

Chemtrol®

BT110

BT112

BOILER CONTROLLER

SIMPLE, RELIABLE AND FLEXIBLE

Easy to install and operate, the Chemtrol® BT110 & BT112 Controllers automate control of dissolved solids in boilers. The programming enables water sampling to be set at programmable intervals. This allows small-to medium-sized boilers to be maintained without significant efficiency loss. The reading delay features allow the controller to ignore the reading while the sample line is filling. The volume input from the water meter on the make-up line can be used for programming of additives. All information appears on a large LED display, with choice of English, Spanish or French. Engineering units can be displayed in either U.S. or metric values. Entries are made using the numeric keypad and simple menus. Each unit comes with an instruction manual 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

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.

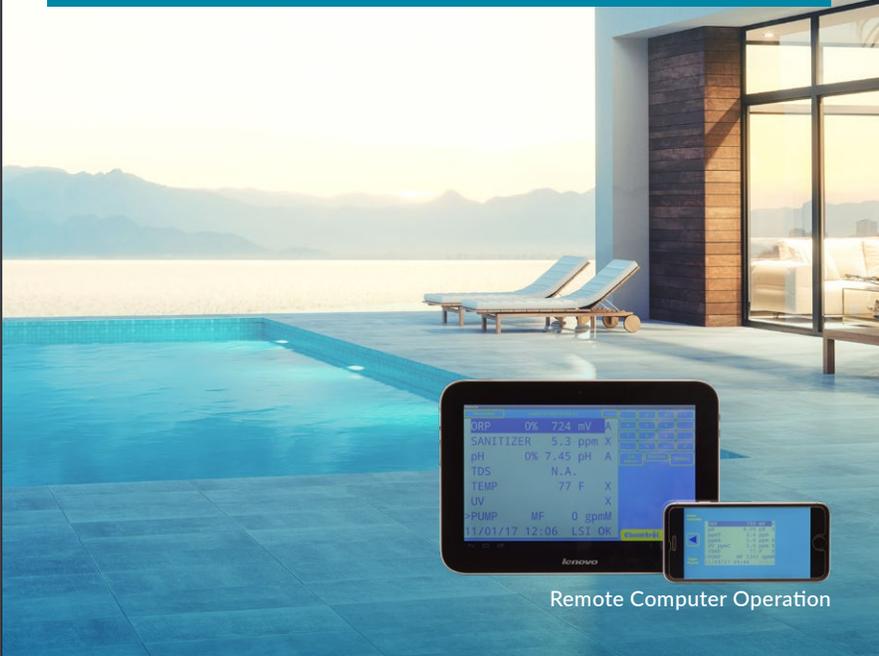
STANDARD FEATURES

- Pulsing water meter input
- Pressure range to 250 psi at 205°C (400°F)
- Sensor wetted materials: 316 SS electrode and Teflon O-rings insulator
- Black Iron ¼" cross fitting with ¾" reducer bushing
- Choice of bleed programs
- Three chemical feed programs and additive feed programs
- Adjustable setpoints and chemical level alarms
- Lockout timers on bleed and feed outputs
- Langelier saturation index for water balance
- Programming for timed sampling with reading delay
- Automatic data logging and direct serial download

