



Technical Bulletin 103 - High Altitude Common Vent (Cvent) Certification

The Rinnai RU98i (REU-KB3237FFUD-US) has been certified for use with the Cvent Common Exhaust Vent System at high altitude installations up to 10,200 (3,109m). The common vent system is CSA certified (ANSI Z21.10.3, Gas Water Heaters Standards) for use only with the Rinnai tankless condensing water heater **RU98i (REU-KB3237FFUD-US)**.

For Cvent installations at altitude you must ensure that the water heaters are properly installed and setup for the altitude that they will be operating at. In addition to the altitude setting the water heater must be set up for "Long Vent" when using the Cvent system. Refer to the Operation and Installation manual that accompanies the water heater for proper installation of the water heater and the Common Vent Installation Manual.

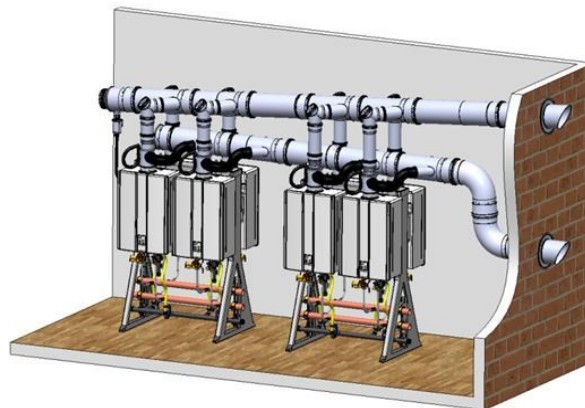
Specifications

Water heaters using Cvent at altitude will automatically de-rate according to the table below. Use the tables below for calculating your total Btu for multiple water heaters using Cvent at elevation:

High Altitude De-Rate plus Cvent De-Rate - Natural Gas			
Number of Water Heaters	2001-5200 Ft	5201 - 7700 Ft	7701 - 10200 Ft
1	170,000	153,000	139,000
2	336,600	302,940	275,220
3	499,800	449,820	408,660
4	659,600	593,640	539,320
5	816,000	734,400	667,200
6	969,000	872,100	792,300
7	1,118,600	1,006,740	914,620
8	1,264,800	1,138,320	1,034,160

High Altitude De-Rate plus Cvent De-Rate - LP Gas			
Number of Water Heaters	2001-5200 Ft	5201 - 7700 Ft	7701 - 10200 Ft
1	168,000	151,000	120,000
2	332,640	298,980	237,600
3	493,920	443,940	352,800
4	651,840	585,880	465,600
5	806,400	724,800	576,000
6	957,600	860,700	684,000
7	1,105,440	993,580	789,600
8	1,249,920	1,123,440	892,800

Reference Rinnai Operation and Installation Manual for proper dip switch settings for altitude and long vent.



WARNING Improper installation of the vent system and components, or failure to follow all installation instructions, can result in serious injury.

WARNING **DO NOT** use PVC as exhaust venting. **PVC** is **ONLY** allowed for **intake** use.