**ImmersoJet Burners**  
*Model 2" IJ Version 2.00*

## Main Specifications

<table>
<thead>
<tr>
<th>PARAMETER</th>
<th>6&quot; w.c. Packaged</th>
<th>10&quot; w.c. Packaged</th>
<th>Remote Blower</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Blower Type</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum Input (Btu/hr)</td>
<td>190,000</td>
<td>235,000</td>
<td>370,000</td>
</tr>
<tr>
<td>Minimum Input (Btu/hr)</td>
<td>25,000</td>
<td>25,000</td>
<td>25,000</td>
</tr>
<tr>
<td>Gas Inlet Pressure (<em>w.c.</em>)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Fuel pressure at burner inlet</td>
<td>Nat. Gas 6.7 9.8 25.2</td>
<td>Propane 5.2 10.4 26.0</td>
<td>Butane 7.0 9.8 26.8</td>
</tr>
<tr>
<td>Gas Inlet Pressure (<em>w.c.</em>)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Fuel pressure at burner inlet</td>
<td>Nat. Gas 6.7 9.8 25.2</td>
<td>Propane 5.2 10.4 26.0</td>
<td>Butane 7.0 9.8 26.8</td>
</tr>
<tr>
<td>Air Inlet Pressure (<em>w.c.</em>)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Air pressure at burner inlet</td>
<td>Nat. Gas 7.4 10.8 28.6</td>
<td>Propane 5.2 10.4 26.0</td>
<td>Butane 7.0 9.8 26.8</td>
</tr>
<tr>
<td>Main Gas Pressure (<em>w.c.</em>)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max.</td>
<td>27.7</td>
<td>27.7</td>
<td>27.7</td>
</tr>
<tr>
<td>Min.</td>
<td>10</td>
<td>13</td>
<td>27</td>
</tr>
<tr>
<td>Backpressure (*w.c.)</td>
<td>1.5</td>
<td>1.5</td>
<td>3.7</td>
</tr>
<tr>
<td>Tube Effective Length (ft)</td>
<td>21.6</td>
<td>21.6</td>
<td>21.6</td>
</tr>
<tr>
<td>CO emissions (ppm)</td>
<td>&lt;100</td>
<td>&lt;100</td>
<td>&lt;100</td>
</tr>
<tr>
<td>Piping</td>
<td>N.P.T. or B.S.P. burner piping available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flame Detection</td>
<td>Flamerod or U.V.Scanner. Scanner must be ordered separately.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fuel</td>
<td>Natural gas, Propane, Butane</td>
<td>For any other mixed gas, contact Eclipse for orifice sizing.</td>
<td></td>
</tr>
</tbody>
</table>

*All information is based on laboratory testing. Different tube sizes and conditions may affect the data.  
*All information is based on standard tube design. Changes in the tube will alter performance and pressures.  
*All inputs based upon gross caloric values.  
*Eclipse reserves the right to change the construction and/or configuration of our products at any time without being obliged to adjust earlier supplies accordingly.  
*Plumbing of air and gas will affect accuracy of orifice readings. All information is based on generally acceptable air and gas piping practices.
Performance Graphs

Ignition & Operational Zones
All Three Fuels

- Operation Zone
- Ignition Zone
- Proportional Control

Gas Orifice vs Input

Air Orifice vs Input

- Natural Gas
- Propane Gas
- Butane Gas

Eclipse Model 2" IJ Data 330.2.5/97
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