

State of California
Department of Food and Agriculture
Division of Measurement Standards

Certificate Number: 5431-05

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California Type Evaluation Program
Certificate of Approval
for Weighing and Measuring Devices

For:

Water Dispenser

Model: CTV-200

Submitted by:

Coster Engineering
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Standard Features and Options

- Self contained window/wall mount unit
- 1, 2, 3 and 5 gallon vends
- Badger Model M25 water meter, with a proximity sensor
- Controller, Direct Logic Model 105
- Multi-drop bus (MDB) coin mechanism with coin return
- Dollar bill validator
- Pressure sensor for air elimination
- Pause button to temporarily stop vend
- Displays monetary amount and shows what is needed for correct vend
- Separate customer dispense initiation buttons for each vend size

NOTE: Money-operated type devices shall have clearly and conspicuously displayed adequate information detailing the method for the return of monies when the product or service cannot be obtained. This information shall include the name, address, and phone number of the *local* servicing agency for the device.

This device was evaluated under the California Type Evaluation Program (CTEP) and was found to comply with the applicable technical requirements of California Code of Regulations for "Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.

Effective Date: April 4, 2005



Mike Cleary, Director

**Coster Engineering
Water Dispenser
Model: CTV-200**

Application: Approved for use as a water vending dispenser.

Identification: The identification badge is located on the ceiling of the fill area, to the right rear of the fill spout, on the Model CTV-200 dispenser.

Sealing: The water meter can be sealed with a wire security seal threaded through a drilled screw head on the side of the register device to hole(s) on the bottom of the thermoplastic measuring chamber or through a drilled bolt head on the bottom of the cast brass measuring chamber.

The Direct Logic Model 105 controller housing has provisions for applying a wire security seal to the cover and housing on two sides of the box. The controller is located on the inside of the door.

Operation: This device is a money value water vending dispenser in single interruptible quantities of 1, 2, 3 or 5 gallons. The delivery can be paused and restarted. Delivered volume is regulated by a Badger water meter (Model 25) modified with a proximity sensor which sends pulses to the controller.

Test Conditions: The emphasis of the evaluation was on device design, accuracy, sealing and labeling requirements. Field tests were conducted to verify the coin and dollar bill mechanisms and the accuracy of the 1, 2, 3 and 5 gallon water vends. Throughput of 2013 vends were recorded between the initial and permanence tests.

Results of the evaluation indicate the device complies with applicable requirements.

Type Evaluation Criteria Used: Title 4, California Code of Regulations, 2004 Edition

Tested By: Joe Raspino (CA), John Roach (CA)



Badger model 25 water meter with sealing provisions and proximity sensor



Controller (located on the inside of the door) sealing provisions



The ID badge is located on the ceiling of the fill area, to the right rear of the fill spout area.