

New Surplus Package Boiler ~ Immediately Available!

Rentech Boiler Systems

210,000 PPH of saturated steam @ 140 PSIG ~ O-Style, Packaged, WaterTube Boiler

- Membrane Wall Construction
- O-Style watertube boiler with separately packaged economizer
- Designed for Firing natural gas and will have design pressure of 200 psig
- Feedwater supplied at 228 deg F

Radiant Furnace data is below:

- Furnace will have 2 observation ports located on the side wall to allow for viewing the flame along the sidewalls.
- Front furnace can be viewed through ports located on the burner
- Side wall of furnace will have a davited 15" x 18" access door, with a 9" refractory lining.
- Membrane wall design and constructed of 2.0 OD x 0.135" MW tubes on 4" centers

Dimensions: H x W x L 9'-0" x 9'-0" x 32'-0"
 Total heat input (MMBtu/Hr) 251.83
 Furnace Volume, (ft3) 2,631
 Furnace Area, (ft2) 1,293
 Volumetric Heat Release Rate, (Btu/hr-ft3) 95,700
 Heat Release Rate, (Btu/Hr-ft2) 191,873

Convection Tubes are 2.0" OD x 0.120" MW

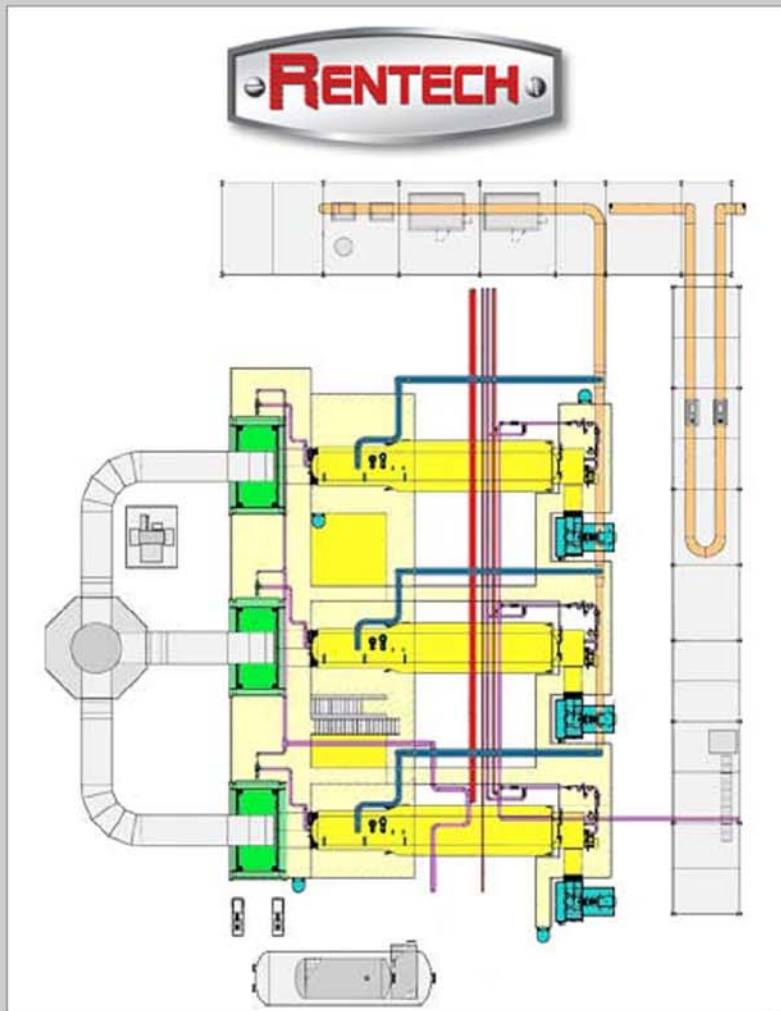
Downcomers: 2 downcomers will provide for an average 15:1 circulation ratio

Drum: The steam drum is 60" ID and approximately 45' in length

Gas/Oil low NOx Variflame burner: with windbox, valve trains, miscellaneous field switches, flame scanning equipment, gas and oil flow control valves and gas and oil flow meters.

Burner Design Basis & Specifications:

Mfg: Rentech
 Type: O
 Design Steam Flow: 210,000 lb/hr
 Steam Pressure: 140 psig (saturated)
 Furnace Operation Pressure incl. FGR at MCR: 14 in wg
 Combustion Air Temp: 80 Deg F
 Flue Gas Temp: 297 Deg F



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Fuel Data:

Fuel Gas Type: Natural
High Heat Value: 1,000 Btu/scf
Pressure Available: 60 psig
Pressure required at interface: 60 psig
Sulfur: 0.2 grains/100 scf (equivalent to 0.00035% by volume)

Fuel Gas- Back up

Type: Propane
High Heat Value: 2,500 Btu/scf
Pressure Available: 60 psig
Pressure required at interface: 60 psig
Sulfur: 0.0185% by volume

Fuel Oil- Back up

Type: #2
High Heat Value: 19,500 bTu/lb
Pressure required at interface: 175 psig (regulated by others)
Nitrogen: 0.02% by wt
Ash: 0.01% by wt
Sulfur: 0.049% by wt



- Package boiler in storage for 8 months, under nitrogen blanket, on 5 foot pedestals.