

## Technical Bulletin 151 - Ubbink Flexible Venting for M-Series Boilers

**PURPOSE:** To announce the approval of Ubbink Rolux® flexible vent system components with the following Rinnai M-Series Boiler models:

Combi	Solo
M060C	M060S
M090C	M090S
M120C	M120S
M160C	M160S

### INSTALLATION REQUIREMENTS:

<b>Vent Options</b>	Room Air (Non-Direct Vent) applications ONLY. <b>NOT approved for outside combustion air (Direct Vent).</b>
<b>Diameter</b>	2 in. (60 mm)
<b>Material</b>	Polypropylene (PP) <i>DO NOT combine vent components from different manufacturers.</i>
<b>Maximum Equivalent Vent Length</b>	M060S, M060C, M090S—60 ft (18.3m) M090C, M120S, M120C, M160S, M160C—30 ft (9.1m)
<b>Termination</b>	Vertical only. <i>DO NOT run or terminate horizontally as condensate will not drain properly.</i>
<b>Bending Conditions</b>	<ul style="list-style-type: none"> <li>Bend radius: Must be larger than 7 in. (178 mm) (Figure 1)</li> <li>Angle: Do not install in angle over 45° to vertical (Figure 2)</li> </ul>
<b>Clearances</b>	0 (zero) clearance to combustible materials.
<b>Installation Temperatures</b>	Do not install while ambient temperatures are below 41°F (5°C). In colder weather, pre-warm flex venting prior to installation.
<b>Additional Requirements</b>	<ul style="list-style-type: none"> <li>Vent system connects to only one Rinnai M-Series Boiler.</li> <li>Ubbink Rolux® venting components must be used throughout the entire vent system. Do not combine with vent components from other manufacturers.</li> <li>Do not store venting exposed to sunlight.</li> <li>Venting must be enclosed and used with a rigid PP pipe to connect to the boiler (Figure 3 on next page).</li> </ul>
<b>Approvals/Codes</b>	Installation must conform to the Rinnai Installation and Operation Manual that is shipped with the unit, local codes, or in the absence of local codes, with the National Fuel Gas Code, ANSI Z223.1/NFPA 54.

Figure 1

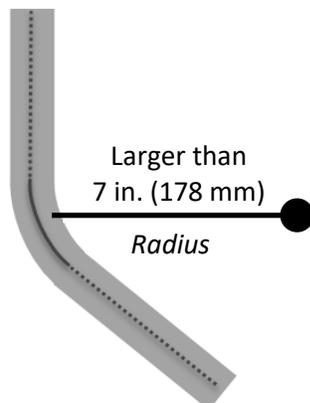
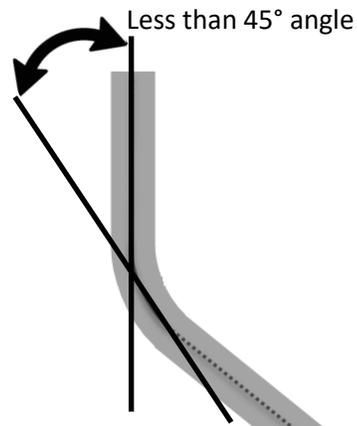


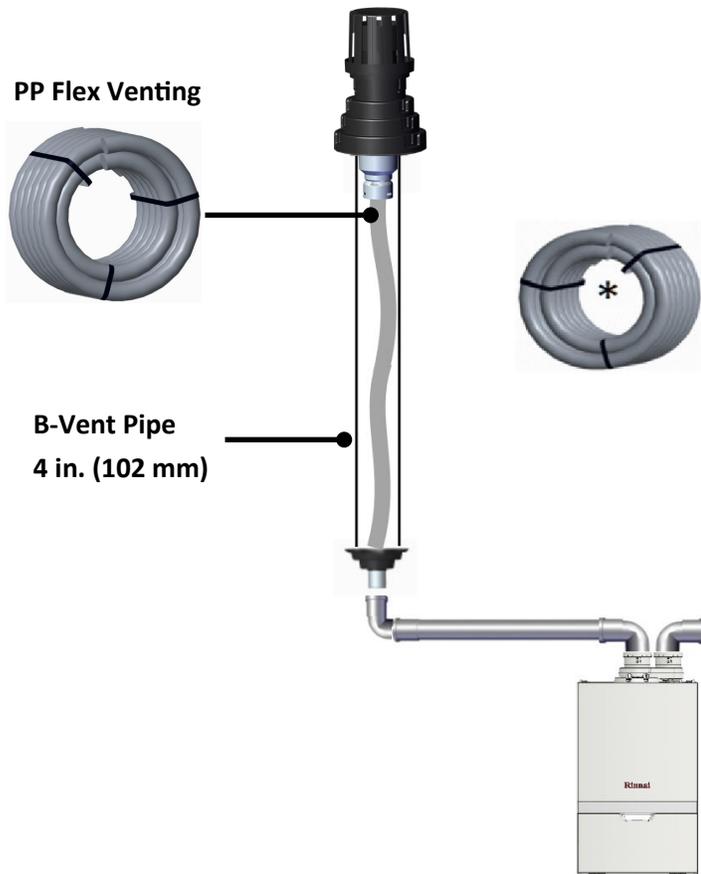
Figure 2



**COMPONENTS:**



**Figure 3: Example Configuration**



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