AVAILABLE OPTIONS

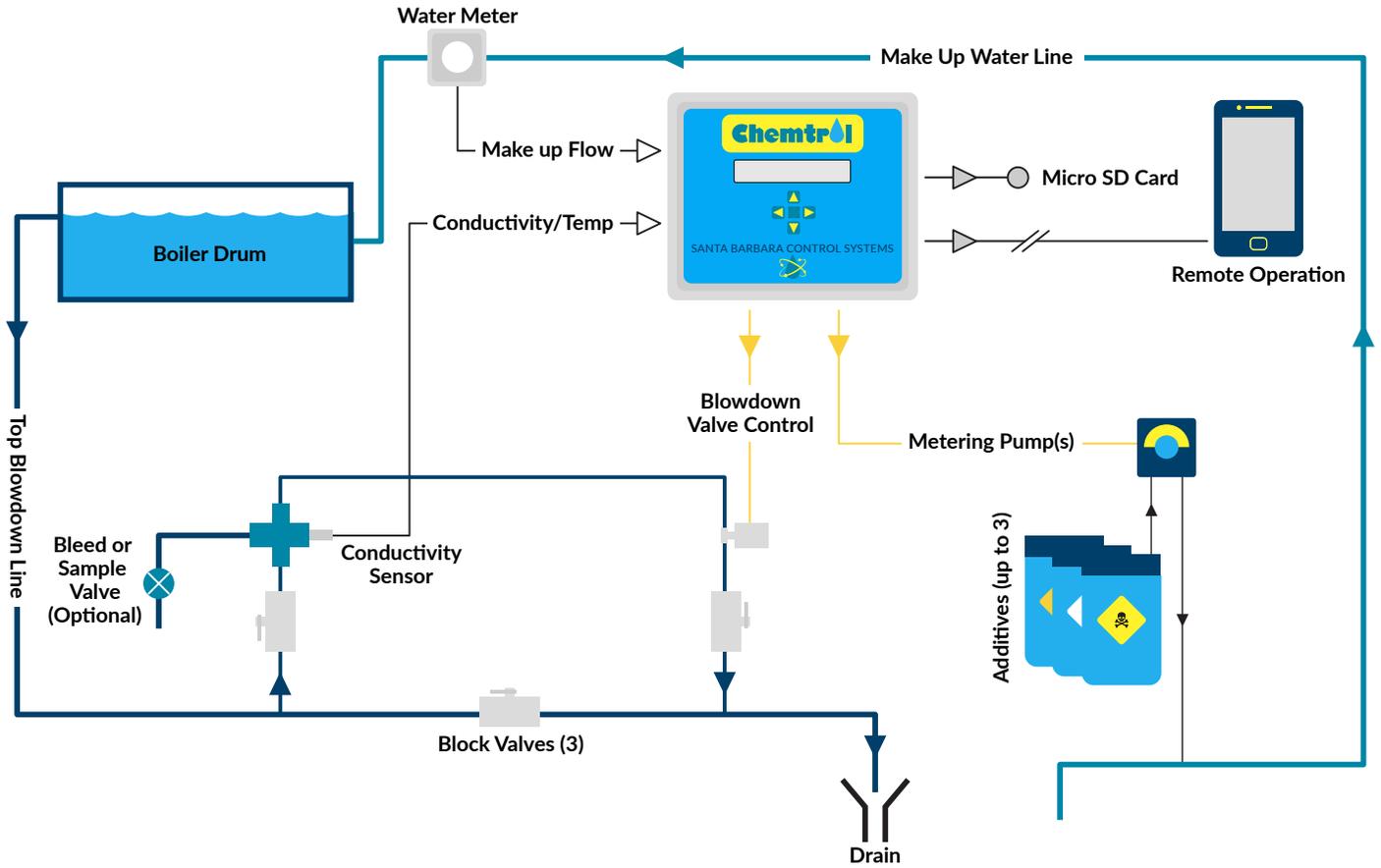
- Flow switch
- Remote computer operation
- Webserver
- MODBUS / Bacnet

(BT110 controls (1) Boiler | BT112 controls (2) Boilers)



Remote Computer Operation

Chemtrol® BT110 BOILER CONTROLLER BT112



MEASUREMENT		BENEFITS
TDS	0-20,000 uS/cm or ppm	Conversion factor for Conductivity
Temperature	0 to 205 C (400F)	
Sensor Calibration	1 or 2 point calibration	
Control Modes	Off, manual, automatic, timer, bleed & feed, bleed-then-feed	Daily schedule
Langelier Index	-.5 to +.5 programmable	Calculated from pH, temp, total alkalinity & calcium hardness
Alarms	High, low, out of range, overfeed & total run time	Visual, audio alarms and external alarms
Data Logging	Onboard memory up to 999 tests	Micro SD Card for local download
BMS*	Webserver communication / 4-20mA Bacnet, Modbus, LON	Remote software & graphics display
Warranty	5 year electronics 1 year sensors	
Electrical	10 A/110 or 230 V with selector switch 24 VAC option	All output relays 5A
Mechanical		NEMA 4X Fiberglass cabinet
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.