## Assembly Numbers

<table>
<thead>
<tr>
<th>COMBUSTIFUME® Line Burners Material Specifications</th>
<th>Ductile iron bodies w/#310 SS mixing plates</th>
<th>Ductile iron bodies w/Hastelloy X mixing plates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Configured Item Number &gt;</td>
<td>CF4D24</td>
<td>CF5D24</td>
</tr>
<tr>
<td>Designations &gt;</td>
<td>Old Style 4CF 4CF4 4CF5 5CF 5CF4 5CF5 5D24</td>
<td>Current CF4D24 CF4D48 CF4D96 CF4D120 CF5D24 CF5D48 CF5D96 CF5D120</td>
</tr>
<tr>
<td>Burner Sections</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6” straight (-6)</td>
<td>1047387 (15)</td>
<td>1047412 (15)</td>
</tr>
<tr>
<td>12” straight (-12)</td>
<td>1047388 (18)</td>
<td>1047416 (18)</td>
</tr>
<tr>
<td>12” x 6” tee (-T)</td>
<td>1047389 (30)</td>
<td>1047416 (18)</td>
</tr>
<tr>
<td>12” x 12” cross (-X)</td>
<td>1047390 (37)</td>
<td>1047416 (18)</td>
</tr>
<tr>
<td>Back Inlet Feed Sections</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(each requires inlet flange from Page 5700-A/P-2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12” back inlet straight (-12B)</td>
<td>1047391 (31)</td>
<td>1047419 (31)</td>
</tr>
<tr>
<td>12” x 12” back inlet cross (-BX)</td>
<td>1047392 (42)</td>
<td>1047420 (42)</td>
</tr>
<tr>
<td>36” back inlet &quot;H&quot; section (-BH)</td>
<td>1047393 (95)</td>
<td>1047421 (95)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>COMBUSTIFUME® Line Burners Material Specifications</th>
<th>Aluminum bronze bodies w/Hastelloy X mixing plates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Configured Item Number &gt;</td>
<td>CF5B24</td>
</tr>
<tr>
<td>Designations &gt;</td>
<td>Old Style 6CF4 6CF5 6CF8 6CFB24 6CFB4 6CFB96 6CFB120</td>
</tr>
<tr>
<td>Burner Sections</td>
<td></td>
</tr>
<tr>
<td>6” straight (-6)</td>
<td>1047443 (18)</td>
</tr>
<tr>
<td>12” straight (-12)</td>
<td>1047444 (20)</td>
</tr>
<tr>
<td>12” x 6” tee (-T)</td>
<td>1047445 (35)</td>
</tr>
<tr>
<td>Back Inlet Feed Sections</td>
<td></td>
</tr>
<tr>
<td>(each requires inlet flange from Page 5700-A/P-2)</td>
<td></td>
</tr>
<tr>
<td>12” back inlet straight (-12B)</td>
<td>1047446 (36)</td>
</tr>
</tbody>
</table>

**NOTE:** To order line burner arrangements, order the appropriate configured item number. To order loose items, order individual assembly numbers.

Approximate net ship weight (in pounds) shown in parentheses.
Assembly Numbers

Inlet Flange Options

<table>
<thead>
<tr>
<th>Description</th>
<th>All CF4</th>
<th>CF5D</th>
<th>CF5B</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5&quot; 1.5&quot; Inlet Flange (12B)</td>
<td>0150 D BIF</td>
<td>0150 B BIF</td>
<td></td>
</tr>
<tr>
<td>2&quot; 2&quot; Inlet Flange (12B)</td>
<td>0200 D BIF</td>
<td>0200 B BIF</td>
<td></td>
</tr>
<tr>
<td>2.5&quot; 2.5&quot; Inlet Flange (12B)</td>
<td>0250 D BIF</td>
<td>0250 B BIF</td>
<td></td>
</tr>
<tr>
<td>3&quot; 3&quot; Inlet Flange (12B)</td>
<td>0300 D BIF</td>
<td>0300 B BIF</td>
<td></td>
</tr>
<tr>
<td>4&quot; 4&quot; Inlet Flange (12B)</td>
<td>0400 D BIF</td>
<td>- - -</td>
<td></td>
</tr>
</tbody>
</table>

