

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

Certificate Number: 5358(a)-13

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

For:

Water Dispenser
Coin, Bill, or Card Operated

Model: G21B

Submitted by:

Glacier Water Services, Inc.
1385 Park Center Drive
Vista, CA 92081
Tel: (760) 560-1111
Fax: (760) 560-0221
Contact: Justin Pigott
E-Mail: justin.pigott@glacierwater.com
Internet: <http://www.glacierwater.com/>

Standard Features and Options

Standard Features

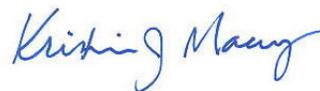
- 1, 2, 3, and 5 Gallon Vends
- Model C700 Water Meter with B-Type Pulser
- Controller Model G2
- Self-Contained Free Standing System
- Coin or Bill Activated Vends Models Coinco and Conlux
- Customer LED Indicator Accumulates Value of Coin Drops
- Lighted Indicator when "Correct Change" is Required
- Lighted Indicator when "Sold-Out" Condition Exists

Options

- Glacier Model PuMA Controller with Pulse Flow Meter (Paired Set)
- 12 VDC Analog Gallon Totalizer
- Credit Card Reading System

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 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: February 5, 2013

Kristin J. Macey, Director

Glacier Water Services, Inc.
Water Dispenser, Coin-Operated / G21B

Application: Approved for use as a water vending dispenser.

Identification: The identification badge is located on the upper right side of the dispenser cabinet under polycarbonate.

Sealing: The Amco model C-700 water meter (Certificate of Approval Number 5100(e)-11), located in the dispenser cabinet, can be sealed with a wire security seal threaded through a hole on the register locking ring to a hole on the measuring chamber. The G2 controller housing has a hinged cover with provisions for applying a security lead and wire seal to the cover and housing.

When the PuMA controller with pulse flow meter system is used in place of the Amco model C-700 water meter and G2 controller, the PuMA controller with pulse flow meter has drilled holes for wire security seals provisions for the box and cover. The connection for the pulsed flow meter wires is inside the box itself.

Operation: This device is a money value vending dispenser designed to deliver water in single, uninterrupted quantities of 1, 2, 3, or 5 gallons. Delivered volume is regulated by an Amco model C-700 water meter or a pulse flow meter. The water meter is equipped with a "Model Type B," self-powered generator which produces pulses for remote systems. The PuMA controller and pulsed flow meter are a paired set with one serial number. When the flow sensor is used it has a 12 VDC analog gallon totalizer inside by the pulsed flow meter and PuMA controller.

A display indicates the money value required to activate a product-select button and start delivery. An indicator displays the cumulative value of money deposited. When change cannot be made for over-deposits, a LCD display reflecting "correct change" must be used. A credit of \$2.00 is displayed when a credit card or debit card is used. This is merely a pre-authorization and does not reflect a charge being made to the card. Once a vend size is used the exact amount of the charge will be displayed. When product is not available, the display will read "sold-out" at which point dispensing is not allowed and all payment systems are disabled so that no funds are accepted.

Test Conditions: The emphasis of the evaluation was on device design, accuracy, marking and sealing requirements of the flow sensor and PuMA controller. Factory tests were conducted to verify the accuracy of the 1, 2, 3, and 5 gallon water vends with the new flow meter system. A total of 2061 vends of throughput and a period of 27 days was recorded between the initial and permanence tests to ensure that long-term accuracy still meets the tolerance.

Certificate of Approval Number 5358-03: The emphasis of the evaluation was on device design, accuracy, and repeatability requirements. Field tests were conducted to verify the coin and dollar bill mechanism and the accuracy of the 1, 2, 3, and 5 gallon water vends. A total of 2217 vends of throughput were recorded between the initial and permanence tests to ensure that long-term accuracy still meets the tolerance.

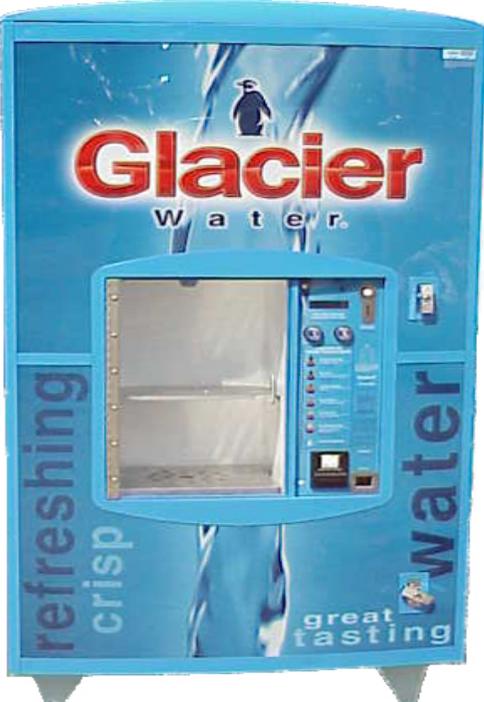
Evaluated By: J. Byers (CA), P. Jordan (CA), 2003; J. Roach (CA) 2013

