

CC-600 STEAM BOILER MASTER CONTROL

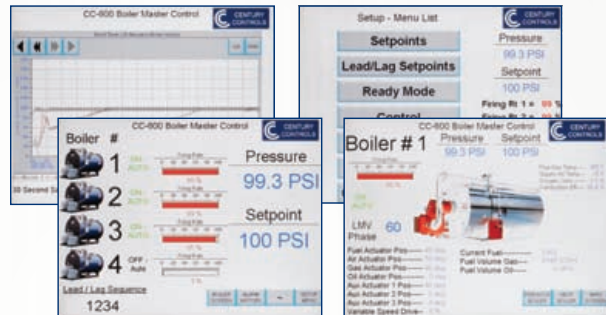
THE ALGORITHM MAKES THE DIFFERENCE™



Century Controls CC-600 Steam Boiler Master Controller is a proven way to optimize a series of modulating boilers to meet steam demands. The patented algorithm, designed by boiler experts, controls boiler firing rates and makes intelligent lead/lag decisions. Automatic alternation and idle boiler warm-up features eliminate chemical carryover and keeps boilers ready to operate when needed. The controller utilizes the sophisticated flexible algorithm to maintain tight control of pressure setpoint in the most energy efficient manner. The algorithm makes the difference in the amount of money saved and the performance of the system.

NEW

- Touch screen user interface
- Easy setup and configuration
- Graphical display of boiler operation and historical trending



NEW



SIEMENS

- Siemens Flame Safety Integration
- Digital communications with LMV Control Modules
- Seamless integration and startup
- One point access for all boiler information

Benefits

LOWER FUEL COSTS: Optimizes the boiler lead/lag operation by continually monitoring the rate of change in steam pressure which allows multiple boilers to efficiently work together to achieve system setpoints. This algorithm eliminates lag boiler cycles and ensures boilers are firing at most efficient firing rates. This "smarter" algorithm typically produces a 5-15% reduction in fuel consumption.

LOWER MAINTENANCE COSTS: Reduces stress on boiler tubes and refractory by reducing lag boiler cycles and eliminating large firing rate changes. This "gentle" approach significantly extends boiler equipment life.

SUPERIOR VERSATILITY: Integrates with all boilers, burners, burner controls, including linkage based or linkageless systems. Also provides setpoint flexibility with regard to speed of load change response, idle boiler warm-up options, lead boiler alternation schemes, scheduling interface and integration with pumps and steam consuming devices.

REDUCE EMISSIONS: Reduces greenhouse gas emissions by reducing fuel consumption.

CC-600 STEAM BOILER MASTER CONTROL

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CC-600 Patented Boiler Master, Efficiency And Complete Control

Century Controls CC-600 Boiler Master Control provides efficient, coordinated control of multiple steam boilers. The CC-600 will minimize the drop in pressure with large load changes and reduce cycling of the boilers. All boilers are controlled at their optimal firing rates, saving fuel. Reducing cycles minimizes equipment wear by preventing thermal shock to tubes and refractory.

The Century Controls patented algorithm starts lag boilers based on load conditions, not pressure offsets. Boilers are started before large drops in pressure occur. This allows a slow nudge of the boiler up to operating point reducing stress and thermal shock issues. CC-600 controllers prevent sudden increase in water level requirements that lead to unnecessary shutdown and carryover. Boilers are shed when they reach operating conditions that are inefficient, saving energy. The sophisticated algorithm will optimize the operation of the steam system.

Specifications

- Display8" color TFT touch screen, or backlit LCD
4 line 20 character w/keypad
- Pressure Sensors.....0-30 PSIG, or 0-200 PSIG 4-20 mA sensors
- Ratings.....UL /CUL approved, NEMA 12 panel
- Modulating Output.....4-20 mA or 0-135 Ohm
- WarrantyTwo years
- FuelsSingle or dual fuel
- Controller.....PLC based

Options

- Automatic alternation of lead boiler
- Timed or temperature warm-up of idle boilers
- Dual setpoints for night or scheduled turndown
- Communication Interfaces: BACnet MSTP, BACnet IP, LON, Modbus, Johnson Controls Metasys Integration
- Siemens LMV Modbus communications integration

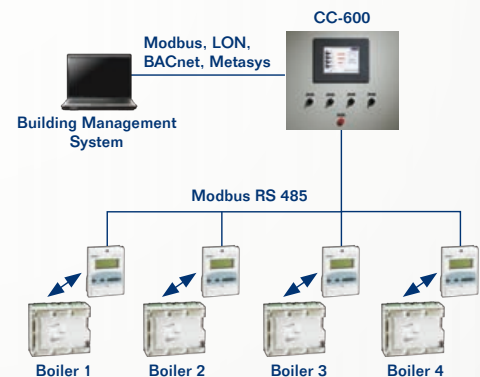
In addition to Master Controls, Century Controls has additional boiler room solutions that include O₂ trim systems, feed water and draft control.

Control Your Boiler Room Operation

- Individual boiler setpoints for add and shed decisions
- Dual control speeds for above or below setpoint
- On site configuration to meet load conditions
- Anticipatory control options or special sequences available
- Automatic lead/lag alternation and idle boiler warm-up features
- Interfaces directly with linkage based and linkageless burner controls.
- Automatic or manual mode operation of boilers
- Intelligent lead/lag operation based on size and efficiency of boilers

The NEW Enhanced Controller

Now available with two-way digital communication with Siemens LMV system; one access point for all boiler and burner information plus a large touch screen for easy setup and graphical display of operation.



12510 Fletcher Lane No., Suite L,
Rogers, Minnesota 55374
Phone 763.428.1201 • Fax 763.428.1495
www.centurycontrols.com
Email: info@centurycontrols.com

Represented By: