Chemtrol®
PC4000

BACKWASH CONTROLLER
Automated Water Treatment
with Duplex Remote Control

The **CHEMTROL™ PC4000** filter controller is a programmable control center for automatic filtration and backwash with true duplex remote operation. It introduces a new standard of sophistication in automated water treatment for many applications such as swimming pools, spas, cooling towers and industrial water treatment.

POWERFUL AND RELIABLE

The **CHEMTROL™ PC4000** is a powerful and reliable controller that incorporates automated control of filtration with choice of backwash programs for single or multiple filters. All menus are displayed in clear language 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, plus a **FIVE-YEAR electronics warranty.**

EXTENDED TECHNICAL SUPPORT

- Technical support from our **CHEMTROL™** staff and dealer network 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.
- True duplex remote operation with graphics display
- Easy-to-use program menu and remote control screens
- Remote monitoring, operator training and troubleshooting
- Ethernet/internet, wired / wireless / WiFi / cellular based
- Data scan log and graphic data display
- Webserver communication with BMS, Modbus, Bacnet, Lo
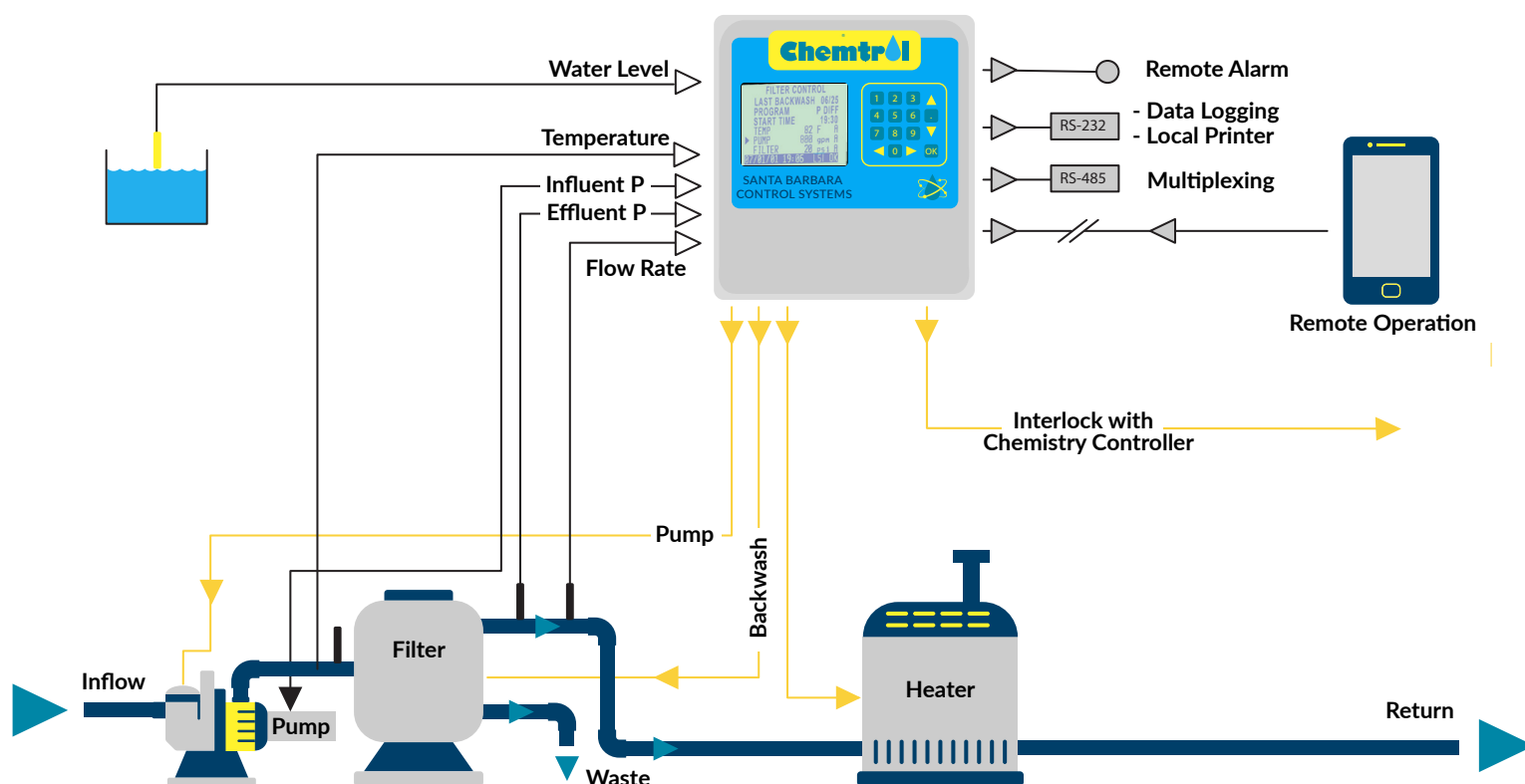
STANDARD FEATURES

