

Vortometric Worksheet

Worksheet 128-US

12/2/2011

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

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

NOTICE

- Quote # and Revision Level must be provided
- For more information or recommendations see Design Guide 128 or Datasheet Series 128-1 through 128-3
- Asteriks indicate required input

I. Burner Type

1. Burner Model*

HI ~~MMI~~

2. Burner Size*

6V	8V	10V	12V	14V	16V
18V	22V	24V	28V	32V	36V

II. Burner Configuration

1. Gas Inlet Orientation*

0 ~~90~~ 180 270

2. Pilot Orientation*

0 ~~90~~ 180 270

3. Flame Rotation*

Clockwise Counterclockwise

4. Combustor Style*

Single Alloy Tube
 Air Cooled Alloy Tube
 Refractory

5. Flame Sensor

UV IR

6. Special Control Hardware Requested

(Brand and model, attach specification if necessary)

Gas Control Valve/Actuator
 Oil Control Valve/Actuator
 Air Inlet Damper/Actuator

III. Operating Conditions

1. Burner Input*

Maximum	MMBtu/h
Minimum	MMBtu/h
Higher Heating Value	
Lower Heating Value	

2. Fuel Type*

Natural Gas	No. 2 Fuel Oil
Other	(attach specification)

3. Combustion Air

Temperature	°F
Oxygen Content	%
Moisture Content	%
Excess Air	%

4. Flue Gas Recirculation (FGR) Flow

(if applicable, before mixing with combustion air)

Exhaust Gas Temperature	°F
Moisture Content	%
Oxygen Content	%
Flow Rate	scfm

5. Emissions Requirements*

Estimate	Guarantee	None
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(See EFE886, Eclipse's emission data request form)

IV. Chamber Description

1. Application Type*

2. Refractory Wall Thickness at Burner Mounting*

in

3. Combustion Chamber*

Length	in
Diameter	in
Pressure	"w.c.
Temperature	°F

4. Burner Firing Orientation*

Up ~~Horizontal~~ Down

V. Process Air (if applicable)

Is process air introduced into the chamber?*

Yes No

Maximum Process Air Flow	scfh
Nominal Inlet Temperature	°F
Nominal Outlet Temperature	°F
Moisture Content	%
Oxygen Content	%

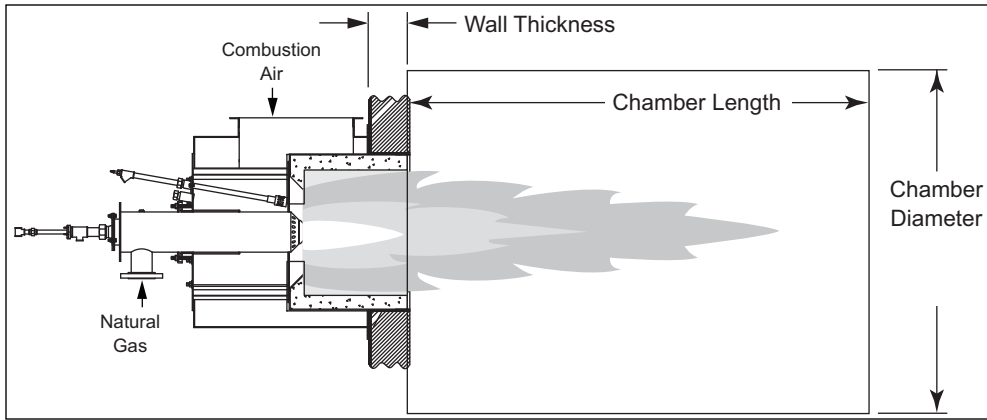


Figure 1. Chamber Without Process Air

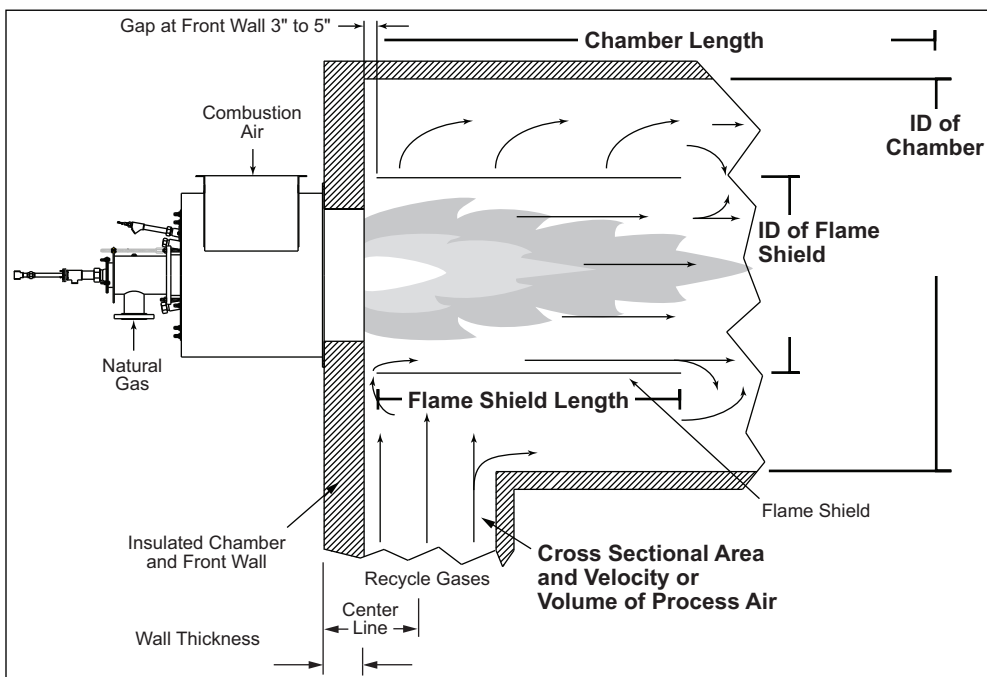


Figure 2. Chamber with Process Air

*Required dimensions must be provided either in one of the above sketches or in an attached drawing / document.

VI. Notes/Additional Sketch

VII. 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.

VIII. Approval

Comments:

Corporate Engineer

Date

Approved

Not Approved (See Comments)