Eclipse Linnox Burners

Models Straight ULE and Tee ULE

Worksheet Edition 04.24

Version 1

Customer P.O.	Eclipse S.O. / Quote
Customer	Eclipse Rep
Customer Signature	Eclipse Rep Signature
Date	Date

NOTICE

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

1. Required Input (based on higher heating value)

_____ **kW**

2. Effective Row Length = _____ **(Qty. of modules x 300 mm)**

3. Number of Rows

☐ 1 ☐ 2 ☐ 3 ☐ 4

4. Calculated Input per Module = (1)/(2 x 3)

5. Rounded Input per Module (select desired module)

☐ 26 kW
☐ 40 kW
☐ 53 kW
☐ 66 kW
☐ 79 kW
☐ 105 kW
☐ 132 kW
☐ 158 kW
☐ 264 kW
☐ 396 kW
☐ 527 kW
☐ 791 kW

6. Low Fire Input Required (HHV)

_____ **kW**

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 (100 mm plug)

11. Duct Spacing = _____ **mm**

(see sketch on next page)

12. Flame Monitoring

☐ UV Scanner from Eclipse

13. Fuel Type

Natural Gas (LHV) _____ kJ/Nm^3

Natural Gas (HHV) _____ kJ/Nm^3

Other _____

14. Combustion Air

Temperature _____ **°C**

Oxygen Content _____ %

Moisture Content _____ %

Available Pressure _____ mbar

15. Process Air

Maximum Process Air Flow _____ Nm^3/h
(specify inlet area in sketch)

Inlet Temperature Range _____ °C

Maximum Outlet Temperature _____ °C

Moisture Content _____ %

Oxygen Content _____ %

16. Emissions Requirements

☐ Estimate ☐ Guarantee ☐ None

17. Turndown Selection

(see PID on next page)

☐ 10:1

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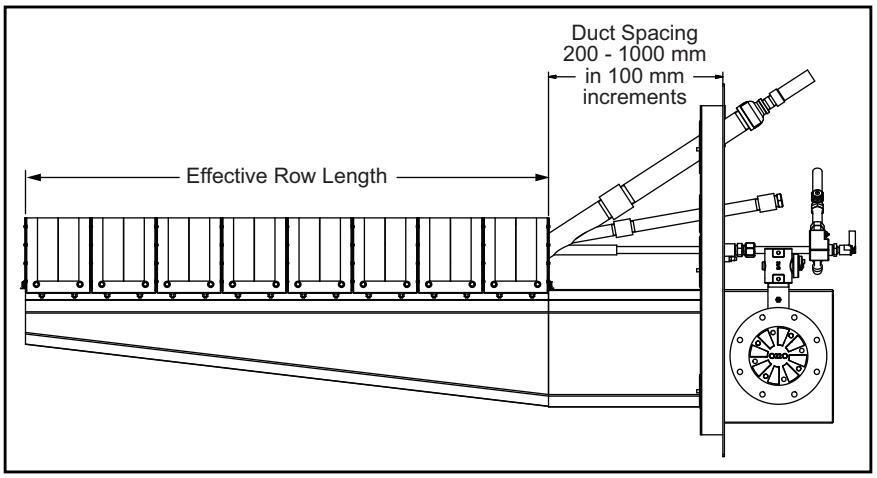
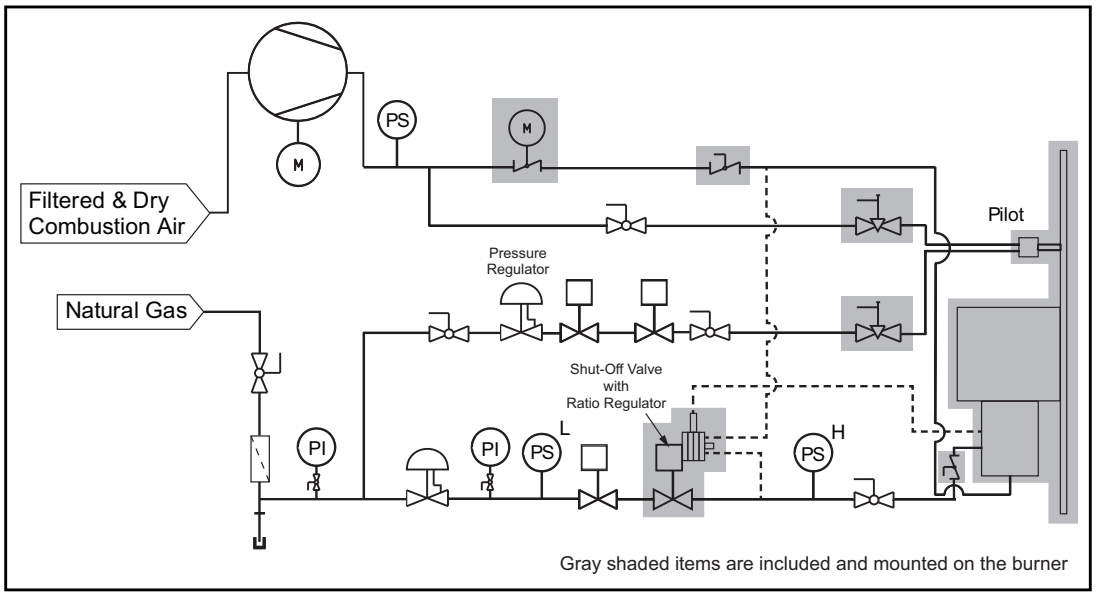
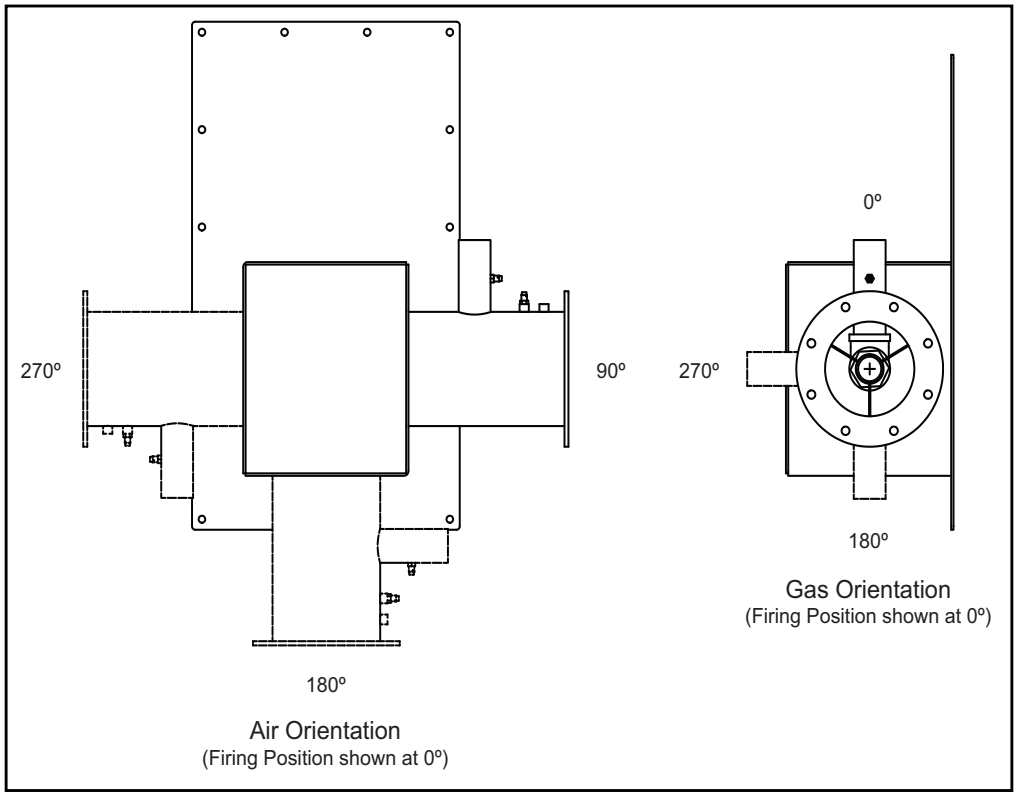
Sketch



