

Eclipse Linnox Burners

Models Straight ULE and Tee ULE

Worksheet Edition 04.24

Version 1

Customer P.O. _____
Customer _____
Customer Signature _____
Date _____

Eclipse S.O. / Quote _____
Eclipse Rep _____
Eclipse Rep Signature _____
Date _____

NOTICE

■ For more information or recommendations see Design Guide 159 and Datasheets 159-1 and 159-2.

1. Total Required Input (based on higher heating value)

_____ BTU/h

2. Effective Row Length = _____ (Qty. of modules x 1 ft)

3. Number of Rows

1 2 3 4

4. Calculated Input per Module

5. Total Required Input per Module kBTU/hr

88.7
136.5
180.8
225.2
269.5
358.3
450.4
539.1
900.8
1351.2
1798.1
2698.9

6. Low Fire Input Required (HHV)

_____ BTU/h

7. Burner Firing Orientation

Up Horizontal Down

8. Mounting Plate and Mixture Duct Material

Mild Steel Stainless Steel (ANSI304)

9. Thread Connection Type

NPT BSP

10. Mounting Plate Insulation

No

Yes (4 inch plug)

11. Duct Spacing = _____ inch

(see sketch on next page)

12. Flame Monitoring

UV Scanner from Eclipse

13. Fuel Type

Natural Gas (LHV) _____ BTU/ft³

Natural Gas (HHV) _____ BTU/ft³

Other _____

14. Combustion Air

Temperature _____ °F

Oxygen Content _____ %

Moisture Content _____ %

Available Pressure _____ "w.c.

15. Process Air

Maximum Process Air Flow _____ scfh
(specify inlet area in sketch)

Inlet Temperature Range _____ °F

Maximum Outlet Temperature _____ °F

Moisture Content _____ %

Oxygen Content _____ %

16. Emissions Requirements

Estimate Guarantee None

(See EFE886, Eclipse's emission data request form)

17. Turndown Selection

(see PID on next page)