Type Evaluation Criteria Used: Title 4, California Code of Regulations, 2012 Edition

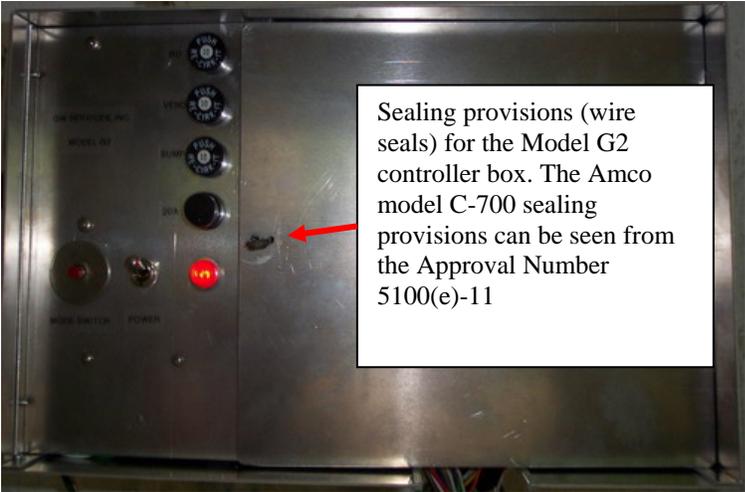
Conclusion: The results of the evaluation and information provided by the manufacturer indicate the device complies with applicable requirements.

Glacier Water Services, Inc.
Water Dispenser, Coin-Operated / G21B

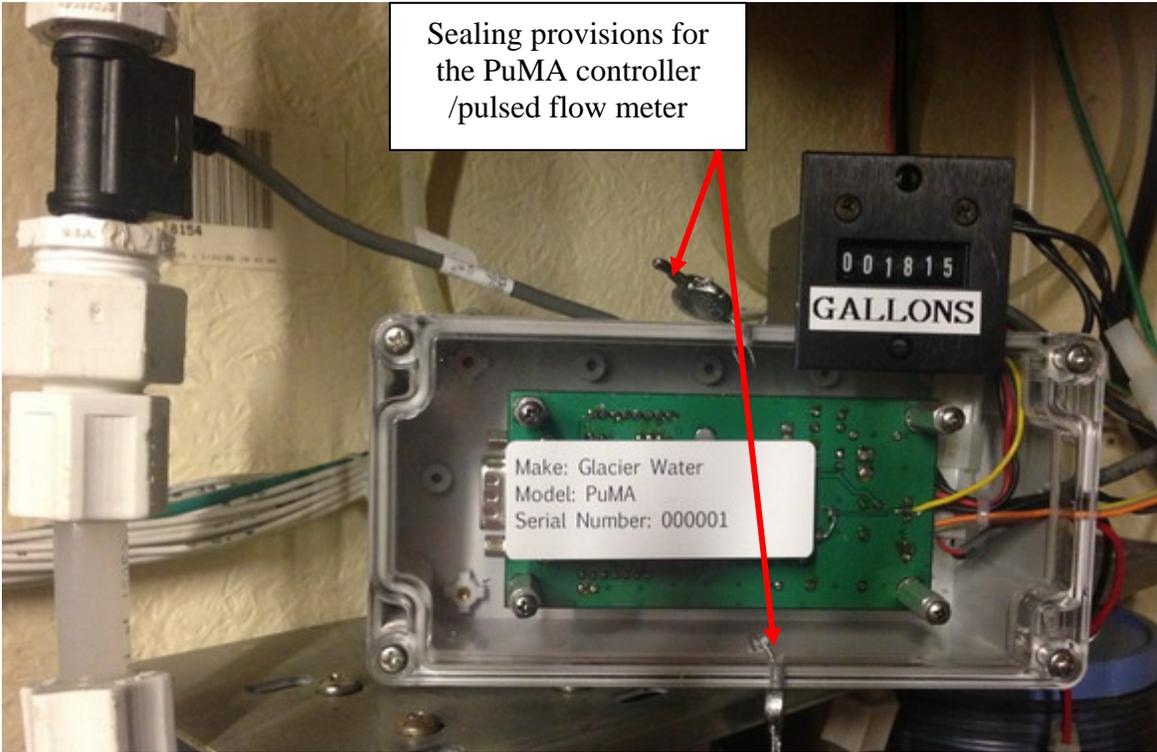
Example(s) of Device:



← ID badge location (behind polycarbonate).



Sealing provisions (wire seals) for the Model G2 controller box. The Amco model C-700 sealing provisions can be seen from the Approval Number 5100(e)-11



Sealing provisions for the PuMA controller /pulsed flow meter