

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)

RU80i (KB2530FFUD-US)

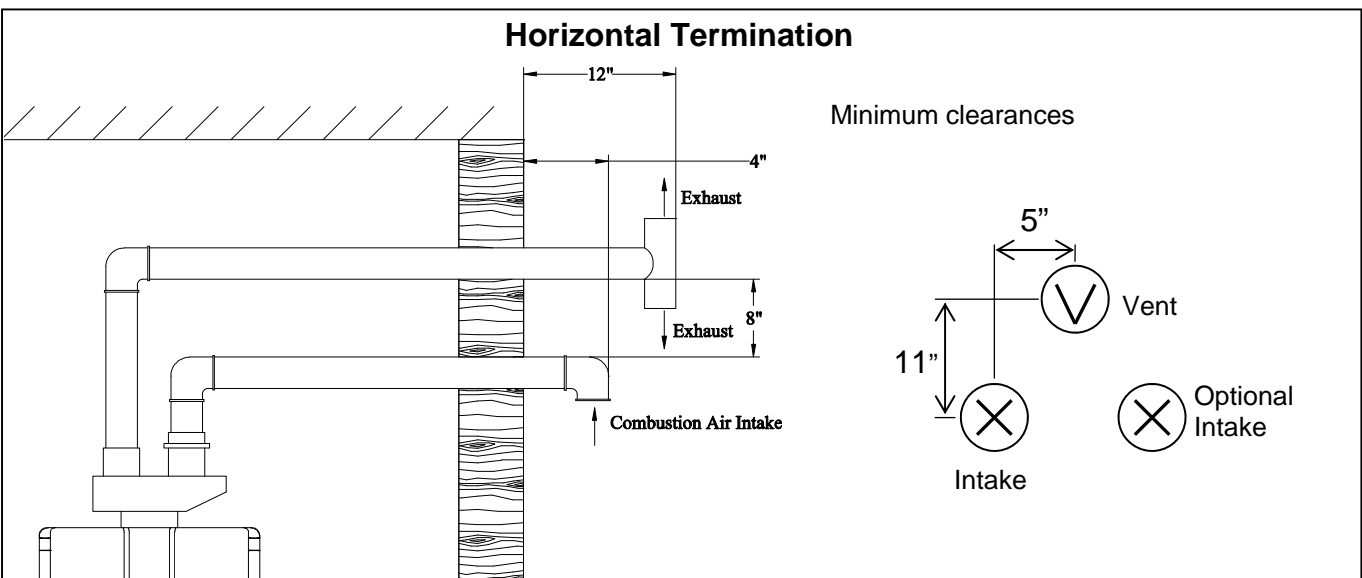
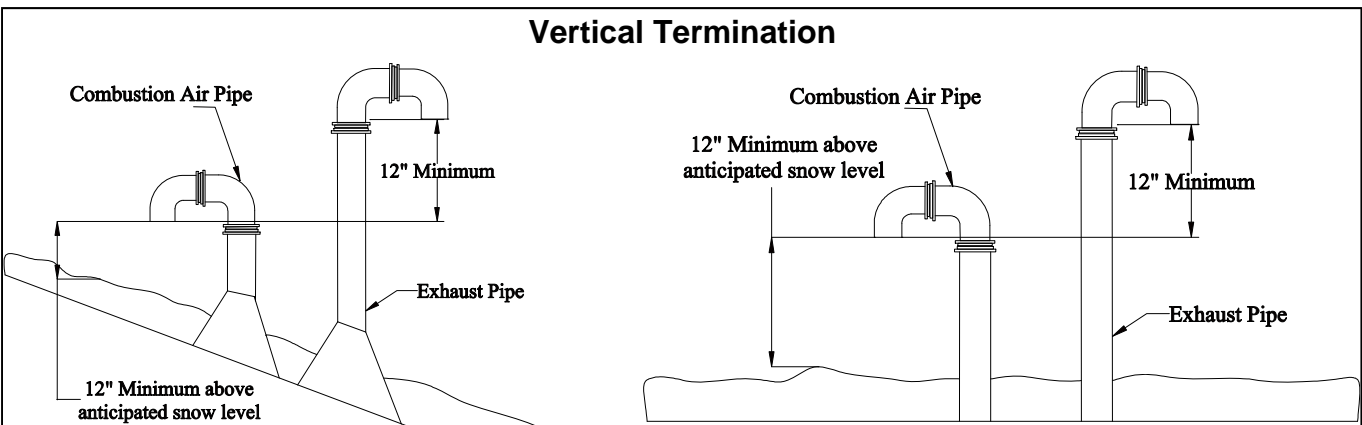
RC98HPi, RC98i (KA3237FFUD-US)

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 according 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.



# TB– 89 Rev A - Centrotherm InnoFlue 2 Pipe System

## 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)

Number of 90° Short Radius Elbows	Maximum Straight Vent Length	Switch #1 in the tan DIP switches If length is greater than:
0	42 ft (12.80 m)	18 ft (5.49 m) move switch #1 to OFF
1	27 ft (8.23 m)	3 ft (0.91 m) move switch #1 to OFF
2	12 ft (3.66 m)	move switch #1 to OFF for any length

**Vent length using long radius elbow**  
(Intake is the long UV protected 90° elbow)

Number of 90° Long Radius Elbows	Maximum Straight Vent Length	Switch #1 in the tan DIP switches If length is greater than:
0	45 ft (13.72 m)	21 ft (6.40 m) move switch #1 to OFF
1	39 ft (11.89 m)	15 ft (4.57 m) move switch #1 to OFF
2	33 ft (10.06 m)	9 ft (2.74 m) move switch #1 to OFF
3	27 ft (8.23 m)	3 ft (0.91 m) move switch #1 to OFF
4	21 ft (6.40 m)	move switch #1 to OFF for any length
5	15 ft (4.57 m)	
6	9 ft (2.74 m)	
7	3 ft (0.91 m)	

## 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  
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 Email: info@centrotherm.us.com  
 Website: www.centrotherm.us.com