For 12" (-12B) back inlet sections

<table>
<thead>
<tr>
<th>Description</th>
<th>All CF4</th>
<th>CF5D</th>
<th>CF5B</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5&quot; 1.5&quot; Inlet Flange (36B)</td>
<td>0150 D BIF</td>
<td>- - -</td>
<td></td>
</tr>
<tr>
<td>2&quot; 2&quot; Inlet Flange (36B)</td>
<td>0200 D BIF</td>
<td>- - -</td>
<td></td>
</tr>
<tr>
<td>2.5&quot; 2.5&quot; Inlet Flange (36B)</td>
<td>0250 D BIF</td>
<td>- - -</td>
<td></td>
</tr>
<tr>
<td>3&quot; 3&quot; Inlet Flange (36B)</td>
<td>0300 D BIF</td>
<td>- - -</td>
<td></td>
</tr>
<tr>
<td>4&quot; 4&quot; Inlet Flange (36B)</td>
<td>0400 D BIF</td>
<td>- - -</td>
<td></td>
</tr>
</tbody>
</table>

For 36" (-BH) back inlet sections

<table>
<thead>
<tr>
<th>Description</th>
<th>All CF4</th>
<th>CF5D</th>
<th>CF5B</th>
</tr>
</thead>
<tbody>
<tr>
<td>3&quot; 3&quot; Inlet Flange (cross)</td>
<td>0300 D XIF</td>
<td>- - -</td>
<td></td>
</tr>
<tr>
<td>4&quot; 4&quot; Inlet Flange (cross)</td>
<td>0400 D XIF</td>
<td>- - -</td>
<td></td>
</tr>
</tbody>
</table>

For 12"x12" (-BX) back inlet cross sections

Segment Choice Detail – Configured Inlet Flanges for Back Inlet & Cross Sections

<table>
<thead>
<tr>
<th>Configured Item Number</th>
<th>Segment Name</th>
<th>Segment Choice (DEFAULT is shaded)</th>
<th>Segment Choice Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0150 D BIF</td>
<td>FLANGE MATERIAL</td>
<td>DI</td>
<td>Ductile iron</td>
</tr>
<tr>
<td>0200 D BIF</td>
<td>GAS CONNECTION</td>
<td>GI</td>
<td>Gray iron</td>
</tr>
<tr>
<td>0250 D BIF</td>
<td></td>
<td>ANSI_THRD</td>
<td>ANSI threaded</td>
</tr>
<tr>
<td>0300 D BIF</td>
<td></td>
<td>ISO_THRD</td>
<td>ISO threaded</td>
</tr>
<tr>
<td>0400 D BIF</td>
<td>MAX APPROACH AIR TEMP (F)</td>
<td>1000</td>
<td>1000°F approach air temperature (max)</td>
</tr>
<tr>
<td>0150 B BIF</td>
<td></td>
<td>1050 [1]</td>
<td>1050°F approach air temperature (max)</td>
</tr>
<tr>
<td>0200 B BIF</td>
<td></td>
<td>450</td>
<td>450°F approach air temperature (max)</td>
</tr>
<tr>
<td>0250 B BIF</td>
<td></td>
<td>600</td>
<td>600°F approach air temperature (max)</td>
</tr>
<tr>
<td>0300 B BIF</td>
<td></td>
<td>800</td>
<td>800°F approach air temperature (max)</td>
</tr>
<tr>
<td>0400 D XIF</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

[1] Available for 0150 B BIF, 0200 B BIF, 0250 B BIF, and 0300 B BIF only

NOTE: All choices are not available in some cases.

NOTE: To order line burner arrangements, order the appropriate configured item number. To order loose items, order individual assembly numbers.

Approximate net ship weight (in pounds) shown in parentheses.
### Assembly Numbers