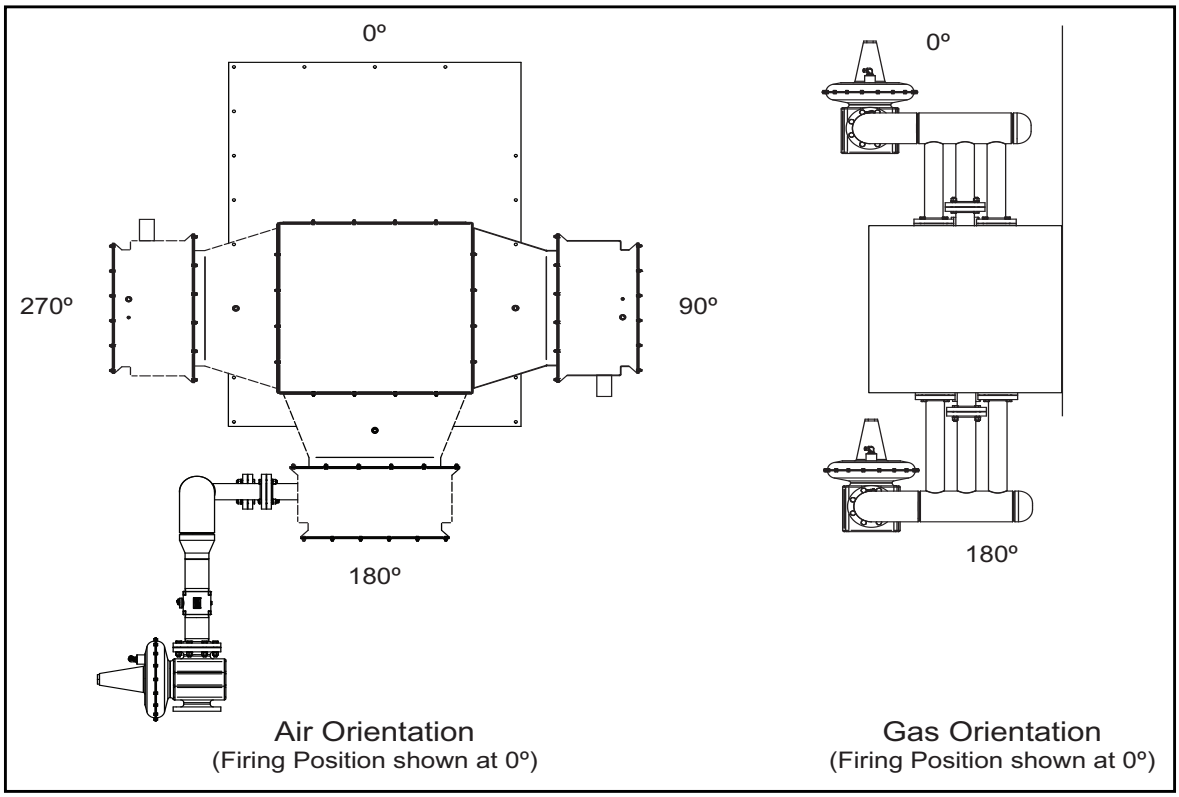
Linnox Straight ULE and Tee ULE PID 10:1 Turndown



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)