

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

Certificate Number: 5553-08

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

For:

Water Meter
Positive Displacement
Model: Aquity
Size: 5/8" or 5/8" X 3/4"
Maximum Flow Rate: 20 GPM
Minimum Flow Rate: 1/4 GPM

Submitted by:

Neptune Technology Group
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Standard Features and Options

- Magnetic drive register
- Cubic foot unit of measurement
- No-lead copper alloy main case
- Black Plastic register shroud
- Short 6 inch external threaded spuds
- Cast flow direction with the word "IN" on the inlet end of meter case
- Remote pulsing Reed Switch counter or radio read system (not tested)
- Maximum operating pressure 150 PSI

Note: Approved for use only when installed according to the manufacturer's instructions in a "**HORIZONTAL**" position. The American Water Works Association cautions against installing cold-water meters in such locations where the line temperature consistently exceeds 80 °F (27 °C). These devices are to be installed where they are protected from excessive heat and freezing conditions.

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 15, 2008



Edmund E. Williams, Acting Director

**Neptune Technology Group
Water Meter
Model: Aquity**

Application: Approved for use as a domestic cold water meter in legal sub-metering installations.

Identification: The serial number is engraved on a milled flat on the discharge end of the meter body. The flow direction indication “IN” is cast into the inlet of the meter body. The Neptune model number “Aquity” and model size are on the meter body.

Sealing: The register is secured to the main case via a tamper proof seal pin. The bottom frost protection plate may be secured by threading a wire security seal through the drilled heads of the retaining bolts.

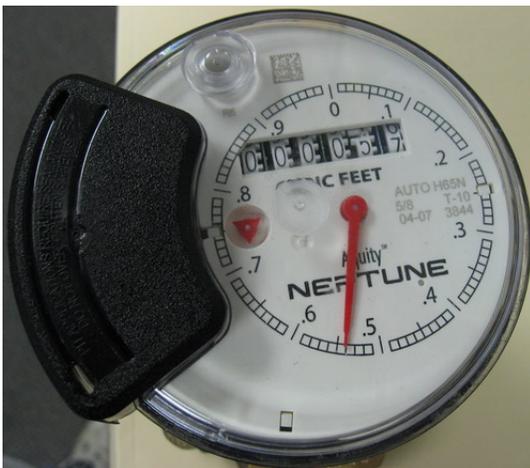
Test Conditions: This certificate of approval is issued for the Neptune Model Aquity which is the same as the Neptune Model T-10 but with shorter (6 inch) external spuds. It is specific to the cubic foot register and 5/8” and the 5/8” X 3/4” meter size only. Meters were tested for accuracy three times each at three flow rates. No throughput or permanence testing was conducted due to the testing done on the previous Model T-10 evaluation, which is listed below.

Certificate of Approval Number 4292(a)-05: This certificate was issued to change the manufacturer’s name from Schlumberger Industries to Neptune Technology Group. The meter model number will remain the same. Provisions for sealing and current marking requirements were reviewed on a Neptune Model T-10 water meter. No meter performance tests were conducted for this update. Previous test conditions are listed below for reference.

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

Type Evaluation Criteria Used: Title 4, California Code of Regulations, 2008 Edition

Tested By: John Roach (CA)



Approved cubic foot register



Tamper proof seal pin near the inlet side of the meter



Bottom frost protection plate may be secured by threading a wire security seal through the drilled heads of the retaining bolts.