<table>
<thead>
<tr>
<th>COMBUSTIFUME® Line Burners Material Specifications &gt;</th>
<th>Ductile iron bodies w/#310 SS mixing plates</th>
<th>Ductile iron bodies w/Hastelloy X mixing plates</th>
<th>Aluminum bronze bodies w/Hastelloy X mixing plates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Configured Item Number &gt;</td>
<td>CF4D24 - 120</td>
<td>CF5D24 - 120</td>
<td>CF5B24 - 120</td>
</tr>
<tr>
<td>End Plate Sets (A)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PLAIN END PLATE SET: 2-PC</td>
<td>1047743 (4)</td>
<td>1047750 (4)</td>
<td>1047757 (4)</td>
</tr>
<tr>
<td>Direct Spark End Plate &amp; End Inlet Flange Sets (A)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DIR SPRK SET W/18075 SI</td>
<td>1047744 (4)</td>
<td>1047751 (4)</td>
<td>---</td>
</tr>
<tr>
<td>Direct spark set includes #18075 spark ignitor &amp; provision to mount a flame rod (order flame rod, if used, separately - available in sealed (#1104615) and unsealed (#18117) versions)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2&quot; INLET DS SET W/18075 SI</td>
<td>1047745 (4)</td>
<td>1047752 (4)</td>
<td>----</td>
</tr>
<tr>
<td>2&quot; inlet direct spark set includes #18075 spark ignitor &amp; provision for mounting a flame rod (order flame rod, if used, separately - available in sealed (#1104615) and unsealed (#18117) versions)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pilot End Plate Sets (A)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BUILT-IN PILT SET (DIRECT MNT)</td>
<td>1047746 (6)</td>
<td>1047753 (6)</td>
<td>1047758 (6)</td>
</tr>
<tr>
<td>Built-in pilot set, for direct mounted flame rod/UV scanner &amp; spark ignitor, includes #18075 spark ignitor (order #18291 flame rod, if used, separately)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BUILT-IN PILT SET (EXT MOUNT)</td>
<td>1047747 (6)</td>
<td>1047754 (6)</td>
<td>1047759 (6)</td>
</tr>
<tr>
<td>Built-in pilot set, for externally mounting flame rod/UV scanner &amp; spark electrode (order flame rod and/or electrode and external mounting assembly separately)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRFLO-PAK PILT SET (DIR MNT)</td>
<td>1047748 (8)</td>
<td>1047755 (8)</td>
<td>1047755 (8) [1]</td>
</tr>
<tr>
<td>AIRFLO-PAK pilot set, for direct mounted flame rod/UV scanner &amp; spark ignitor, includes #18075 spark ignitor (order #18291 flame rod, if used, and pilot mixer separately)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRFLO-PAK PILT SET (EXT MNT)</td>
<td>1047749 (8)</td>
<td>1047756 (8)</td>
<td>1047756 (8) [1]</td>
</tr>
<tr>
<td>AIRFLO-PAK pilot set, for externally mounting flame rod/UV scanner &amp; spark electrode (order flame rod and/or spark electrode, pilot mixer and external mounting assembly separately)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pilot Mixers for AIRFLO-PAK pilots (A)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ATMOSPHERIC PILOT MIXER</td>
<td>20103 (1)</td>
<td>20103 (1) [1]</td>
<td></td>
</tr>
<tr>
<td>Atmospheric pilot mixer</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PRESSURE PILT MIXER W/ADJ ORIF</td>
<td>11680 (2)</td>
<td>11680 (2) [1]</td>
<td></td>
</tr>
<tr>
<td>Pressure pilot mixer includes #38579 adjustable orifice</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>External Mounting Plate Assemblies (A)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EXT MTG PLT: INT SI &amp; EXT UV</td>
<td>40907 (3)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>For internal spark ignitor &amp; external UV scanner</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EXT MTG PLT: EXT SPK ELEC &amp; UV</td>
<td>36544 (3)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>For external spark electrode &amp; external UV scanner (order shrouded electrode separately)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

[1] Uses ductile iron castings instead of aluminum-bronze castings. Lowers the maximum approach temperature to 1000°F.

**NOTE:** To order line burner arrangements, order the appropriate configured item number. To order loose items, order individual assembly numbers.

Approximate net ship weight (in pounds) shown in parentheses.
## Assembly Numbers

