Combining high performance, easy servicing and a quality build, Carlin has the burners to fit your commercial oil needs.
The 201CRD and 301CRD advanced oil burners feature Carlin’s adjustable combustion head assembly providing unmatched fuel/air mixing, smooth light-offs and quiet operation.

### Features
- Simple and easy installation on OEM boilers.
- Easy setup and servicing: Only adjustments required are to the air band and the combustion head, set with Carlin’s easy-access screw adjustment.
- Positive ignition, stable operation and compact flame.
- The 301CRD burner is available in two firing ranges, depending on air cone diameter selected.

### Specifications

<table>
<thead>
<tr>
<th>Burner Model</th>
<th>Burner Style</th>
<th>GPH</th>
</tr>
</thead>
<tbody>
<tr>
<td>201CRD</td>
<td>All</td>
<td>2.5 to 5.5</td>
</tr>
<tr>
<td>301CRD</td>
<td>3¾&quot; air cone “B” style</td>
<td>3.0 to 6.0</td>
</tr>
<tr>
<td></td>
<td>3½&quot; air cone “C” style</td>
<td>4.0 to 7.0</td>
</tr>
</tbody>
</table>

Carlin’s 601CRD, 701CRD, 702CRD and 801CRD combine easy adjustment and service with unmatched performance. The automatically closed air damper and low-high-low step modulation improve efficiency by effectively matching output to demand and reducing standby losses.

### Features
- Equipped with Carlin’s adjustable combustion head assembly for unmatched fuel/air mixing, smooth light offs and quiet operation.
- Easy servicing: Only adjustments required are to the air shutter and combustion head
- Blower access cover allows full view of blower compartment.
- Jacob’s-ladder electrode tips for wide spark pattern and reliable ignition.
These burners will meet your needs for commercial oil-burning applications.

### 1050FFD/1150FFD

**Features**

- Carlin’s exclusive Flame-Funnel Combustion
- Automatically closing air damper & low-high-low step modulation to improve efficiency by effectively matching output to demand and reducing standby losses.
- Easy servicing: Only adjustments required are to the air shutter and the combustion head, set with Carlin’s easy-access screw adjustment.
- Each burner (1050 or 1150) uses a single set of air handling parts for all firing rates. All burners use Carlin electronic ignitors.
- Excellent performance when tested in appliances that do not use refractory combustion chambers.

<table>
<thead>
<tr>
<th>Burner Model</th>
<th>Burner Style</th>
<th>GPH</th>
</tr>
</thead>
<tbody>
<tr>
<td>1050FFD</td>
<td>High Fire</td>
<td>15.0 to 25.0</td>
</tr>
<tr>
<td></td>
<td>Low Fire</td>
<td>9.0 to 12.0</td>
</tr>
<tr>
<td>1150FFD</td>
<td>High Fire</td>
<td>20.0 to 35.0</td>
</tr>
<tr>
<td></td>
<td>Low Fire</td>
<td>12.0 to 15.0</td>
</tr>
</tbody>
</table>

The 1050FFD and 1150FFD oil burners encompass Carlin’s dedication to quality and function. Designed for performance, these burners include Carlin’s exclusive seamless construction chrome alloy flame funnel, automatically closed air damper, and more. With its easy to install, high-performance design, the 1050FFD and 1150FFD continue to be the industry’s most reliable choice in light commercial applications.

**Flame-Funnel Combustion**

Carlin’s exclusive seamless construction chrome-alloy flame funnel yields extraordinary fuel/air mixing. Primary air enters near the nozzle, spinning rapidly inside the funnel. Oil atomizes and combines with the air flow. Secondary air flows around the funnel, entering at right angles to the flame at the end of the cone, completing the combustion process.

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The **Carlin** Model 70200 Universal Primary Control, with LCD screen and advanced troubleshooting, comes standard on Commercial Oil Burners.
Carlin’s Model 70200 oil burner primary is the quintessential universal primary control. Designed and made in the U.S., this control sets the standard. Whether it’s the ability to replace any oil primary control, its easy to read LCD screen, sturdy design, or easy on-board programming, the 70200 will be sure to meet your needs no matter what job conditions you encounter.

**Features**
- Xtreme diagnostics – Flashing icons and messages clearly identifying cause of fault condition
- Built-in LCD screen – eliminates the need for separate tool
- Detailed history of last 50 faults – takes guesswork out of troubleshooting
- Common sense programming mode – streamlines install and setup process
- CAD cell readings in OHMS – simplifies troubleshooting of flame issues
- Built-in alarm contacts – allows for easy connecting to home security systems
- Smart ignition option – saves wear and tear on components
- Replaces virtually any oil primary control – the only one you need to stock