ABLE Company

Associated Boiler Line Equipment Co., Inc.

Integrity, Safety, Quality
ABLE Company, Trusted since 1972

Integrated

BMS/CCS
BOILER
CONTROL
SYSTEM

NEXGEN COMBO

Introducing

NEXGEN
COMBO

The NeXgen Combo provides complete boiler control system with commonly available off the shelf, non-proprietary control system that is pre-programmed and ready for commissioning when shipped. The BMS and CCS each have dedicated Allen Bradley PLC's in accordance with NFPA 85 requirements.

CONTROL CABINET DETAILS

- NEMA 12 floor or wall mounted enclosure
- Clean layout with proper power distribution
- Fully configurable via Color HMI touchscreen
- Allen-Bradley CompactLOGIX PLC or Fireye® Platforms available
- NFPA 85 compliant
- Ethernet/IP communication

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.

DUAL FUEL FIRING

- All configurations include the ability to fire multiple fuels include oil, gas, or both. A second fuel can be added to the BMS in the future if only one fuel is available during initial commissioning.

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.

BURNER MANAGEMENT DETAILS

- Support 1 or 2 IR/UV flame safeguard scanners with PLC option
- First out full alarm annunciation including lockout information
- Provides standby, purge, low fire ignition, main fuel light off, and release to modulate sequencing for oil and gas fired burners.
- First out full alarm annunciation including lockout information

COMBUSTION CONTROL DETAILS

- Single point positioning
- Parallel positioning
- Fully metered, cross limited with optional O_2 trim

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