



Technical Bulletin 144 (Rev A) - ECCO Venting for SENSEI™ Tankless Water Heaters

The purpose of this technical bulletin is to announce the approval of ECCO Manufacturing venting system components as additional venting options for the following Rinnai SENSEI™ Condensing Tankless Water Heaters:

Certified for Use with Rinnai Tankless Water Heater Models

Residential	Residential (With Pump)	Commercial
RU199i (REU-N3237FF-US) RU180i (REU-N2934FF-US) RU160i (REU-N2530FF-US) RU130i (REU-N2024FF-US)	RUR199i (REU-NP3237FF-US) RUR160i (REU-NP2530FF-US)	CU199i (REU-N3237FFC-US) CU160i (REU-N2530FFC-US)

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. ECCO Manufacturing Vent Products (Item #s)

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

Approved 3 in. ECCO Manufacturing Vent Products (Item #s)

Appliance Adapter	Pipe Lengths	Elbows	3/5 Concentric Termination	3/5 Concentric Adapter	Locking Clamp, Support Bracket
190226	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.)

Number of 90° Elbows	2 in. Maximum Vent Length	3 in. Maximum Vent Length
0	65 ft. (19.8 m)	150 ft. (45.7 m)
1	59 ft. (18.0 m)	144 ft. (43.9 m)
2	53 ft. (16.1 m)	138 ft. (42.0 m)
3	47 ft. (14.3 m)	132 ft. (40.2 m)
4	41 ft. (12.5 m)	126 ft. (38.4 m)
5	35 ft. (10.6 m)	120 ft. (36.5 m)
6	29 ft. (8.8 m)	114 ft. (34.7 m)

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 to the left for maximum vent length based on the number of elbows.

(Each termination is equivalent to the length of pipe of the termination.)