10:1

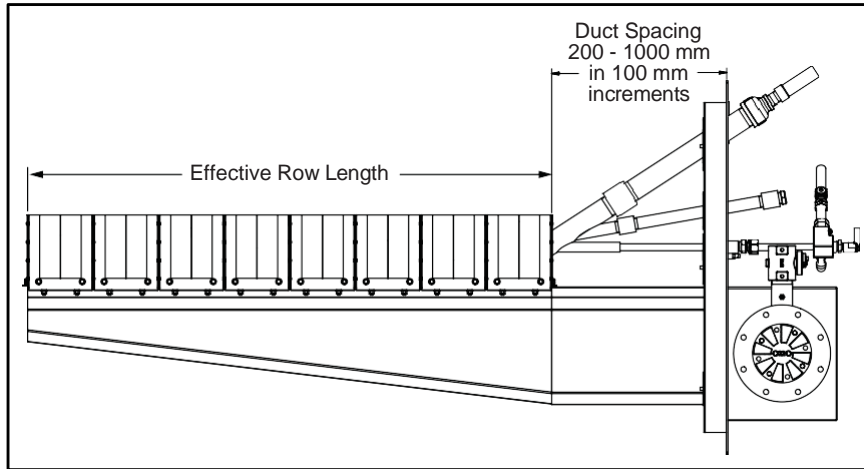
18. Burner Material

Standard

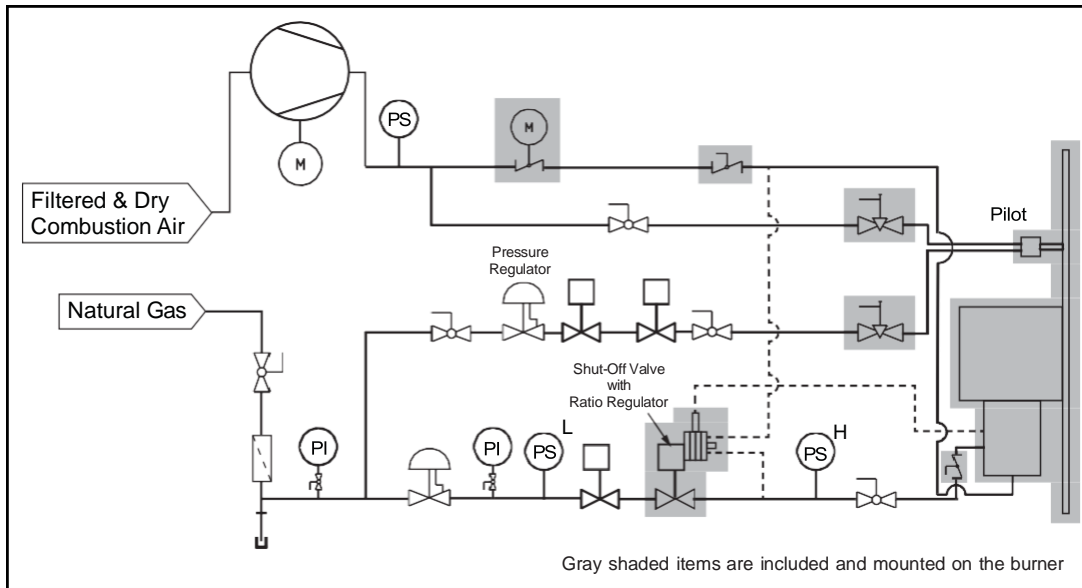
Stainless

ECLIPSE®

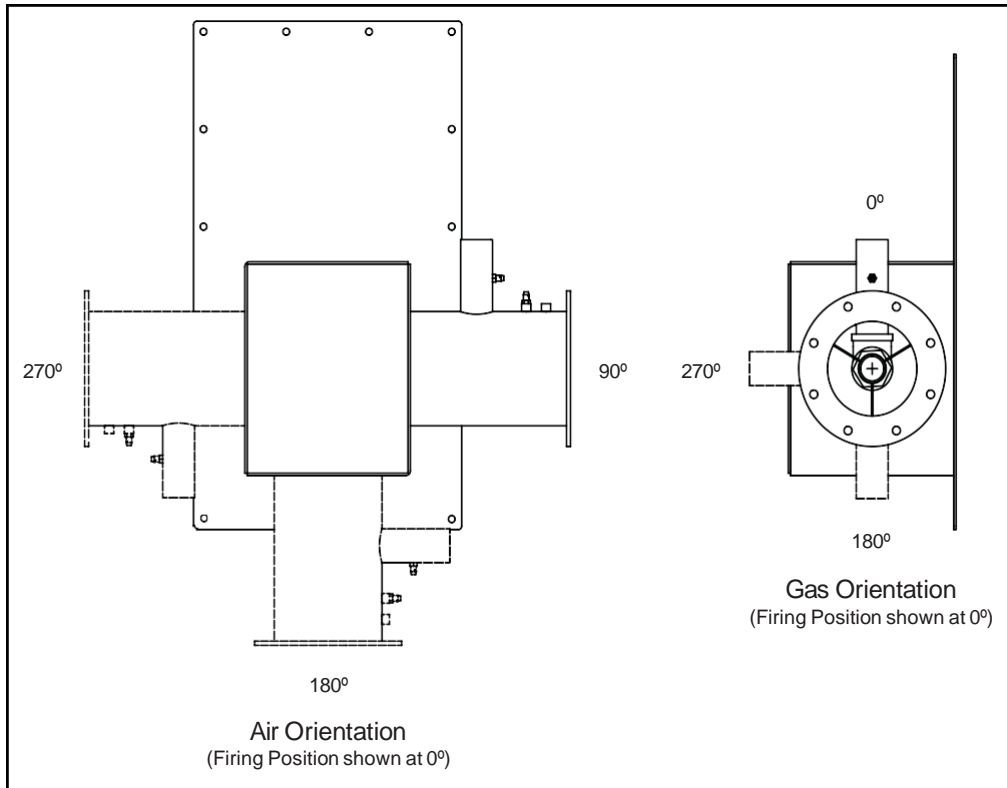
Sketch



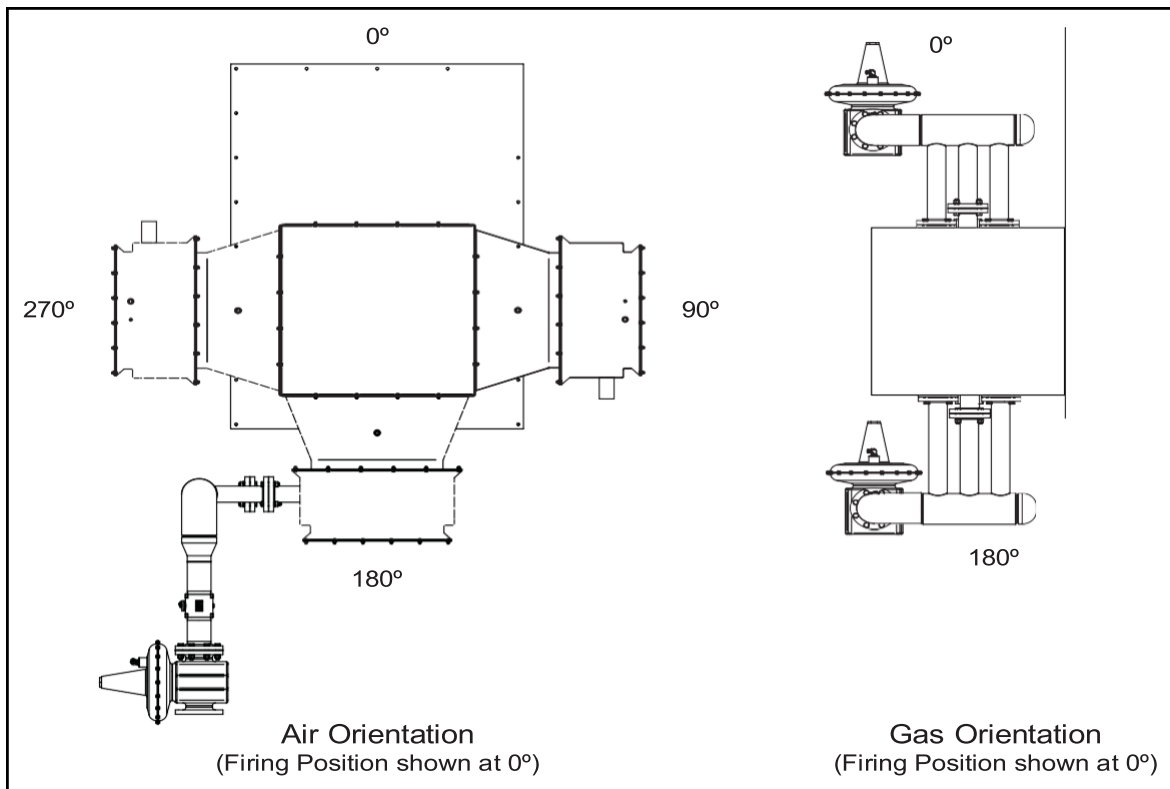
Linnox Straight ULE and Tee ULE PID 10:1 Turndown



Available Straight ULE Air and Gas Orientation Options



Available Tee ULE Air and Gas Orientation Options



I. Notes (Attach additional sketch if necessary)

II. Recommendation

Comments:

Regional Engineer _____ Date _____

Recommended Not Recommended (See Comments)

Please include this worksheet, customer specifications and customer proposal for corporate review.

DO NOT SUBMIT PROPOSAL TO CUSTOMER UNTIL CORPORATE APPROVAL IS OBTAINED.

III. Approval

Comments:

Corporate Engineer _____ Date _____

Approved Not Approved (See Comments)