

BurnerMate® TS

Touch Screen Boiler Control, Flame Safeguard, and Monitoring System



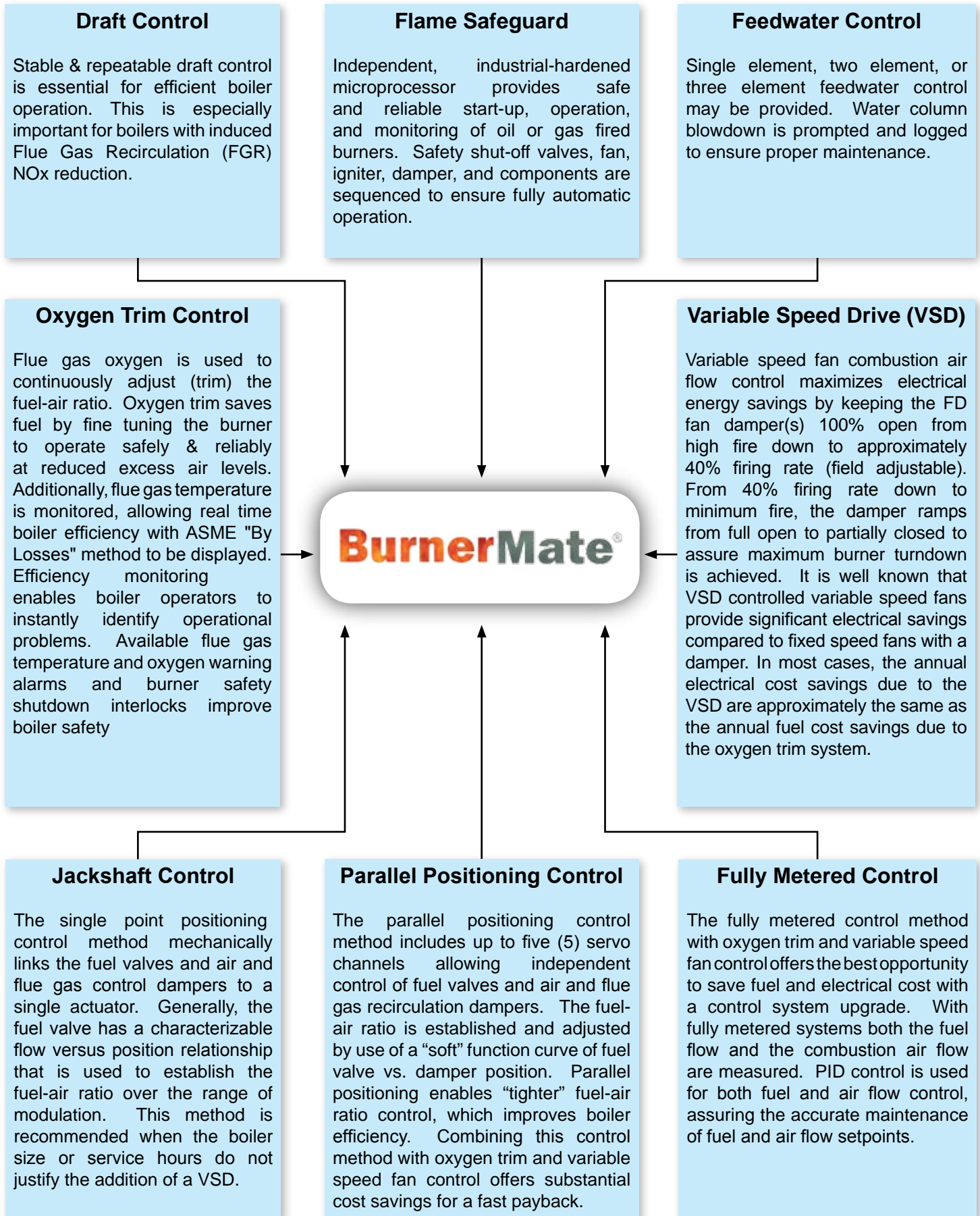
- Accurate Fuel-Air Ratio Control
- Fuel Saving Oxygen Trim
- Electrical Energy Saving Variable Speed Drive (VSD)
- Easy to Use Touch Screen Operation and Commissioning
- Remote Monitoring via Standard Web Browser
- Integrated Flame Safeguard



