## Design Details
### General Information
<table>
<thead>
<tr>
<th>Type of Boiler</th>
<th>Coiled Tube</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model Series</td>
<td>5937</td>
</tr>
<tr>
<td>Rated Capacity</td>
<td>10,000,000 Btu/hr</td>
</tr>
<tr>
<td>Water Capacity</td>
<td>151 gal</td>
</tr>
<tr>
<td>Construction Codes</td>
<td>ASME, Hartford, National Board</td>
</tr>
<tr>
<td>Boiler Shell Insulation</td>
<td>Mineral Wool Insulation</td>
</tr>
<tr>
<td>Approx. Shipping Weight</td>
<td>15,600 lbs</td>
</tr>
</tbody>
</table>

### Power Requirements
- **Main Power**: 230/460/575 VAC, 3 Ph, 60 Hz
- **Control Power**: 120 VAC, 1 Ph, 60Hz
- **HP required by blower**: 15 HP

### Overall Dimensions
- **L x W x H**: 120” x 88” x 108”

### Performance Data
- **Fuel Consumption @ Rated Output**
  - Gas: 12,500 scfh
  - Oil (No. 2): 87.5 gal/hr

### Turndown Ratios:
- Oil & Gas: 8 to 1

### Combustion and Ventilating Air Required:
- Oil & Gas: 2,687 scfm

### Customer Connections
- **Stack Outlet**: 24” O.D.
- **Water Inlet**: 4” Flange
- **Water Outlet**: 4” Flange
- **Main Gas Supply**: 3” NPT
- **Pilot Gas Supply**: 1/2” NPT
- **Oil Supply**: 1” NPT
- **Oil Return**: 3/4” NPT
- **Atomizing Air**: 3/8” NPT
- **Safety Valve Outlet (2)**: 1 1/2” NPT

### Note: varies on application details

## Pressure & Temperature
- **Pressure**: Up to 4000 psi
- **Temperature**: Up to 750° F

## Controls
- Low Combustion Air Switch, Flame Safeguard Control, Low Water Flow Switch, Coil Temperature Limit Switch, Automatic Time Delay Cooling Cycle, etc.

## Burner
### Manufacturer
- Vapor Power

### Fuel
- Natural Gas, No. 2 Fuel Oil, or Combination

### Type (gas)
- Multiple Orifice Nozzle

### Type (oil)
- Air Atomized

### Fuel Specifications:
- **Oil (No. 2)**: 141,000 Btu/U.S. gal
- **Gas**: 1000 Btu/cu ft
- **Main Burner**: 2 psig
- **Pilot Burner**: 6” W.C.

### Atomizing Air Requirements:
- **Oil (No. 2)**: 11 scfm @ 20 psig
- **Gas**: None required

### Ignition Type:
- **Oil & Gas**: Electric spark - interrupted gas pilot