Name and Function of Components

**Warning label (burn)**

⚠️ WARNING
DO NOT TOUCH HOT SURFACE

**Warning label (machinery)**

⚠️ WARNING
WATCH YOUR FINGERS CAN CAUSE INJURY

**Ejector**
Release and cools combustion gas to keep negative pressure inside the furnace.

**Ejector blower**
(BGW-80N, 100N is in a different place)

**Charging door**
Door for loading solid waste.

**Sight window**
A window for observing the incineration conditions of solid waste.

**Ash removal door**
The door for removing the ashes of incinerated solid waste.

### Warning

Remove ashes carefully because the hot residual materials may be contained even when the temperature of the combustion chamber is low. Hot ashes may cause personal injury of burn.

Attached to the door side casing are:
1. Warning label (ash removal)
2. Warning label (solid material)
3. Note label (solid material)
4. Operation label
External view of the burner (BGW-20N, 30N, 50N, 80N, 100N)
Instructions for operating equipment

Name and function of indicator

**Power lamp**
Illuminates when unit is in operations.

**Mis-fire lamp**
Illuminates when mis-fire occurs during combustion.

**Pilot oil pressure lamp**
Illuminates when fuel oil pressure for pilot burner is low.

**Waste oil abnormal pressure lamp**
Illuminates when waste oil pressure is too low.

**Low air pressure lamp**
Illuminates when atomizing air pressure of the waste oil burner is low.

**BCU abnormal lamp**
This lamp flashes if there's no power during operation, or if the BCU is not operating normally.

**Cooling fan lamp**
Illuminated while the cooling fan is in operation.

**Thermometer**
Indicates a temperature of the furnace.

**Furnace high temperature lamp**
Illuminates when the furnace temperature is too high.

**High Exhaust temperature lamp**
Illuminates when exhaust gas temp is too high.

**Furnace pressure high / cooling fan abnormal lamp**
Illuminates when the cooling fan is not working properly.

**Burner fan abnormal**
Illuminates when the Fan motor over loads.

**Cooling fan abnormal lamp**
This lamp flashes to warn that the cooling fan is not operating normally.

**Combustion lamp**
Illuminates during combustion condition.
Ignition Burner

<table>
<thead>
<tr>
<th>NO.</th>
<th>name</th>
<th>NO.</th>
<th>name</th>
</tr>
</thead>
<tbody>
<tr>
<td>201</td>
<td>Baffle plate (complete)</td>
<td>206</td>
<td>CdS cell</td>
</tr>
<tr>
<td>202</td>
<td>Nozzle chip</td>
<td>2C1</td>
<td>Copper pipe fitting</td>
</tr>
<tr>
<td>204</td>
<td>Nozzle pipe (complete)</td>
<td>2C4</td>
<td>Insulator bushing</td>
</tr>
<tr>
<td>205</td>
<td>Spark rod</td>
<td></td>
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</tbody>
</table>

Nozzle chips, spark rods and insulator bushings wear out, so you should replace them once a year.
Burner

<table>
<thead>
<tr>
<th>No.</th>
<th>name</th>
<th>L-size</th>
<th>M-size</th>
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</thead>
<tbody>
<tr>
<td>102</td>
<td>Shroud</td>
<td>253</td>
<td>33</td>
</tr>
<tr>
<td>103</td>
<td>Burner lid</td>
<td>260</td>
<td>33</td>
</tr>
<tr>
<td>106</td>
<td>Nozzle case</td>
<td>320</td>
<td>27</td>
</tr>
<tr>
<td>107</td>
<td>Waste oil nozzle</td>
<td>341</td>
<td>27</td>
</tr>
<tr>
<td>108</td>
<td>Nozzle pipe</td>
<td>361</td>
<td>27</td>
</tr>
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</table>

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<th>No.</th>
<th>name</th>
<th>L-size</th>
<th>M-size</th>
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</thead>
<tbody>
<tr>
<td>109</td>
<td>O ring</td>
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<td>33</td>
</tr>
<tr>
<td>110</td>
<td>Casing</td>
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<td>27</td>
</tr>
<tr>
<td>1C1</td>
<td>Nipple</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1D1</td>
<td>Set screw</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1D4</td>
<td>Set screw</td>
<td></td>
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</table>