American Society of Sanitary Engineering
Seal (Certification) Program

Test Data Report for:
Hot Water Dispensers, Household Storage Type, Electrical

Tested under ASSE Standard 1023 • Issued: 1979

Laboratory File Number_____

Manufacturer_____

Model No. _____

Address_____

Serial No. _____

Other Identification Markings _____

Size _____

Connections (screwed, flanged, etc.)_____

General information and instructions for the testing engineer:

Within the text there may be items which are only advisory to conditions which experience indicates could be troublesome. It is not for evaluation related to acceptance of the product.

There may be other items for which the judgment of the test engineer will be involved. Should there be a question of compliance with that provision of the standard, a conference with the manufacturer should be arranged to enable a satisfactory solution of the question.

Should disagreement persist and compliance remain in question by the test agency, the agency shall, if the product is in compliance with all other requirements of the standard, file a complete report on the questionable items together with the test report, for evaluation by the ASSE Seal Control Board. The Seal Control Board will then review and rule on the question of compliance with the intent of the standard item involved.

Documentation of material compliance must be furnished by the manufacturer. He shall furnish to the testing agency, a bill of material which clearly identifies the material of each part included in the product construction. This identification must include any standards which relate thereto.

Product Name _____

Model Number _____ Size(s) _____

Date Submitted for Review _____ Date Review Complete _____

Were the test units production models ☐ Yes ☐ No

Or prototypes? ☐ Yes ☐ No

Number of devices submitted to the laboratory for evaluation? _____

Number of devices used during the laboratory evaluation? _____

Section I

1.0 Scope, Purpose, General - Construction, Instructions

1.1 Scope and Purpose

1.1.1 Scope. Does the product meet the requirements of the following?

1.1.1.1 ☐ Yes ☐ No ☐ Questionable

If questionable, explain:_____

1.1.1.2 ☐ Yes ☐ No ☐ Questionable

If questionable, explain:_____

1.2 General - Construction

1.2.1 Was all listed material received? ☐ Yes ☐ No ☐ Questionable

If questionable, explain:_____

Was it fully adequate in essential details? ☐ Yes ☐ No ☐ Questionable

If questionable, explain:_____

Note: If any items were, in the engineers judgment, inadequate explain why.

_____

1.2.2 Does the design and construction, in your judgment, comply with the intent of this provision?

☐ Yes
☐ No
☐ Questionable

If questionable, explain:_____

1.2.3 Water Supply Connections

1.2.3.1 What type and size of water connections are provided?

_____

1.2.3.2 If tubing connectors were provided were they in compliance with an appropriate standard?

☐ Yes
☐ No
☐ Questionable

If questionable, explain:_____

Indicate type of tubing connector. _____

1.2.3.3 If pipe threaded connections were provided to what standard did it conform?

_____

Indicate whether taper or dryseal. _____

1.2.4 Was the construction such that the storage tank was vented continuously to the atmosphere?

_____

Note: Vented means having continuously open passages between the interior of the tank and the atmosphere.

1.2.5 Was the dispensing nozzle form in compliance with the intent of this requirement?

☐ Yes
☐ No
☐ Questionable

If questionable, explain:_____

1.2.6 Was the nozzle and control valve unit in compliance with this requirement?

☐ Yes
☐ No
☐ Questionable

If questionable, explain:_____

1.3 Material - General

1.3.1 Was all of the specified material, in the judgment of the testing engineer, considered adequate?

☐ Yes
☐ No
☐ Questionable

If questionable, explain:_____

1.3.2 Springs.
Of what material were the springs constructed? _____

Was it considered adequate? _____

1.4 Instructions

1.4.1 Were the instructions provided in full compliance with the provisions of this subsection?

☐ Yes
☐ No
☐ Questionable

If questionable, explain:_____

1.4.2. Was the statement in respect to compliance with local codes included?

☐ Yes
☐ No
☐ Questionable

If questionable, explain:_____

1.5 Marking

Identify the markings found on the test unit: _____

Identify how these markings were applied: _____

Were all markings legibly displayed?

☐ Yes
☐ No
☐ Questionable

If questionable, explain:_____

Were they of reasonably permanent character?

☐ Yes
☐ No
☐ Questionable

If questionable, explain:

Note: (a) If the device submitted for test was not by the actual manufacturer, how was the actual manufacturer identified? _____

1.6 Performance and testing.
See Section II.

1.7 Electrical

1.7.1 Was the unit tested under an appropriate Underwriter's Laboratories Safety Standard?
☐ Yes
☐ No
☐ Questionable

If questionable, explain:_____

Identify the Standard _____

1.7.2 In the U.L. test, was the unit checked for the prevention of a hazardous condition should the heater be energized when tank was dry?
☐ Yes
☐ No
☐ Questionable

If questionable, explain:_____

1.8 Useful volume of hot water.

What was the hot water recovery rate? _____GPH (_____L/h)

Section II

2.0 Performance and Method of Test.

2.1 Dispensers required for test.

2.1.1 Was only one (1) unit tested? ☐ Yes ☐ No
Was it the original unit supplied? ☐ Yes ☐ No

Note: If there was failure of a unit and a second one was supplied and tested, state the cause of the failure and the corrections made on the replacement unit.

2.2 Maximum allowable water temperature.
What was the maximum water temperature produced by the unit adjusted as received for test? _____°F (_____°C)

2.3 Leakage and Drippage
(a) What was the cold supply water temperature? _____°F (_____°C)
(b) During the test what was the Voltage?_____Amps? _____

(c) Was there any drippage observed during the heating of the tank from a cold start?

☐ Yes
☐ No
☐ Questionable

If questionable, explain:_____

(d) Did the drippage stop when the thermostat opened?

☐ Yes
☐ No
☐ Questionable

If questionable, explain:_____

(e) Was any drippage from the nozzle observed during the two heating cycles called for after the original heating from a cold start?

☐ Yes
☐ No
☐ Questionable

If questionable, explain:_____

(f) Was any drippage from the nozzle observed during any of the ten (10) dispensing cycles of 6 oz. each?

☐ Yes
☐ No
☐ Questionable

If questionable, explain:_____

TESTING AGENCY _____

ADDRESS _____

PHONE: _____ FAX: _____

TEST ENGINEER(S) _____

We certify that the evaluations are based on our best judgments and that the test data recorded is an accurate record of the performance of the device on test.

Signature of the official of the agency:

_____

Title of the official: _____ Date: _____

Signature and seal of the Registered Professional Engineer supervising the laboratory evaluation:

_____

Signature

Seal