

Furnace Screening

What is a Furnace Screening?

Uncover combustion system abnormalities and variances, emphasizing the critical need for continuous monitoring to ensure optimal furnace performance.

- Installation of portable combustion monitoring equipment
 - Monitor combustion data: Excess O₂, CO, NO_x, Combustion Air Pressure, and Gas Pressure
- Collaboration with your maintenance team
 - Review historical furnace issues
 - Control furnace fire rate to screen control valving and turndown operation
- Data analysis for variations
 - Time to time, burner to burner, zone to zone, setpoint vs. actual
- Verification of valve functionality
 - Motorized Control Valves, Gas Flow Regulators, Butterfly Valves, Adjustable Limiting Orifice Valves



Deliverables:

- Continuous combustion data for the duration of the screening
- Technical report and analysis of the combustion data
 - Data review highlighting furnace components, control system, variances in the combustion system, tuning procedures, combustion efficiency, recommendations for equipment modifications and next steps



Your Experts in Combustion Technology