**Hi-R-Temp® Packaged Hot Water Boilers**

**SPECIFICATIONS 5,000,000 BTU/HR**

### DESIGN DETAILS

#### General Information
- **Type of Boiler**: Coiled Tube
- **Model Series**: 5937
- **Rated Capacity**: 5,000,000 Btu/hr
- **Water Capacity**: 47 gal
- **Construction Codes**: ASME, Hartford, National Board
- **Boiler Shell Insulation**: Mineral Wool Insulation
- **Approx. Shipping Weight**: 7,800 lbs

#### Power Requirements
- **Main Power**: 230/460/575 VAC, 3 Ph, 60 Hz
- **Control Power**: 120 VAC, 1 Ph, 60 Hz
- **HP required by blower**: 5 HP

#### Overall Dimensions
- **L x W x H**: 91” x 78” x 84”

#### Performance Data
- **Fuel Consumption @ Rated Output**
  - Gas: 6,250 scfh
  - Oil (No. 2): 43.9 gal/hr
- **Turndown Ratios**: Oil & Gas 8 to 1
- **Combustion and Ventilating Air Required**: Oil & Gas 1,346 scfm

#### Customer Connections
- **Stack Outlet**: 16” O.D.
- **Water Inlet**: 3” Flange
- **Water Outlet**: 4” Flange
- **Main Gas Supply**: 2 1/2” NPT
- **Pilot Gas Supply**: 1/2” NPT
- **Oil Supply**: 3/4” NPT
- **Oil Return**: 1/2” NPT
- **Atomizing Air**: 3/8” NPT
- **Safety Valve Outlet**: 1 1/4” NPT
- **Note**: varies on application details

### Pressure & Temperature

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<tr>
<th>Pressure</th>
<th>Temperature</th>
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<td>Up to 4000 psi</td>
<td>Up to 750° F</td>
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### 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)**: 9 scfm @ 20 psig
- **Gas**: None required

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