



Associated Boiler Line Equipment Co., Inc.

Integrity, Safety, Quality
ABLE Company, Trusted since 1972



ABLE Company PLC Based
CCS
COMBUSTION
CONTROL
SYSTEM



Introducing



NEXGEN
CCS

CCS *That is Easy to Use*

Quick Commissioning • Multiple Configurations • Flexible

ABLE's CCS is based on industry-proven PLC's from Allen-Bradley. The NeXgen line of pre-engineered products are ideal for retrofits and new boilers big and small.

CONTROL CABINET DETAILS

- NEMA 12 floor or wall mounted enclosure
- Color HMI touchscreen interface standard
- Fully configurable via color touchscreen
- Allen-Bradley CompactLOGIX PLC
- NFPA 85 compliant
- Ethernet/IP communication

COMBUSTION CONTROL DETAILS

- Single point positioning
- Parallel positioning
- First out full alarm annunciation including lockout information
- Fully metered, cross limited with optional O₂ trim

DUAL FUEL FIRING

- All configurations include the ability to fire multiple fuels include oil, gas, or optionally both. A second fuel can be added to the BMS in the future if only one fuel is available during initial commissioning. I/O to support dual fuel firing is standard providing maximum flexibility.

VFD SUPPORT

- The PLC configuration includes VFD control of the forced draft fan with independent control curves for each fuel including operation of the burner if the VFD is in bypass. Using a VFD for FD fan operation increases electricity savings versus operation the fan at full speed regardless of boiler load.

3 ELEMENT DRUM WATER LEVEL CONTROL

- 3 Element drum control uses signals provided by the drum level, feedwater flow and steam flow transmitters to provide the ultimate in drum level control especially if your boiler is subject to rapidly changing steam load requirements.
- Furnace Draft Control
- Designed and Built in the USA
- Fully featured touch screen provides easy operation of all functions.



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