

---

**From:** Tyler Nickerson *[personal contact information removed by EPA]*  
**Sent:** Thursday, July 23, 2009 12:00 AM  
**To:** Martinez, Darcy  
**Cc:** *[personal contact information removed by EPA]*  
**Subject:** RE: Water Coolers Specification Revision

Greetings Darcy,

Regarding the recommended changes to the existing Version 1.1 Testing Criteria for the Bottle Water Coolers, we would like to propose the following changes.

#### Comment Visibility

We agree that our comments and/or suggestions can be displayed for reference concerning the revisions of this standard

#### Testing Criteria Version 1.1

##### Section 1A

A. Bottled Water Cooler: A freestanding device that consumes energy and dispenses water from removable 4- to 5-gallon plastic bottles commonly positioned on top of the unit.

Based on market usage, the above bottle sizes are recommended to change to indicate a range of 3~5 gallon plastic bottles

##### Section 4E

E. Ambient Temperature: Ambient air and water temperature must be  $75^{\circ} \pm 2^{\circ}\text{F}$ .

Recommend to add the Celsius conversions (to be more in-line with international standards)

$75^{\circ}\text{F} \pm 2^{\circ}\text{F}$  [ $23.8^{\circ}\text{C} \pm 1.2^{\circ}\text{C}$ ]

or

$23.8^{\circ}\text{C} \pm 1.2^{\circ}\text{C}$  [ $75^{\circ}\text{F} \pm 2^{\circ}\text{F}$ ]

##### Section 4F

F. Dispensed Water Temperatures: Cold water temperature shall not exceed  $50^{\circ}\text{F}$  and hot water temperature shall be at least  $165^{\circ}\text{F}$ . These temperatures shall be measured before conducting the standby energy use test described in this specification when the respective function, compressor, or heating element turns on.

Recommend to add the Celsius conversions

#### Add a new condition

G. Measurement of Dispensed Water Temperatures: Dispense the initial 100ml dispensed water, dispense  $200 \pm 5\text{mL}$  water using a  $250 \pm$  scaled measuring container. Measure the water temperature in the container immediately after stopping the water flow.

G. Cooler Location: The unit must be no more than 6 inches from a wall at least 7 feet high and extending horizontally at least 2 feet from each side of the unit.

Rename bullet point to (H.)

Add metric conversion for measurements (inches [mm])

H. Airflow: Airflow around the unit must be natural; no artificial means of increasing the airflow are permitted. Airflow created by components integral to the unit itself, such as internal fans, are permitted.

Rename bullet point to (I.)

I. Airflow: Airflow around the unit must be no greater than 0.25 m/sec [imperial unit here].  
Airflow created by components integral to the unit itself, such as internal fans, are permitted.

I. Compartment Temperature: If the unit being tested is a compartment-type bottled water cooler, during the test, there shall be no melting of ice, nor shall the average temperature exceed 46.0° F [7.8° C] in the refrigerated compartment<sup>1</sup>.

Rename bullet point to (J.)

Add a new condition

K. Wattmeter: The Wattmeter used to measure the power consumption should have a minimum resolution of 0.1Watt and an accuracy of +/-2%

If you have any questions or comments concerning the above information, please let me know

Regards,

**Tyler Nickerson**

*Manager, Production Engineering Department*

**Crystal Mountain Products Limited**

18136-102 Avenue

Edmonton, Alberta

Canada T5S 1S7

*[personal contact information removed by EPA]*