



## Technical Bulletin 125 - ECCO Venting for M-Series Boilers

**Purpose:** To announce the approval of ECCO Manufacturing venting system components as additional venting options for the following Rinnai M-Series Condensing Boilers:

<b>Combi Models:</b>	M060C, M090C, M120C, M160C
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<b>Solo Models:</b>	M060S, M090S, M120S, M160S
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### Approved Vent Manufacturer

Manufacturer	Listed and Tested Vent Products	Telephone	Fax	Contact
ECCO Manufacturing	ECCO Polypropylene Vent™	877-955-4805	604-533-9335	www.eccomfg.com

### Approved 2 in. (60 mm) ECCO Manufacturing Vent Products (Item Numbers)

Pipe Lengths	Elbows	2/4 Concentric Termination	2/4 Concentric Adapter	Locking Clamp, Support Bracket
190200, 190203, 190204, 190206	190211, 190212, 190213, 190214	190288 190295	190911	190220 190221

### Approved 3 in. (80 mm) ECCO Manufacturing Vent Products (Item Numbers)

Pipe Lengths	Elbows	3/5 Concentric Termination	3/5 Concentric Adapter	Locking Clamp, Support Bracket
190300, 190303, 190304, 190306	190311, 190312, 190313, 190314	190388 190395	190921	190320 190321

The installation of the above components 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.

### Maximum Equivalent Vent Lengths

Measurements shown in Ft (m).

M060S, M060C, M090S			M090C, M120S, M120C, M160S, M160C		
Number of 90° Elbows	2 in. (60 mm) Maximum Vent Length	3 in. (80 mm) Maximum Vent Length	Number of 90° Elbows	2 in. (60 mm) Maximum Vent Length	3 in. (80 mm) Maximum Vent Length
0	60 (18.3)	150 (45.7)	0	30 (9.1)	140 (42.7)
1	54 (16.5)	144 (43.9)	1	24 (7.3)	134 (40.8)
2	48 (14.6)	138 (42.1)	2	18 (5.5)	128 (39.0)
3	42 (12.8)	132 (40.2)	3	12 (3.7)	122 (37.2)
4	36 (11.0)	126 (38.4)	4	6 (1.8)	116 (35.4)
5	30 (9.1)	120 (36.6)	5	N/A	110 (33.5)
6	24 (7.3)	114 (34.7)	6	N/A	104 (31.7)

- Each termination is equivalent to the length of pipe of the termination.
- The installer must determine the number of 90-degree elbows in the vent system (two 45-degree elbows count as one 90-degree elbow). Refer to the table and guidelines above for maximum vent length based on the number of elbows.