### COMBUSTIFUME® Line Burners Material Specifications

<table>
<thead>
<tr>
<th>Configured Item Number &gt;</th>
<th>Ductile iron bodies w/#310 SS mixing plates</th>
<th>Ductile iron bodies w/Hastelloy X mixing plates</th>
<th>Aluminum bronze bodies w/Hastelloy X mixing plates</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Spark Ignitor Sub-Assemblies (A)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DIRECT MOUNTED SPARK IGN: 14MM</td>
<td>18075 (0.5)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Direct mounted spark ignitor 14mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EXT MTD SHROUDED ELEC: L=12&quot;</td>
<td>36539</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12&quot; External mounted shrouded electrode</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EXT MTD SHROUDED ELEC: L=18&quot;</td>
<td>36540</td>
<td></td>
<td></td>
</tr>
<tr>
<td>18&quot; External mounted shrouded electrode</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EXT MTD SHROUDED ELEC: L=24&quot;</td>
<td>36541</td>
<td></td>
<td></td>
</tr>
<tr>
<td>24&quot; External mounted shrouded electrode</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EXT MTD SHROUDED ELEC: L=36&quot;</td>
<td>36542</td>
<td></td>
<td></td>
</tr>
<tr>
<td>36&quot; External mounted shrouded electrode</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>QUARTZ IGNITOR W/DI END FLG</td>
<td>CF4DQIGN</td>
<td>CF5DQIGN</td>
<td>- -</td>
</tr>
<tr>
<td>Quartz ignitor w/ DI flange (See Page 5700-A/P-6)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>QUARTZ IGNITOR W/AL-BZ END FLG</td>
<td>CF5BQIGN</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Quartz ignitor w/ AL BRZ flange (See Page 5700-A/P-6)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Flame Rod Sub-Assemblies (A)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FR-DIRECT MOUNTED (L=7.125&quot;)</td>
<td>18117 (unsealed) or 1104615 (sealed)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Direct mounted flame rod sub-assembly (length=7.125&quot;)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FR-DRCT MNTD (L=7.125&quot;) W/RBR CVR</td>
<td>1037594 (unsealed) or 1104615 (sealed) and 18722 (order separately with #1104615)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Direct mounted flame rod sub-assembly (length=7.125&quot;) with rubber cover</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FR-DIRECT MOUNTED (L=12&quot;)</td>
<td>18291</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Direct mounted flame rod sub-assembly (length=12&quot;)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FR-EXTERNAL MOUNTED (L=24&quot;)</td>
<td>18410</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Externally mounted flame rod sub-assembly (length=24&quot;)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FR-EXTERNAL MOUNTED (L=24&quot;)</td>
<td>1050319</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Externally mounted flame rod sub-assembly with cover (length=24&quot;)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Optional Accessory &amp; Replacement Items</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>UNIVERSAL SUPPORT BRKT: (CS)</td>
<td>23577</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Universal support bracket, plated carbon steel, good up to 800°F (order in pairs)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>UNIVERSAL SUPPORT BRKT: #304SS</td>
<td>39940</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Universal support bracket, #304 SS, good up to 1600°F (order in pairs)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DIVISION PLATE</td>
<td>1048448</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Division plate (A)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PROFILE PLATE BRACKET</td>
<td>24003</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Profile plate bracket (A)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electrode cover for flame rod or spark ignitor, good for up to 450°F (R)</td>
<td>18722</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BODY FLANGE KITS</td>
<td>1049627 or 1049626 or 1049625 (depends on temperature)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Body flange kits (fastener kits for joining two burner bodies)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>2&quot; END INLET FLANGE</strong></td>
<td>CF4D 2EIF</td>
<td>CF5D 2EIF</td>
<td>CF5B 2EIF</td>
</tr>
<tr>
<td>End inlet flange kit (See Page 5700-A/P-5 for segment choices)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Maxon practices a policy of continuous product improvement. It reserves the right to alter specifications without prior notice.
## Configured End Inlet Flange Kits - Segment Choices

<table>
<thead>
<tr>
<th>Configured Item Number</th>
<th>Segment Choices</th>
<th>Descriptions</th>
<th>Segment Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>CF4D 2EIF</td>
<td>2&quot; NPT W/ .75&quot;-10 THRD</td>
<td>For quartz ignitors</td>
<td></td>
</tr>
<tr>
<td>CF5D 2EIF</td>
<td>2&quot; ISO W/ .75&quot;-10 THRD</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CF5B 2EIF</td>
<td>2&quot; NPT W/ 18075 (14MM) IGNITOR</td>
<td>Local internal ignitor</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2&quot; ISO W/ 18075 (14MM) IGNITOR</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2&quot; NPT W/ .562 DRILL-THRU</td>
<td>For feed-through shrouded ignitors</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2&quot; ISO W/ .562 DRILL-THRU</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>600F BODY FLANGE KIT (STL)</td>
<td>600°F body flange fastener kit</td>
<td></td>
</tr>
<tr>
<td></td>
<td>800F BODY FLANGE KIT (SS)</td>
<td>800°F body flange fastener kit</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1000F BODY FLANGE KIT (718)</td>
<td>High temperature body flange kit for CF4D and CF5D</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1050F BODY FLANGE KIT (718)</td>
<td>High temperature body flange fastener kit for CF5B</td>
<td></td>
</tr>
</tbody>
</table>
## Assembly Numbers

