Rinnai has certified the Centrotherm InnoFlue (single wall) venting system as an optional venting system for the following condensing water heater models:

- RC80HPI, RC80i (KA2530FFUD-US)
- RC98HPI, RC98i (KA3237FFUD-US)
- RU80i (KB2530FFUD-US)
- RU98i (KB3237FFUD-US)

When installing the Centrotherm 2 pipe system:

- Comply with the exhaust clearances found in the Rinnai Operation and Installation Manual.
- Only one appliance can be attached to the vent system.
- Install the system in accordance to the Centrotherm installation instructions.
- Use the 3"/5" concentric to twin pipe adaptor and 3" diameter venting.
- The vent termination and air intake must be in the same pressure zone.
- Do not exceed maximum straight vent length with number of elbows as shown in the tables on the next page.
- Maintain the clearances shown in the figures below.

**WARNING**

DO NOT use PVC on the exhaust venting. PVC is allowed on the intake only.

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**Vertical Termination**

12" Minimum above anticipated snow level

**Horizontal Termination**

Minimum clearances

5" Vent
11" Intake
8" Exhaust
12" Exhaust
### Maximum Straight Vent Length

There are two types of elbows, short radius and long radius.

1. Count the number of elbows in your venting excluding the termination/intake.
2. Refer to the correct table for your type of elbow (long/short) to find the maximum straight vent length.
3. Refer to the third column. If required based on vent length, move switch #1 in the tan dip switches to OFF.

**Example 1:** Venting has one 90° short elbow and is 12 feet. The maximum straight vent length is 27 ft (6.71 m) and since the length is greater than 3 ft, switch #1 (tan) is moved to OFF.

**Example 2:** Venting has two 90° long elbows and is 6 feet. The maximum straight vent length is 33 ft (10.06 m) and since the length is less than 9 ft, switch #1 (tan) should be ON.

#### Vent length using short radius elbow

(Intake is the short UV protected 90° elbow)

<table>
<thead>
<tr>
<th>Number of 90° Short Radius Elbows</th>
<th>Maximum Straight Vent Length</th>
<th>Switch #1 in the tan DIP switches</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>42 ft (12.80 m)</td>
<td>18 ft (5.49 m) move switch #1 to OFF</td>
</tr>
<tr>
<td>1</td>
<td>27 ft (8.23 m)</td>
<td>3 ft (0.91 m) move switch #1 to OFF</td>
</tr>
<tr>
<td>2</td>
<td>12 ft (3.66 m)</td>
<td>move switch #1 to OFF for any length</td>
</tr>
</tbody>
</table>

#### Vent length using long radius elbow

(Intake is the long UV protected 90° elbow)

<table>
<thead>
<tr>
<th>Number of 90° Long Radius Elbows</th>
<th>Maximum Straight Vent Length</th>
<th>Switch #1 in the tan DIP switches</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>45 ft (13.72 m)</td>
<td>21 ft (6.40 m) move switch #1 to OFF</td>
</tr>
<tr>
<td>1</td>
<td>39 ft (11.89 m)</td>
<td>15 ft (4.57 m) move switch #1 to OFF</td>
</tr>
<tr>
<td>2</td>
<td>33 ft (10.06 m)</td>
<td>9 ft (2.74 m) move switch #1 to OFF</td>
</tr>
<tr>
<td>3</td>
<td>27 ft (8.23 m)</td>
<td>3 ft (0.91 m) move switch #1 to OFF</td>
</tr>
<tr>
<td>4</td>
<td>21 ft (6.40 m)</td>
<td>move switch #1 to OFF for any length</td>
</tr>
<tr>
<td>5</td>
<td>15 ft (4.57 m)</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>9 ft (2.74 m)</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>3 ft (0.91 m)</td>
<td></td>
</tr>
</tbody>
</table>

#### Centrotherm Information for Rinnai Condensing Water Heaters

- **Listed and Tested Vent Product:** InnoFlue Vent System (single wall SW, 3 inch diameter)
- **Telephone:** 877-434-3432
- **Fax:** 518-618-3166
- **Email:** info@centrotherm.us.com
- **Website:** www.centrotherm.us.com

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