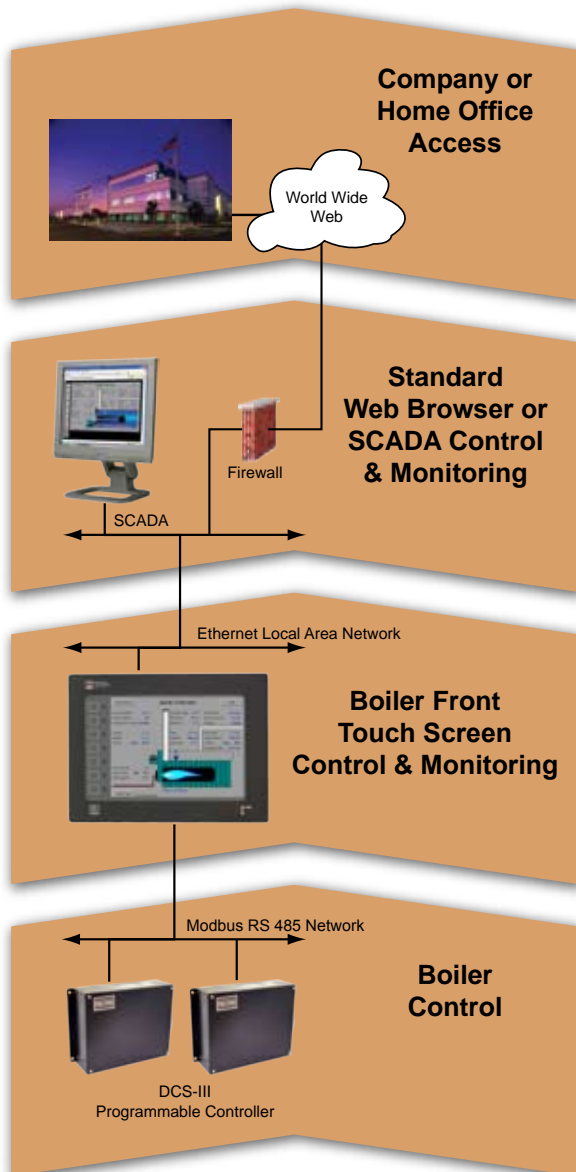
PREFERRED INSTRUMENTS

Complete Boiler Control

Integrated fuel-air ratio, flame safeguard, draft, feedwater controls



Advanced Communications



Internet, Web Site Access

A standard WEB Browser provides remote monitoring and operation. Custom software is not required. Historical alarm and event data can be imported to spreadsheet applications such as MS Excel®.

Intranet Communication

The ethernet communication port is easily assigned an IP address and connected to a facility wide network. Remote monitoring, control and data collection is available via a standard WEB Browser. Building Automation Systems and SCADA Systems are interfaced via industry standard MODBUS Ethernet communication.

Touch Screen Operator Interface Terminal

Monitor and control boiler operation, setpoints, and process data from one convenient display. Commissioning activities are laid out in an easy to follow step by step procedure, eliminating the need for knowledge of controller menus and programming languages.

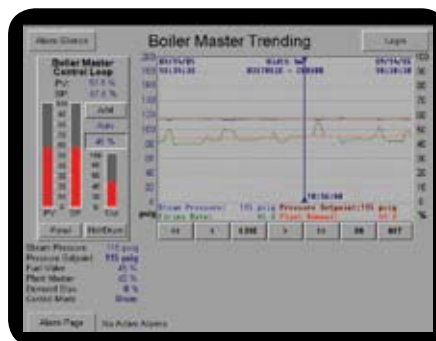
DCS-III Programmable Controller

The DCS-III is a state-of-the-art boiler-focused programmable logic controller. The large I/O quantity, small sub-panel foot print, intuitive "Blockware", redundant memories, and built-in industry standard communications allows the DCS-III to be integrated into complex boiler control systems with a minimum number of external components.

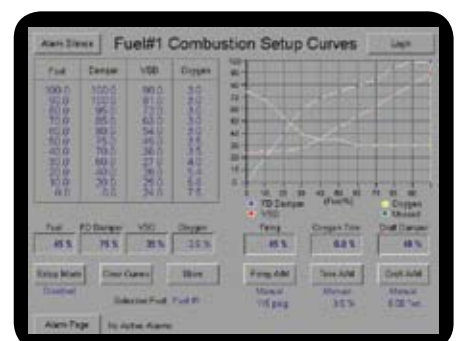
Easy to Use Touch Screen



Flame Safeguard Overview
At-a-glance burner maintenance and trouble-shooting information.



Historical & Real Time Trends
Easy to use multiple pen charts allow quick boiler assessment and maintenance monitoring.



Fuel-Air Ratio Curve Setup
Setup screen is provided to enter setup data and to inspect the resultant fuel-air profile.

Designed, Manufactured, & Serviced by Preferred Instruments

Controllers

Precise control for your specific boiler room application:

- Plant Wide Controller (PWC)
- DCS-III Programmable Controller
- BurnerMate Universal Controller
- JC-22D Draft Controller
- PCC-III Multiple-Loop Controller



Operator Interface

Local and Remote operator, technician, plant engineer or manager focused user interface stations:

- SCADA/Flex Distributed Control Station
- JC-10D Process Bargraph Indicators
- PCC-III Controller Faceplate Display
- BurnerMate Universal Message Display
- OIT6 Operator Interface Terminal
- OIT10 Operator Interface Terminal



Control Devices

Linear, Rotary, Trim, or Servo Actuators:

- DM-1E Rotary Actuator 150 in-lbs
- LTA Link Trim Actuator Up to 76 lbs of thrust
- SM-3 Servo with Valve 36 in-lbs
- SM-15 Servo with Valve 180 in-lbs
- SM-37 Servo with Valve 444 in-lbs
- PL Linear Actuator 100 or 200 lbs



Sensors

- Tank Gauge and Leak Detection Sensors
- Pressure 4-20 mAdc
- Temperature 4-20 mAdc, Thermistor
- ZP Flue Gas Oxygen Sensor
- PCC-300 EPA Certifiable Opacity Monitor
- JC-30D Opacity Monitor



Represented by:



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