  |
| Sensor Calibration      | 1, 2, or 3 points                                       |  |
| Control Modes           | Off, manual, automatic, timer                           | On/off or proportional   |
| Alarms                  | High, low, out of range, feed time & overfeed           | Patented Probe Alert Safeguard provides visual, audio, and external alarms                 |
| Data Logging            | Onboard memory up to 999 tests                          | Micro SD Card for local download   |
| BMS*                    | Webserver communication / 4-20mA<br>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 Controller     | 24 x 18 x 18 in / 60 x 45 x 45 cm, 40 lbs/18kg          | 3 Cartons  |
| Shipping Sensor Cabinet | 19 x 19 x 11 in / 48 x 48 x 28 cm, 21 lbs/9.5kg         |  |
| Shipping Water Level    | 72 x 12 x 12 in / 180 x 30 x 30 cm, 54 lbs/25kg         |  |
| 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.