



Burner Compliance Checklist



1. VISUAL INSPECTION

- ✓ Burner Management System
- ✓ Burner Assembly
- ✓ Fuel Train
- ✓ Flame Arrestor
- ✓ Firetube and stack

2. COMBUSTION ANALYSIS

- ✓ Observe Inefficiencies and Potential Errors

3. FT IGNITION SERVICING

- ✓ Verify igniter ohm value (1.6 – 2.3 normal range)
- ✓ Visually inspect for damage to flame sensor, wiring harness, etc.
- ✓ Verify air fuel mixer settings and orifice condition
- ✓ If using a pilot burner, ensure pilot positioning and mixer's orifice condition

4. FIRETUBE AND FLAME ARRESTOR

- ✓ Inspect and remove debris and soot from firetube.
- ✓ Inspect and service flame arrestor per OEM's specifications

5. FUEL SUPPLY

- ✓ Fuel gas pressure is within engineered specifications (8-12 main or pilotless / 5-7 pilot)
- ✓ Fuel gas lines are free of leaks, corrosion, or mechanical damage
- ✓ Components are in good condition or properly maintained
 - Valve and regulator seals replaced
 - Filters cleaned or changed
 - Fuel pots emptied of liquid
 - Pressure gauges are functional
 - Adjustable components are adjusted correctly

6. SAFETY AND CONTROL DEVICES

- ✓ Perform sequence of operation testing with the BMS controller
- ✓ Ensure high and low temperature setpoints (electronic or pneumatic) are set and operational
- ✓ Ensure ESD tie-ins are tested and verified as functional
- ✓ Perform "flame out" simulation testing to ensure loss of flame is detected and reignition sequencing is operational

7. FINAL BURNER TUNING

- ✓ Set the burner pressure and fine-tune the burner for optimal results