Chemtrol™ PC6000

PROGRAMMABLE CONTROLLER

INTEGRATED WATER TREATMENT
with Duplex Remote Control
and Probe Alert™ Safeguard*

* U.S. Patent 5,895,565

The **CHEMTROL™ PC6000** *microprocessor-based programmable controller is a fully integrated command center for automated control of water chemistry and filtration with true duplex remote operation. It introduces a new standard of sophistication in automated water treatment for many applications such as swimming pools, spas, waterparks and industrial water treatment.*

STANDARD FEATURES

√ **ORP CONTROL** of oxidizer with shock and chemical saving programs,
√ **PPM CONTROL** with shock and chemical saving programs,
√ **pH CONTROL** with acid / base feed and probe rinse program,
√ **HEATER CONTROL** with energy saver program,
√ **MAIN PUMP CONTROL** and **FLOW RATE** with cumulative display,
√ **INFLUENT/EFFLUENT PRESSURES** monitoring with safety alarms,
√ **AUTOMATED BACKWASH** for multiple filters,
√ **LANGELIER SATURATION INDEX** for water balance,
√ **AUTOMATIC DATA LOGGING** for up to 999 tests,
√ **CONDUCTIVITY / Total Dissolved Solids (TDS) CONTROL**
   with autofill capability for salt generators,
√ **WATER LEVEL CONTROL** with electronic sensor and fill valve control,
√ **REMOTE COMPUTER OPERATION** and **GRAPHIC DATA DISPLAY,**
√ **VOICE TELEPHONE** communication,
√ **FULL-SCREEN MENUS** in English, French or Spanish,
√ Screen displays in **US** or **METRIC UNITS,**
√ COMPATIBLE with all **COMMON SANITIZERS, OXIDIZERS,** and
   AUTOMATED CHLORAMINE TREATMENT (A.C.T.) PROGRAM.

OPTIONS

√ **ETHERNET and INTERNET** communication,
√ **MODBUS** communication to Building Management Systems,
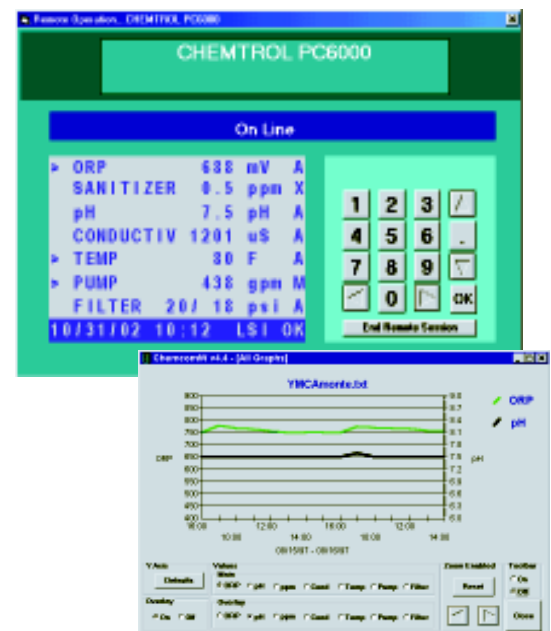√ **4-20 mA** five-channel output to Building Management Systems.

POWERFUL AND RELIABLE

The **CHEMTROL™ PC6000** is a powerful and reliable controller that incorporates automated control of water chemistry and filtration in a single unit with choice of backwash programs for single or multiple filters. All menus are displayed in English, French or Spanish with choice of US or metric units. Each unit is supplied with a comprehensive operation manual, on-site startup and training by a Qualified Dealer 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 also available by toll-free phone, by fax or by e-mail.

— the **CHEMCOM™** Program for *Windows™* allows **immediate technical support** from our Service Department or from a Qualified Dealer by remote computer with true duplex operation.

— the patented **Probe Alert Safeguard*** constantly monitors the response of the ORP and pH probes and alerts the operator in case of probe failure.

REMOTE COMPUTER OPERATION
and **GRAPHIC DATA DISPLAY**
under *Windows*

Visit our Web Site at www.sbcontrol.com or call today for a free demo CD.

