

Struthers Thermoflood 62.5 mmbtu Steam Generator with Coen Burner

Coen QLN 2 Ultra Low NOx Burner. Fully Refurbished in 2017, been sitting ever since. Needs some electrical rewiring.

RADIANT SECTION

General Specifications

Heating surface Approx. 2125 Sq/Ft

Internal Tubes ASME SA-106B-B, Sch 80 (3.5" OD x 0.300" Thickness)

MAWP 1,600 PSIG

Flanges ANSI 1500#

Single-Flow Configuration Single pass

Coating Steam Generator externally coated with a primer and Sand Dunes top coat.

Year Built. 1981 / Fully Refurbished 2017

CONVECTION SECTION

General Specifications

a- Heating surface Approx. 7590 Sq/Ft

b- Internal Tubes ASME SA-106B-B,
Sch 80 (3.5" OD x 0.300" Thk)

MAWP 1,600 PSIG

Flanges ANSI 1500#

Flow Configuration Single passe

Surface Prep & Coating Externally coated with a primer and high heat black top coat

Transition and Stack Sections and FGR line

a- The Transition Section is Square to Round fabricated out of 1/4" thk SA36 plate material.

b- The Transition Section is bolted type / attached to the Radiant and Convection Box.

c- The Transition Section is insulated 8-lb 2300 deg folded ceramic fiber modules on the top and sides. The bottom is insulated with 2600 deg castable refractory.

d- The 36" OD x 20' high vent stack is bolted type / attached to the Convection Section made out A36 material.

e- This unit is equipped with FGR (Flue Gas Recirculation line) That improves the efficiency of the Unit.

f- The Convection and Stack Section are coated with a primer and high heat black top coat.

HEAT EXCHANGER

Qty 1 – Two Pass Feed Water Heat Exchangers

MAWP – 1,600 PSIG

Constructed per ASME Sec VIII div I from 4"-Sch 80, SA-106-B SMLS pipe and SA-234-WPB fittings.

Inlet and outlet connections to be 3"-1500# flanges.

Heat Exchanger is supported by a wide flange frame.

BURNER:

FOR 62.5 MM Btu/Hr SINGLE PASS STEAM GENERATOR

Coen Ultra Low Nox 62.5 MMBTU/HR Burner with Blower