

Eclipse Linnox Burners

Models Straight ULE and Tee ULE

Worksheet Edition 5.14

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. 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 = (1)/(2 x 3)

5. Rounded Input per Module (select desired module)

90 kBtu/h
135 kBtu/h
180 kBtu/h
225 kBtu/h
270 kBtu/h
360 kBtu/h
450 kBtu/h
540 kBtu/h
900 kBtu/h
1350 kBtu/h
1800 kBtu/h
2700 kBtu/h

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 (3.9 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
(specify inlet area in sketch)

scfh

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)

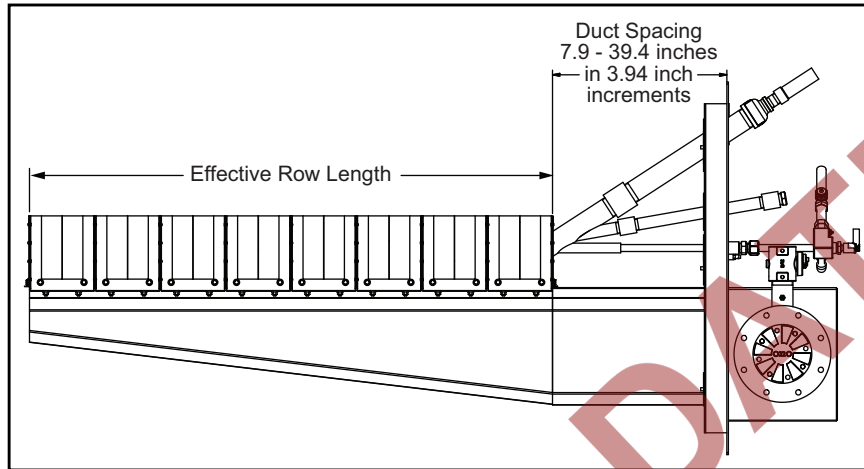
8:1

10:1

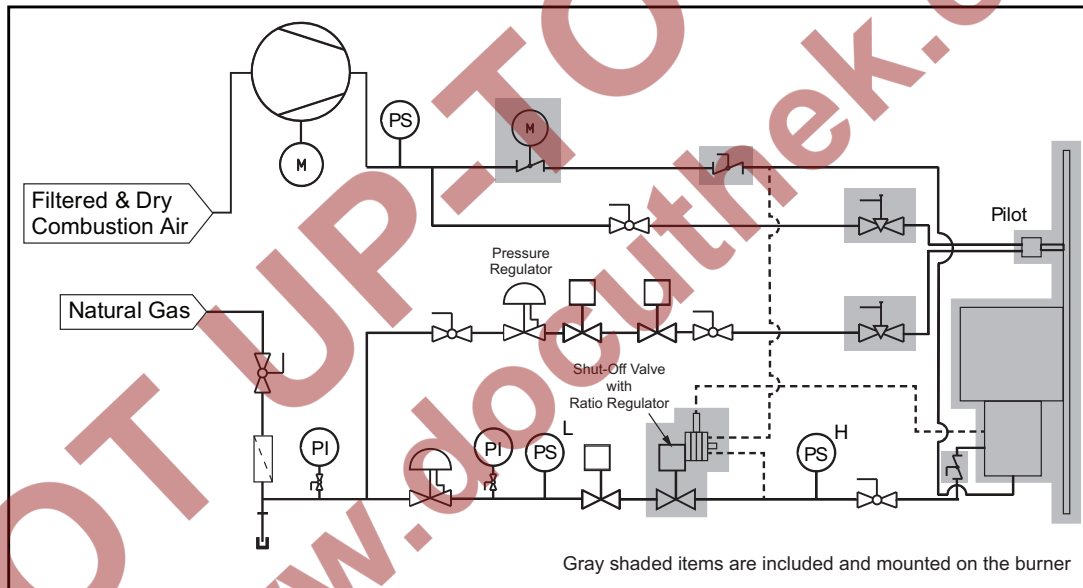


elster
Thermal Solutions

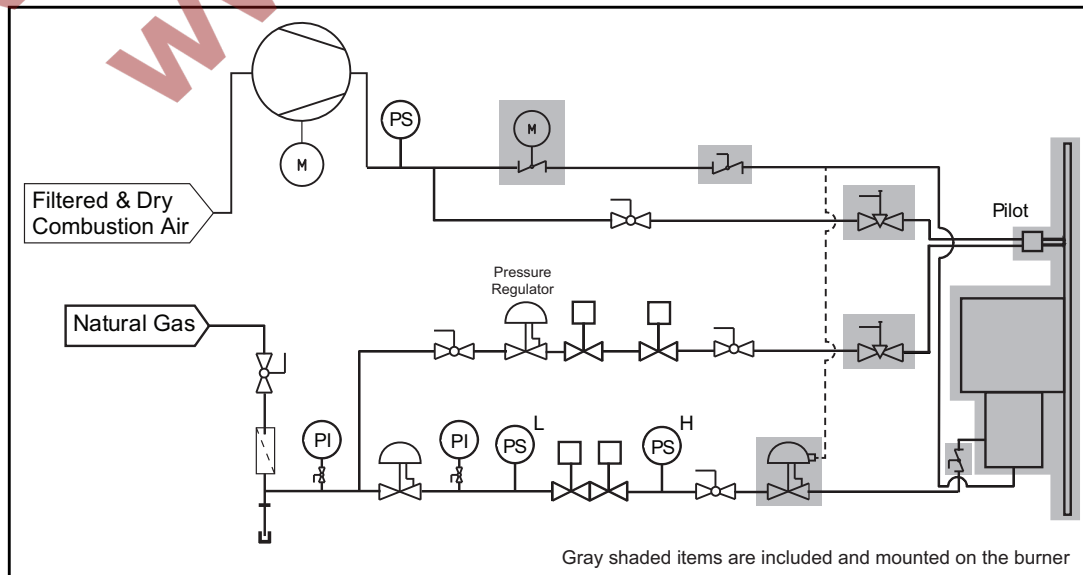
Sketch



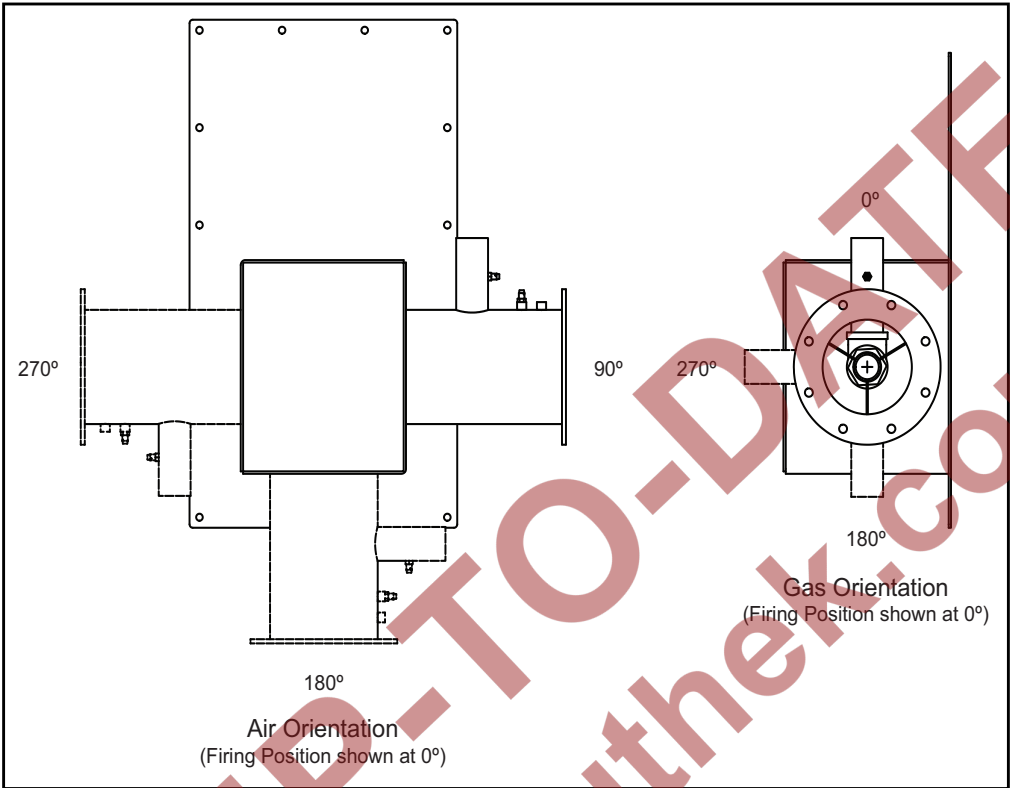
Linnox Straight ULE and Tee ULE PID 10:1 Turndown