### Segment Choice Detail – Quartz Ignitors

<table>
<thead>
<tr>
<th>Configured Item Number</th>
<th>Segment Name</th>
<th>Segment Choices (DEFAULT is shaded)</th>
<th>Segment Choice Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>12</td>
<td>12&quot; long</td>
</tr>
<tr>
<td></td>
<td></td>
<td>18</td>
<td>18&quot; long</td>
</tr>
<tr>
<td></td>
<td></td>
<td>20</td>
<td>20&quot; long</td>
</tr>
<tr>
<td></td>
<td></td>
<td>24</td>
<td>24&quot; long</td>
</tr>
<tr>
<td></td>
<td></td>
<td>30</td>
<td>30&quot; long</td>
</tr>
<tr>
<td></td>
<td></td>
<td>36</td>
<td>36&quot; long</td>
</tr>
<tr>
<td></td>
<td></td>
<td>42</td>
<td>42&quot; long</td>
</tr>
<tr>
<td></td>
<td></td>
<td>48</td>
<td>48&quot; long</td>
</tr>
<tr>
<td>LENGTH</td>
<td></td>
<td>1000</td>
<td>1000°F approach air temperature (max)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>450</td>
<td>450°F approach air temperature (max)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>600</td>
<td>600°F approach air temperature (max)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>800</td>
<td>800°F approach air temperature (max)</td>
</tr>
<tr>
<td>MATERIAL</td>
<td></td>
<td>CS</td>
<td>Carbon steel</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SS</td>
<td>Stainless steel</td>
</tr>
<tr>
<td>MAX APPROACH AIR TEMP (F)</td>
<td></td>
<td>1000</td>
<td>1000°F approach air temperature (max)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>450</td>
<td>450°F approach air temperature (max)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>600</td>
<td>600°F approach air temperature (max)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>800</td>
<td>800°F approach air temperature (max)</td>
</tr>
<tr>
<td>FLANGE KIT</td>
<td>NO</td>
<td>Choice not selected</td>
<td></td>
</tr>
<tr>
<td></td>
<td>YES</td>
<td>Choice selected</td>
<td></td>
</tr>
<tr>
<td></td>
<td>12</td>
<td>12&quot; long</td>
<td></td>
</tr>
<tr>
<td></td>
<td>18</td>
<td>18&quot; long</td>
<td></td>
</tr>
<tr>
<td></td>
<td>24</td>
<td>24&quot; long</td>
<td></td>
</tr>
<tr>
<td></td>
<td>30</td>
<td>30&quot; long</td>
<td></td>
</tr>
<tr>
<td></td>
<td>36</td>
<td>36&quot; long</td>
<td></td>
</tr>
<tr>
<td></td>
<td>42</td>
<td>42&quot; long</td>
<td></td>
</tr>
<tr>
<td></td>
<td>48</td>
<td>48&quot; long</td>
<td></td>
</tr>
<tr>
<td>LENGTH</td>
<td></td>
<td>1000</td>
<td>1000°F approach air temperature (max)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1050</td>
<td>1050°F approach air temperature (max)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>450</td>
<td>450°F approach air temperature (max)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>600</td>
<td>600°F approach air temperature (max)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>800</td>
<td>800°F approach air temperature (max)</td>
</tr>
<tr>
<td>MATERIAL</td>
<td></td>
<td>SS</td>
<td>Stainless steel</td>
</tr>
<tr>
<td>MAX APPROACH AIR TEMP (F)</td>
<td></td>
<td>1000</td>
<td>1000°F approach air temperature (max)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1050</td>
<td>1050°F approach air temperature (max)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>450</td>
<td>450°F approach air temperature (max)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>600</td>
<td>600°F approach air temperature (max)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>800</td>
<td>800°F approach air temperature (max)</td>
</tr>
<tr>
<td>FLANGE KIT</td>
<td>NO</td>
<td>Choice not selected</td>
<td></td>
</tr>
<tr>
<td></td>
<td>YES</td>
<td>Choice selected</td>
<td></td>
</tr>
</tbody>
</table>

Maxon practices a policy of continuous product improvement. It reserves the right to alter specifications without prior notice.
## Assembly Numbers

