

C C BOILER

Sales & Service, Inc.



Building Relationships Since 1977

Serving North Carolina, South Carolina, Virginia, West Virginia

Factory Cleaver-Brooks Support

- *Genuine* Replacement Parts
- *Platinum* Stocking Warehouse
- Factory Trained Service Technicians
- Rental Boiler Systems
- Boiler Operations Training

Efficiency

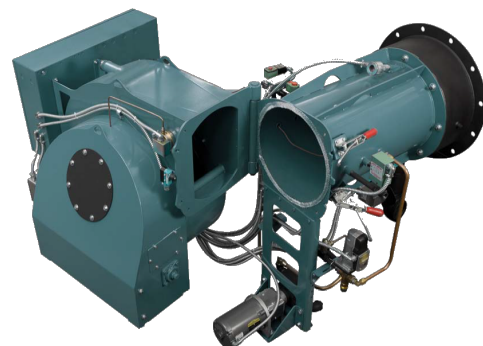
- Emission Energy Reduction Systems
- Burner Retrofits & Upgrades
- Combustion Control System Upgrades
- Condensate System Upgrades
- Instrumentation Improvements

Experience

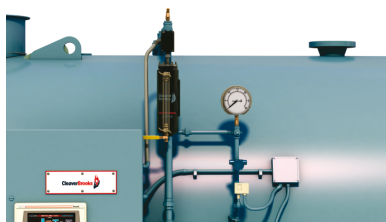
- Authorized NBIC "R" Stamp Holder
- Authorized ASME "PP" Stamp Holder
- Specialized Project Services
- Packaged Boiler Services



**STEAM & HOT WATER
BOILERS**



**BURNER
SYSTEMS**



**LEVEL MASTER
LOW WATER CONTROL**



HAWK CONTROLS W/ VSD

CALL US TODAY AT 800.333.1631

YOUR AUTHORIZED **CleaverBrooks**  REPRESENTATIVE

Corporate Headquarters
C&C Boiler Sales & Service, Inc.
3401 Rotary Dr.
Charlotte, NC 28269
www.ccboiler.com

DAILY *	WEEKLY	MONTHLY	QUARTERLY **	ANNUALLY **
Check water level	Check for tight closing of fuel valves	Inspect burner	Test & Blowdown low water cut offs	Clean fireside surfaces
Blowdown boiler	Check fuel and air linkage	Check cams	Test & Blowdown feedwater controls	Clean breeching
Blowdown water column	Check indicating lights and alarms	Inspect for flue gas leaks	Test & Blowdown water column	Clean waterside surfaces
Check combustion visually	Check operating and limit controls	Inspect for hot spots	Check gauge glass	Check oil storage tanks
Treat water according to the established program	Check safety and interlock controls	Review boiler blowdown procedures	Check pressure regulating controls	Check fluid levels on hydraulic valves
Record boiler operating pressure/temperature	Check low water cutoff(s) operation	Check combustion air supply /clean intake	Check burner & test flame failure controls	Check gauge glass
Record feedwater pressure/temperature	Check for leaks, noise, vibration, unusual conditions, etc.	Check all filter elements	Check condensate tank, pump, vent and piping to boiler for leaks, corrosion or erosion	Remove and recondition safety valves
Record flue gas temperature	Check operation of all motors	Check fuel systems	Check boiler breeching, stack and damper	Check oil pumps
Record oil pressure and temperature	Check general burner operation	Check belt drives	Check amperage draw on blower motor and feedwater pump	Check boiler feed pumps
Record gas pressure	Check lubricating oil levels	Check lubrication requirements	Check oil control valves and switches	Check condensate receivers
Record atomizing pressure	Check flame scanner assembly		Check gas control valves and switches	Check chemical feed systems
Check general boiler/burner operation	Check packing glands		Check all door bolts for tightness	Tighten all electrical terminals
Record boiler water supply and return temperature	Check gauge glass		Check combustion efficiency on one fuel and adjust air fuel controls for optimum efficiency	Check deaerator/boiler feed system
Record makeup water usage	Check door bolts			40-Point Inspection Report
Check operation of auxiliary equipment				

*Daily items may be done more than once per day

**C&C Boiler offers Preventive Maintenance Agreements for Quarterly & Annual Services

North Carolina – South Carolina – Virginia – West Virginia

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Charlotte, NC 28269

P: 800.333.1631

BUILDING RELATIONSHIPS SINCE 1977

Preventive Maintenance Agreements

- Stay running with minimal downtime
- Keep your boiler operating safe
- Time is Money - Keep your Boiler Efficient

QUARTERLY EXTERNAL SERVICE/TUNE-UP

3 VISITS PER YEAR

1. Test and blowdown low water cutoffs, feedwater controls, water column and gauge glass.
2. Check pressure regulating controls.
3. Check burner and test flame failure controls.
4. Check condensate tank, pump, vent and piping to boiler for leaks, corrosion or erosion.
5. Check boiler breeching, stack and damper.
6. Check amperage draw on blower motor and feedwater pump.
7. Check oil control valves and switches.
8. Check gas control valves and switches.
9. Check all door bolts for tightness. Customer will need to re-tighten door bolts periodically.
10. Check combustion efficiency on one fuel and adjust air fuel controls for optimum efficiency.
11. Submit written report of work performed.

ANNUAL INTERNAL SERVICE

1 VISIT PER YEAR

1. Open both fireside and waterside of boiler.
2. Clean fireside of normal soot deposits.
3. Flush the normal loose scale from the waterside.
4. Visibly check both fireside and waterside for cracking, pitting, corrosion, erosion and scale.
5. Remove water column heads and inspect water column piping.
6. Check steam, feed and blow off connections.
7. Check tube sheets and tubes for evidence of water leakage.
8. Check condition of refractory in doors and burner throat.
9. Repair minor cracks in refractory and washcoat as needed.
10. Install new gaskets and seal fireside and waterside.
11. Check combustion efficiency on one fuel and adjust air fuel controls for optimum efficiency.



Thank You for considering C&C Boiler for your boiler room needs. We have been a single source solution since 1977, and look forward to continuing a relationship with you as a preferred vendor. We take pride in our work, and always strive to make customer service a priority. If you have any questions, please do not hesitate to contact us.

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