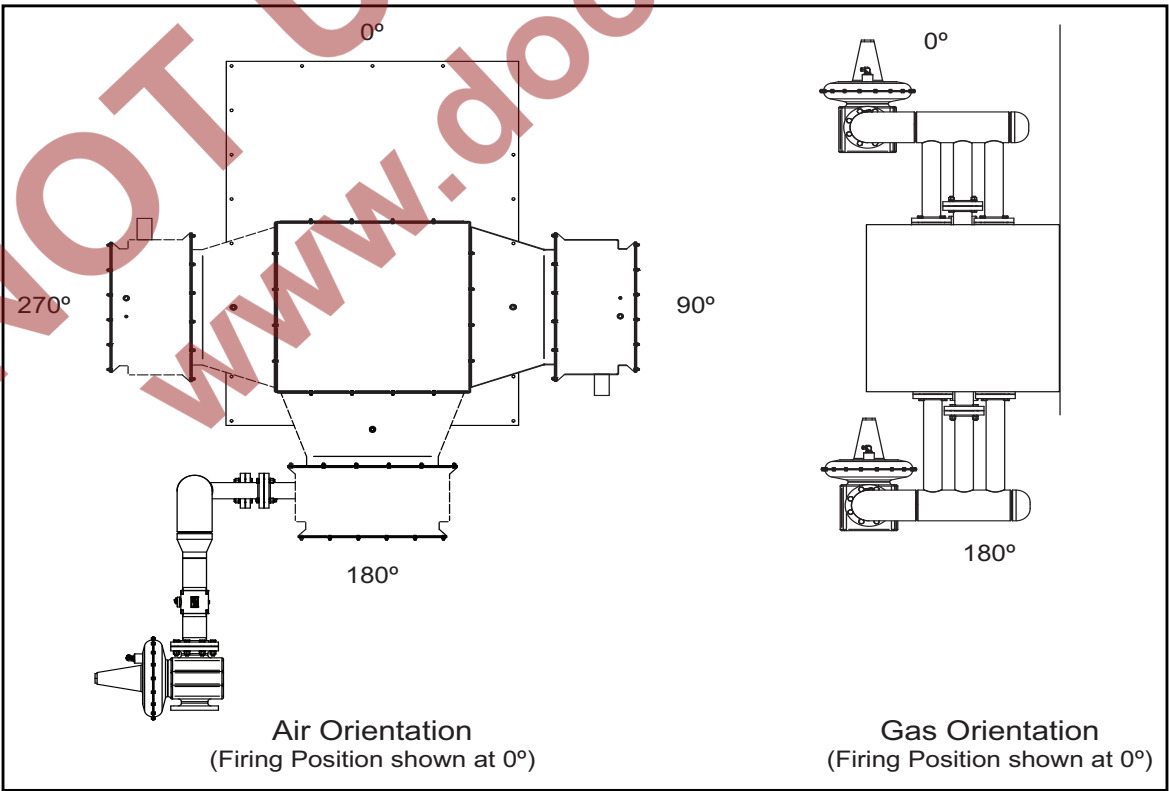
Linnox Straight ULE and Tee ULE PID 8:1 Turndown



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)