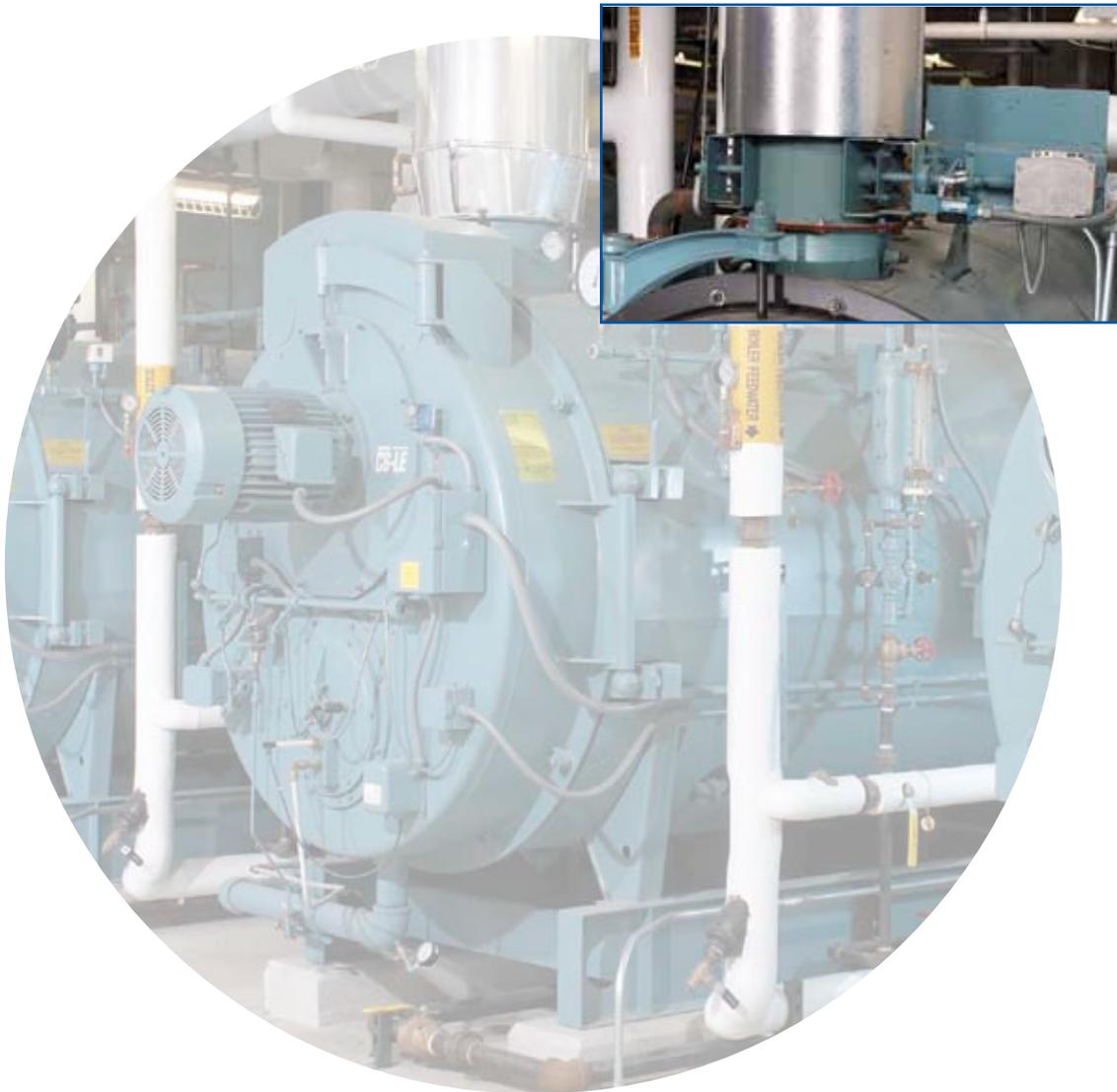


MAXIMIZE BURNER PERFORMANCE

Stand Alone Draft Control

The Cleaver-Brooks Accu-Draft is a stand-alone stack draft control system designed to maintain stack draft on set point throughout the firing range of the boiler. This is achieved by modulating the draft damper in response to the deviation between the measured draft and an operator adjusted set point.



CB Accu-Draft

PLC Based Control

Increase Boiler Efficiency

CB Accu-Draft Control improves flame stability by maintaining optimum furnace pressure as well as improving boiler efficiency by reducing heat loss after boiler shutdown by automatically closing the outlet damper. This control is ideal in systems where multiple boilers share a common stack and outlet ductwork, or in a single boiler application with high natural draft.

Features:

- PLC based control
- HMI touchscreen interface
- Feedback and feedforward option
- Adjustable set point and alarm limits
- Auto and manual modes
- Input and output monitoring
- Access to gain and reset timing parameters
- Password Security

The draft damper assembly consists of the physical damper, connecting linkage, modulation motor, pressure transmitter and pressure switch.



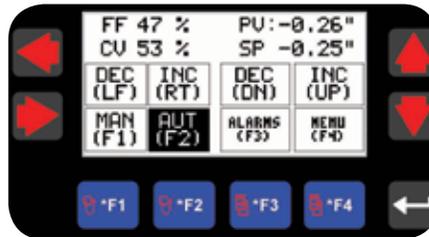
The 3" HMI provides the Operator access to the Control screen, alarm history screen, and monitor I/O screen. Secured screens are provided for loop tuning and for initial system setup.

Menu Screen



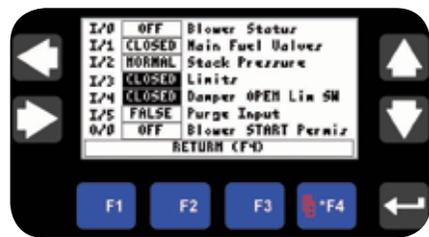
Provides the user access to the stack draft control, system setup, Panelview Configuration and I/O Monitoring.

Control Screen



The control screen displays the relationships between stack draft and set point, feedforward variable and damper. Also, controls set point adjustment, select auto or manual mode; and increase/ decrease the output to the outlet damper.

I/O Monitor Screen



Indicates status of all discrete I/O wired to the system for troubleshooting and commissioning support.

Alarm History



The alarm history shows all acknowledged and unacknowledged alarms with time stamp. Alarms include High Stack Pressure and Stack Damper not In Purge Position.



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