

HIGH EFFICIENT BURNER INSTALLATION

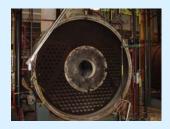
Step 1

Analyze current situation and include any identified future changes, select equipment, generate cost savings and project cost, obtain authorization to proceed.



Step 2

Create job schedule based on customer's requirements and equipment delivery, order equipment and materials, organize manpower and tools for deployment.



Step 3

Week 1 -

Remove existing burner and controls, inspect condition, install new burner and controls, and gas train. Tear down and housekeep job site.



Step 4

Week 2 -

Power up new burner, analyze and calibrate all controls, provide owner training, produce and complete owner's punch list. Owner checks off completion.





CONTACT: Don Hidden (309) 674-6644 Ext. 206

dhidden@ruylecorp.com

GO LINKAGELESS WITH A FUEL/AIR RATIO CONTROLLER....

With energy costs soaring, a fuel/air ratio controller provides the means necessary to maximize system efficiency while reducing plant fuel costs significantly.

1) <u>ENERGY SAVINGS –</u>

- Reduces fuel usage from 5-15% or more
- Prevents the burner from short cycling
- Many utility companies offer rebates if linkageless fuel/air systems are installed
- Increases the turndown ratios

2) MAXIMUM BURNER EFFICIENCY –

- Matches the load to the boiler firing rate
- Combustion efficiency is maximized throughout the curve, instead of only at one point
- Multiple points on the fuel/air curve
- Accuracy of the servo motors is \pm .1 degree
- Constantly monitored and checked by the microprocessor

3) <u>INCREASED EQUIPMENT LIFE</u> –

- Equipment cycles less frequently
- Reduces wear and tear
- Extends the equipment's lifespan
- Eliminates costly down time on the boiler
- 99% maintenance free

4) SYSTEM RELIABILITY –

• No fuel/air ratio curve erosion due to component wear and shifting over time, as with mechanical linkage systems

5) <u>FLEXIBILITY</u> –

- Allows for two different fuels
- Two independent fuel curves
- Provides maximum efficiency for two fuels
- Can be installed on new burners or retrofitted on old burners
- Will communicate with the building's existing automation system(s)
- Will work with 02 Trim systems

6) DYNAMIC SAFETY –

- Fail safe potentiometer test
- Curve tracking verification
- Safety relay test

7) AFFORDABILITY -

- Payback is typically less than 1-2 years
- Capable, flexible, efficient and safe

8) INSTALLED LOCATIONS –

- OSF Medical Centers
- Bromley Hall University of IL, Champaign
- Ameropan Oil Company
- Evonik Chemical Corporation