- Single or Sequential Filter Backwash
- Recirculation Pump Control
- Flow Rate Monitoring and Totaling
- Remote Alarm
- Influent/Effluent Pressure Transducers
- Waste and Surge Pit Alarms
- Heater Control
- Automatic Data Logging

ADVANCED FEATURES

- ☐ Programmable **RECIRCULATION PUMP CONTROL**
- ☐ **FLOW MONITORING** and **TOTALING** with safety alarm
- ☐ **INFLUENT/EFFLUENT PRESSURE** monitoring with safety alarms
- ☐ **INTERLOCK** with **CHEMISTRY CONTROLLER**
- ☐ **WASTE PIT** and **SURGE PIT ALARMS**
- ☐ **AUTOMATED BACKWASH** for single or multiple filters
- ☐ Works with **PNEUMATIC, HYDRAULIC or ELECTRIC VALVES**
- ☐ **EIGHT (8) BACKWASH PROGRAMS**
- ☐ **PRIORITY VALVE** program
- ☐ **AUTOMATIC DATA LOGGING** for up to 999 tests
- ☐ **HEATER CONTROL** with fireman safety and energy saver program
- ☐ **WATER LEVEL CONTROL** with electronic sensor and fill valve control
- ☐ **RS-485 CONNECTION** to **CHEMTROL** chemistry controllers
- ☐ **REMOTE COMPUTER OPERATION** and **GRAPHIC DATA DISPLAY**
- ☐ **FULL-SCREEN MENUS** in English, French or Spanish

Remote Computer Operation

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

Water Level
Temperature
Influent P
Effluent P
Flow Rate
Pump
Backwash
Inflow
Pump
Filter
Waste
Heater
Return

Remote Alarm
- Data Logging
- Local Printer
Multiplexing
Remote Operation
Interlock with Chemistry Controller

RS-232
RS-485

SANTA BARBARA CONTROL SYSTEMS

SPECIFICATIONS

Screen Display	8 lines @ 22 characters	
Temperature Readout	0 to 140 F (-18 to 60C)	
Sensor Calibrations	Field adjustable	
Control Mode	Off, Manual, Automatic, Timer, Schedule	
Backwash Programs	7-day Timer	Pressure Differential, Time or Pressure, Time and Pressure
Alarms	Visual, Audio and External alarms	
Data Logging	On-board memory for up to 999 tests	RS232 communication port for local download and printing
Multiplexing	RS485 port for up to 30 controllers	
Remote Operation	Data communication modem	CHEMCOM™ software and graphic data display
Electrical	10 A/110 or 230 V with selector switch	All output relays 5 A
Warranty	5-year electronics	1-year sensors
Mechanical	NEMA 4X fiberglass cabinet	13 x 11 x 6 in (34 x 29 x 17 cm)
Shipping		
Controller	24 x 18 x 18 in / 60 x 45 x 45 cm (40lbs/18kg)	
Water Level	72 x 12 x 12 in / 180 x 30 x 30 cm (54 lbs/25kg)	

SANTA BARBARA CONTROL SYSTEMS

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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.