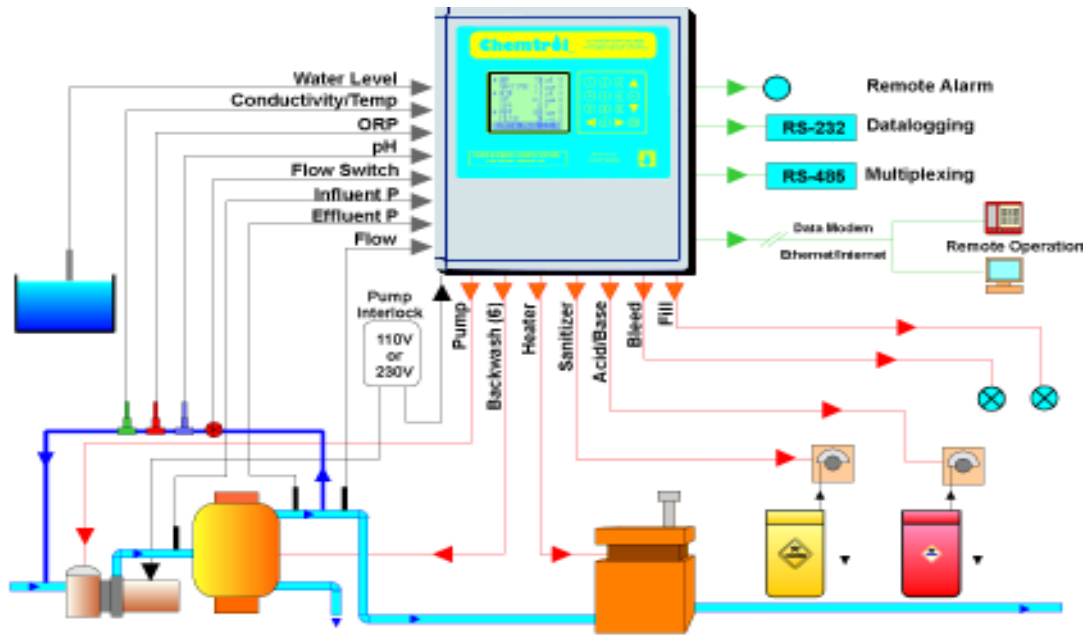*Leading in Automated Water Treatment Since 1976*

Water Level
Conductivity/Temp
ORP
pH
Flow Switch
Influent P
Effluent P
Flow

Pump Interlock
110V or 230V

Pump
Backwash (6)
Heater
Sanitizer
Acid/Base
Bleed
Fill

Remote Alarm
RS-232 Datalogging
RS-485 Multiplexing
Data Modem
Ethernet/Internet
Remote Operation

SPECIFICATIONS

SCREEN DISPLAY	8 lines @ 22 characters
ORP	200-999 mV with oxidizer and/or reducer
	Programmable shock treatment and chemical saving cycles
pH	0-14 with acid and/or base feed
SANITIZER	0-10 ppm (mg/l)
CONDUCTIVITY / TDS	0-20,000 µS/cm
TEMPERATURE	0 to140 F (-18 to 60C)
LANGELIER INDEX	Water balance display
SENSOR CALIBRATION	1, 2 or 3 points
CONTROL MODES	Off, Manual, Auto, Timer
	ON/OFF or Proportional Feed
ALARMS	High/Low out-of-range
	Total feed time and Overfeed
	Patented Probe Alert* Safeguard
	Visual, audio and external alarms
DATA LOGGING	On-board memory for 999 tests
	RS232 communication port
REMOTE OPERATION	Data communication modem
	Ethernet/Internet modem
	CHEMCOM™ remote software and graphical display under Windows™
	Telephone voice communication
MULTIPLEXING	RS485 port for multiple connections
MECHANICAL	13 x 11 x 6 1/2 in. (34 x 29 x 17 cm)
	Rain and splatter proof NEMA Type 3R
ELECTRICAL	10 A / 110 or 230 V with selector switch
	All output relays 5 A
WARRANTY	5-year electronics
	1-year sensors
SHIPPING	Total 3 cartons
Controller	24x18x18 in / 60x45x45 cm (40 lbs/18 kg)
Sensor cabinet	19x19x11 in / 48x48x28 cm (21 lbs/9.5 kg)
Water level	72x12x12 in / 183x30x30 cm (70 lbs/32 kg)

MODEL SELECTION

STANDARD FEATURES

√ **ORP CONTROL**
√ **PPM CONTROL**
√ **pH CONTROL**
√ **HEATER CONTROL**
√ **CONDUCTIVITY / TDS CONTROL**
√ **LANGELIER SATURATION INDEX**
√ **FLOW RATE MONITORING**
√ **AUTOMATIC WATER LEVEL CONTROL**
√ **RECIRCULATION PUMP CONTROL**
√ **INFLUENT/EFFLUENT PRESSURES MONITORING**
√ **MULTIPLE FILTER BACKWASH**
√ **AUTOMATIC DATA LOGGING**
√ **REMOTE ALARM**
√ **REMOTE COMPUTER OPERATION**
√ **VOICE TELEPHONE COMMUNICATIONS**
√ **SENSOR CELL ASSY WITH BYPASS LINE ASSY**

OPTIONS

☐ **ETHERNET / INTERNET REMOTE OPERATION**
☐ **MODBUS COMMUNICATIONS TO B.M.S.**
☐ **4-20 mA FIVE-CHANNEL OUTPUT TO B.M.S.**

REPRESENTED BY: