The Wayne Model HSG power gas burners are designed for performance, reliability, and easy installation. The burner converts easily to fire Natural Gas or LP Gas and the higher static capabilities will overcome most adverse draft conditions encountered. The HSG400 remains one of the most widely used power burners around the world in its firing range.

The burner has the ability to fire between the entire range and is easy to set up. Simply identify and install the correct orifice, set the gas valve pressure and adjust the primary and off cycle dampers.

**DESIGNED FOR EASY SERVICEABILITY:**

- No need to remove the burner for normal service. The Gas Manifold assembly is easily removed for complete service or replacement of components
- Easy, convenient external orifice change
- Automatic, perfect alignment of combustion components
- Primary Air Damper with indicator
- Exclusive Off-Cycle Damper reduces drafting back through the burner between burner firing cycles and also allows for fine-tuning of burner combustion.
**SPECIFICATIONS**

**GAS BURNERS**
HSG200 & HSG400

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**THE BLUE ANGEL™ POWER GAS BURNER - MODEL HSG**

<table>
<thead>
<tr>
<th>Minimum Firing Rate</th>
<th>HSG200: 60,000 Btu/hr HSG400: 200,000 Btu/hr</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Firing Rate</td>
<td>HSG200: 200,000 Btu/hr HSG400: 400,000 Btu/hr</td>
</tr>
<tr>
<td>Voltage</td>
<td>120V, 60Hz (Can Run 50 Hz*)</td>
</tr>
<tr>
<td>Gas Pressure Required (Min Max)</td>
<td>Natural Gas: 5.5&quot; - 14&quot; w.c.</td>
</tr>
<tr>
<td></td>
<td>LP Gas: 5.5&quot; - 14&quot; w.c.</td>
</tr>
<tr>
<td>Ignition Source</td>
<td>Direct Spark Ignition</td>
</tr>
<tr>
<td>Gas Valve Operators</td>
<td>24 Vac</td>
</tr>
<tr>
<td>Gas Connection</td>
<td>3/4&quot; NPT</td>
</tr>
<tr>
<td>Air Tube Diameter</td>
<td>4&quot; OD Available in Lengths of 6&quot;, 9&quot;, 12&quot;</td>
</tr>
<tr>
<td>Max. Air Tube Insertion Depth</td>
<td>Variable(See Chart Below)</td>
</tr>
</tbody>
</table>

*Reduces Maximum Output to 208,000 Btu/hr

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**SHIPPING INFORMATION**

All BLUE ANGEL Model HSG flame retention Gas Burners are shipped completely assembled and test fired. Additional orifices supplied. Combination redundant gas valve and ignition control package installed.

- Individually Cartoned
- 18 Burners Per Pallet
- Weight: 31-34 lbs ea.

Contact Wayne Combustion Systems for information regarding special HSG200 and HSG400 Gas Burners with modified timings that improve burner operation in applications such as bakery ovens and pressure washers.

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**Model** | **Part #** | **Airtube Length** | **Insertion Depth** | **Fuel** | **Ignition**
--- | --- | --- | --- | --- | ---
HSG200 | 62376D | 6" | 5" | NAT or LP, 2" to 4" w.c. - adjustable | DI |
HSG400 | 62377D | 6" | 5" | NAT or LP, 2" to 4" w.c. - adjustable | DI |
HSG200 | 62378D | 9" | 8" | NAT or LP, 2" to 4" w.c. - adjustable | DI |
HSG400 | 62379D | 9" | 8" | NAT or LP, 2" to 4" w.c. - adjustable | DI |
HSG200 | 62380D | 12" | 11" | NAT or LP, 2" to 4" w.c. - adjustable | DI |
HSG400 | 62381D | 12" | 11" | NAT or LP, 2" to 4" w.c. - adjustable | DI |

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**PLEASE CONTACT US FOR FURTHER INFORMATION:**

Phone: 800.443.4625 | Email: sales@waynecombustion.com
www.waynecombustion.com

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