### Optional Accessory and Replacement Items - Spark Ignitors

<table>
<thead>
<tr>
<th>COMBUSTIFUME® Line Burner Material Specifications</th>
<th>Ductile iron bodies with #310 SS mixing plates</th>
<th>Ductile iron bodies with Hastelloy X mixing plates</th>
<th>Aluminum bronze bodies w/Hastelloy X mixing plates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Configured Item Number &gt; CF4D24 - 120 CF5D24 - 120 CF5B24 - 120</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Ceramic ignitor</strong></td>
<td>12&quot;</td>
<td>24715</td>
<td></td>
</tr>
<tr>
<td></td>
<td>18&quot;</td>
<td>1115240</td>
<td></td>
</tr>
<tr>
<td></td>
<td>24&quot;</td>
<td>1115241</td>
<td></td>
</tr>
<tr>
<td></td>
<td>36&quot;</td>
<td>35553</td>
<td></td>
</tr>
<tr>
<td><strong>Ceramic ignitor with rubber cover</strong></td>
<td>12&quot;</td>
<td>36539</td>
<td></td>
</tr>
<tr>
<td></td>
<td>18&quot;</td>
<td>36540</td>
<td></td>
</tr>
<tr>
<td></td>
<td>24&quot;</td>
<td>36541</td>
<td></td>
</tr>
<tr>
<td></td>
<td>36&quot;</td>
<td>36542</td>
<td></td>
</tr>
<tr>
<td><strong>Quartz ignitor</strong></td>
<td>12&quot;</td>
<td>44665</td>
<td></td>
</tr>
<tr>
<td></td>
<td>18&quot;</td>
<td>44666</td>
<td></td>
</tr>
<tr>
<td></td>
<td>20&quot;</td>
<td>45716</td>
<td></td>
</tr>
<tr>
<td></td>
<td>24&quot;</td>
<td>44667</td>
<td></td>
</tr>
<tr>
<td></td>
<td>30&quot;</td>
<td>44668</td>
<td></td>
</tr>
<tr>
<td></td>
<td>36&quot;</td>
<td>44669</td>
<td></td>
</tr>
<tr>
<td></td>
<td>42&quot;</td>
<td>44935</td>
<td></td>
</tr>
<tr>
<td></td>
<td>48&quot;</td>
<td>44670</td>
<td></td>
</tr>
<tr>
<td><strong>Spark Ignitors (R)</strong></td>
<td>12&quot;</td>
<td>44658</td>
<td></td>
</tr>
<tr>
<td></td>
<td>18&quot;</td>
<td>44659</td>
<td></td>
</tr>
<tr>
<td></td>
<td>20&quot;</td>
<td>45715</td>
<td></td>
</tr>
<tr>
<td></td>
<td>24&quot;</td>
<td>44660</td>
<td></td>
</tr>
<tr>
<td></td>
<td>30&quot;</td>
<td>44661</td>
<td></td>
</tr>
<tr>
<td></td>
<td>36&quot;</td>
<td>44662</td>
<td></td>
</tr>
<tr>
<td></td>
<td>42&quot;</td>
<td>44933</td>
<td></td>
</tr>
<tr>
<td></td>
<td>48&quot;</td>
<td>44663</td>
<td></td>
</tr>
<tr>
<td><strong>Quartz ignitor with carbon steel tube</strong></td>
<td>12&quot;</td>
<td>44652</td>
<td></td>
</tr>
<tr>
<td></td>
<td>18&quot;</td>
<td>44653</td>
<td></td>
</tr>
<tr>
<td></td>
<td>20&quot;</td>
<td>not available</td>
<td></td>
</tr>
<tr>
<td></td>
<td>24&quot;</td>
<td>44654</td>
<td></td>
</tr>
<tr>
<td></td>
<td>30&quot;</td>
<td>44655</td>
<td></td>
</tr>
<tr>
<td></td>
<td>36&quot;</td>
<td>44656</td>
<td></td>
</tr>
<tr>
<td></td>
<td>42&quot;</td>
<td>44934</td>
<td></td>
</tr>
<tr>
<td></td>
<td>48&quot;</td>
<td>44657</td>
<td></td>
</tr>
<tr>
<td><strong>Quartz ignitor with stainless steel tube</strong></td>
<td>12&quot;</td>
<td>44652</td>
<td></td>
</tr>
<tr>
<td></td>
<td>18&quot;</td>
<td>44653</td>
<td></td>
</tr>
<tr>
<td></td>
<td>20&quot;</td>
<td>not available</td>
<td></td>
</tr>
<tr>
<td></td>
<td>24&quot;</td>
<td>44654</td>
<td></td>
</tr>
<tr>
<td></td>
<td>30&quot;</td>
<td>44655</td>
<td></td>
</tr>
<tr>
<td></td>
<td>36&quot;</td>
<td>44656</td>
<td></td>
</tr>
<tr>
<td></td>
<td>42&quot;</td>
<td>44934</td>
<td></td>
</tr>
<tr>
<td></td>
<td>48&quot;</td>
<td>44657</td>
<td></td>
</tr>
</tbody>
</table>
## Assembly Numbers

