The Modulatic® steam generator is available in capacities up to 220 BHP and has a compact footprint saving you space. In less than 5 minutes the Modulatic can go from a cold start to full output and is available in design pressures required for your industry.

A Modulatic steam generator skid packaged with a feedwater system, blowdown separator, and softener saves engineering and installation expenses. The compact footprint requires minimal floor space, creating more building space for production equipment.

For over a century, our company has been serving the needs of a wide range of industries that require steam. We have earned a reputation as the premier designer and manufacturer of boilers, steam generators and liquid phase heaters used worldwide.
The Modulatic® is a once through watertube boiler with a positive displacement pump. The burner management system controls the amount of feedwater admitted to the coils by regulating the speed of the pump, based on the steam pressure set point compared to the actual reading. The fuel-air ratio curve changes the amount of fuel and combustion air in direct proportion to the flow of water being sent to the coils. Dry steam is then produced in the steam separator where approximately ninety percent of the water is converted into steam. The water remaining is removed by a steam trap. The hot gases envelop the entire tube surface to achieve very high heat transfer rates and provide 99%+ dry steam output.

Integral Control Panel
A factory wired control panel contains all controls and indicators necessary for the safe operation of the unit. A programmed operating sequence is also incorporated for simplified startup. Available equipment includes linkageless burner controls, touch screen controls interface, variable speed combustion air blower, oxygen trim, remote communication and data acquisition, and more.

Built to Meet Standards
Every unit is built to ASME Standards, Hartford inspected and National Board registered. CSA, Coast Guard, American Bureau of Shipping, Factory Mutual, Lloyds and other approvals are also available upon request.

Factory Tested
All units are fire tested at the factory, with their individual controls to assure proper operation and to allow for control adjustments which avoid installation delays.

Features
- Full Steam in 5 Minutes
- Fully Modulating Output
- Compact Size & Weight
- High Pressure
- Safe Operation
MODULATIC® SPECIFICATIONS

**Operating Pressures:** Adjustable throughout operating range based on design pressure. Consult factory for special operating pressure ranges.

**Electric Power:** Main - 230, 460 or 575 VAC, 3 Ph, 60 Hz. Control - 120 VAC, 1 Ph, 60 Hz, factory wired. Special voltages are available on request.

**Ignition:** Electric spark ignited, interrupted gas pilot on most units. Direct electric spark optional on #2 oil units where permitted.

**Optional Equipment:** Automatic Blowdown, Stack Switch, Automatic Multiple Boiler Control, Annunciator Systems and equipment to meet special exacting codes.

**Burners:** Air atomized burner for #2 fuel oil. Multi-orificed burner for natural gas or LPG. Burners available to meet low NOx and ultra-low NOx regulations.

**Safety Controls:** Programmed flame safeguard control with flame detector, coil temperature control, low water cut-off control and steam pressure control.

**Boiler Type:** Sectionalized coil tube type, forced circulation, forced draft fired.

**Data and Dimensions**

<table>
<thead>
<tr>
<th>Rated Capacity BHP</th>
<th>Equivalent Evaporation PPH from &amp; at 212°F</th>
<th>Thermal Capacity Btu/hr x 1000</th>
<th>Design Pressure psig</th>
<th>Approx. Fuel Consumption</th>
<th>Dimensions Inches</th>
<th>Approx. Shipping Weight lbs*</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>620</td>
<td>602</td>
<td>15-3200</td>
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<td>760</td>
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<td>54.4</td>
<td>9,300</td>
</tr>
</tbody>
</table>

- Based on #2 fuel oil at 141,000 Btu/U.S. gal and natural gas at 1000 Btu/cu.ft. heat content
- All models except 18 BHP are available as oil fired, gas fired or combination gas/oil units
- Based on 300 psig design pressure

**Commissioning & Training**

Vapor Power can provide complete commissioning as well as hands-on, or classroom training about the complete operation of your equipment.

**Troubleshooting & Diagnostics**

Vapor Power offers remote access and monitoring of your equipment.

**Parts & Service**

Vapor Power stands behind its products with original OEM parts, no matter the age of the equipment. We also offer direct factory training and service on-site.

**After Market**

As one of the industry’s leading manufacturers of boilers, packaged steam generators and thermal fluid heaters, Vapor Power International has everything you need to keep your boilers operating in top condition. That includes complete retrofit upgrade kits to outfit your boilers with the latest in controls and components.

- Control Panels
- Flame Safeguard Controls
- Linkageless Controls
- Temperature Controls