### Optional Accessory and Replacement Items - Flame Rods

<table>
<thead>
<tr>
<th>COMBUSTIFUME® Line Burner Material Specifications</th>
<th>Ductile iron bodies with #310 SS mixing plates</th>
<th>Ductile iron bodies with Hastelloy X mixing plates</th>
<th>Aluminum bronze bodies w/Hastelloy X mixing plates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Configured Item Number &gt;</td>
<td>CF4D24 - 120</td>
<td>CF5D24 - 120</td>
<td>CF5B24 - 120</td>
</tr>
<tr>
<td><strong>Flame Rods</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mounted Flame</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rod</td>
<td>7.125&quot; long (for direct mounted) 18117 (unsealed) or 1104615 (sealed)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12&quot; long (for direct mounted)</td>
<td>18291</td>
<td></td>
<td></td>
</tr>
<tr>
<td>24&quot; long (for external mounted)</td>
<td>18410</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mounted Flame</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rod with Rubber Cover</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7.125&quot; long (for direct mounted)</td>
<td>1037594</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12&quot; long (for direct mounted)</td>
<td>1050318</td>
<td></td>
<td></td>
</tr>
<tr>
<td>24&quot; long (for external mounted)</td>
<td>1050319</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Optional Accessory and Replacement Items - Gasket/Fastener Kits

<table>
<thead>
<tr>
<th>COMBUSTIFUME® Line Burner Material Specifications</th>
<th>Ductile iron bodies with #310 SS mixing plates</th>
<th>Ductile iron bodies with Hastelloy X mixing plates</th>
<th>Aluminum bronze bodies w/Hastelloy X mixing plates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Configured Item Number &gt;</td>
<td>CF4D24 - 120</td>
<td>CF5D24 - 120</td>
<td>CF5B24 - 120</td>
</tr>
<tr>
<td><strong>Gasket/ Fastener Kits</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Body Flange</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Choices</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flange Gasket Only</td>
<td>1047672</td>
<td>1049627</td>
<td>39880</td>
</tr>
<tr>
<td>600°F (max) GasketKit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>600°F (max) Gasket Kit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1050°F (max) Gasket Kit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1050°F (max) Gasket Kit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12&quot; Back Inlet Choices</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Choices</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flange Gasket Only</td>
<td>1047671</td>
<td>1049872</td>
<td></td>
</tr>
<tr>
<td>600°F (max) Gasket Kit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>800°F (max) Gasket Kit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1050°F (max) Gasket Kit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1050°F (max) Gasket Kit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>36&quot; Back Inlet Choices</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Choices</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flange Gasket Only</td>
<td>1047671</td>
<td>1049874</td>
<td></td>
</tr>
<tr>
<td>600°F (max) Gasket Kit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>800°F (max) Gasket Kit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1050°F (max) Gasket Kit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1050°F (max) Gasket Kit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cross Back Inlet Choices</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Choices</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flange Gasket Only</td>
<td>1047674</td>
<td>1049896</td>
<td></td>
</tr>
<tr>
<td>600°F (max) Gasket Kit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>800°F (max) Gasket Kit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1050°F (max) Gasket Kit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1050°F (max) Gasket Kit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>End Plate Spare Fastener Kits</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fastener Kits</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plated (600°F max)</td>
<td>1068683</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stainless Steel (800°F max)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A-286 High Temp (1050°F max)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Seal Plate Choices</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Seal Plate Gasket Only</td>
<td>1047669</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gasket sealant</td>
<td></td>
<td></td>
<td>39565</td>
</tr>
</tbody>
</table>
### Assembly Numbers

**Raw Gas INCINO-PAK® Burner Sections**

(includes spark electrode & adjustable pilot gas orifice)

<table>
<thead>
<tr>
<th>Description</th>
<th>Ductile iron bodies with #310 stainless steel mixing plates</th>
<th>Ductile iron bodies with Hastelloy X mixing plates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Series 600 CF</td>
<td>CF4D IP</td>
<td>CF5D IP</td>
</tr>
<tr>
<td>Series 800 CF</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Series 1100 CF</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:** Each open end of these burner sections must be closed off with an end plate from options listed on page 5700-A/P-3.

---

### Segment Choice Detail – INCINO-PAK® Burner Sections

<table>
<thead>
<tr>
<th>Segment Name</th>
<th>Segment Description</th>
<th>Segment Choice (DEFAULT is shaded)</th>
<th>Segment Choice Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONNECTION TYPE</td>
<td>Type of threaded connection</td>
<td>ANSI_THRD</td>
<td>ANSI threaded</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ISO_THRD</td>
<td>ISO threaded</td>
</tr>
<tr>
<td>BACK INLET TYPE</td>
<td>Type of back inlet</td>
<td>1100</td>
<td>43.3” (1100 mm) wall to body centerline</td>
</tr>
<tr>
<td></td>
<td></td>
<td>600</td>
<td>23.8” (600 mm) wall to body centerline</td>
</tr>
<tr>
<td></td>
<td></td>
<td>800</td>
<td>31.5” (800 mm) wall to body centerline</td>
</tr>
<tr>
<td>SECTION TYPE</td>
<td>Type of burner section</td>
<td>12B</td>
<td>12” B straight back inlet</td>
</tr>
<tr>
<td></td>
<td></td>
<td>36H</td>
<td>36” H back inlet</td>
</tr>
<tr>
<td>EXTENSION (LOCATION A)</td>
<td>Additional section</td>
<td>NONE</td>
<td>No additional section</td>
</tr>
<tr>
<td></td>
<td></td>
<td>12</td>
<td>12” straight section</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6</td>
<td>6” straight section</td>
</tr>
<tr>
<td>EXTENSION (LOCATION B)</td>
<td>Additional section</td>
<td>NONE</td>
<td>No additional section</td>
</tr>
<tr>
<td></td>
<td></td>
<td>12</td>
<td>12” straight section</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6</td>
<td>6” straight section</td>
</tr>
<tr>
<td>EXTENSION (LOCATION C)</td>
<td>Additional section</td>
<td>NONE</td>
<td>No additional section</td>
</tr>
<tr>
<td></td>
<td></td>
<td>12</td>
<td>12” straight section</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6</td>
<td>6” straight section</td>
</tr>
<tr>
<td>EXTENSION (LOCATION D)</td>
<td>Additional section</td>
<td>NONE</td>
<td>No additional section</td>
</tr>
<tr>
<td></td>
<td></td>
<td>12</td>
<td>12” straight section</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6</td>
<td>6” straight section</td>
</tr>
<tr>
<td>MAX. APPROACH AIR TEMP. (°F)</td>
<td>Maximum approach air temperature</td>
<td>1000</td>
<td>1000°F approach air temperature (max)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>450</td>
<td>450°F approach air temperature (max)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>600</td>
<td>600°F approach air temperature (max)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>800</td>
<td>800°F approach air temperature (max)</td>
</tr>
</tbody>
</table>

---

Maxon practices a policy of continuous product improvement. It reserves the right to alter specifications without prior notice.
## Assembly Numbers

### Spare parts for CF INCINO-PAK® Burners

<table>
<thead>
<tr>
<th>Description</th>
<th>Item Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPARK IGNITOR</td>
<td>36934 36935 36936</td>
</tr>
<tr>
<td>ADJUSTABLE ORIFICE</td>
<td>15726</td>
</tr>
<tr>
<td>MOUNTING GASKET (10” diameter)</td>
<td>1047670</td>
</tr>
<tr>
<td>BODY GASKET (5.75” diameter)</td>
<td>1047672 (ductile) or 39880 (aluminum bronze)</td>
</tr>
<tr>
<td>INLET FLANGE GASKET</td>
<td>1047675</td>
</tr>
<tr>
<td>GASKET SEALANT (1/4 lb.)</td>
<td>39565</td>
</tr>
<tr>
<td>LV HIGH TEMPERATURE FASTENER KIT*</td>
<td>1048206</td>
</tr>
<tr>
<td>CF HIGH TEMPERATURE FASTENER KIT</td>
<td>1049625</td>
</tr>
</tbody>
</table>

*Intended for LV INCINO-PAK® Burners (refer to Catalog Section 4-21.4)