ASSE International
Product (Seal) Listing Program

ASSE 1004-2017
Performance Requirements for Backflow Prevention Requirements for Commercial Dishwashing Machines

Manufacturer: _____

Contact Person: _____ **E-mail:** _____

Address: _____

Laboratory: _____ **Laboratory File Number:** _____

Model # Tested: _____

Model Size: _____

Additional models report applies to: _____

Additional Model Information (i.e. orientation, series, end connections, shut-off valves)

_____

Date models received by laboratory: _____ **Date testing began:** _____

Date testing was completed _____

If models were damaged during shipment, describe damages:

_____

Prototype or production sample? _____

Were all tests performed at the selected laboratory? ❍ **Yes** ❍ **No**

If offsite, identify location: _____

General information and instructions for the testing engineer:
The results within this report apply only to the models listed above.

There may be 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 then involved.

Documentation of material compliance must be furnished by the manufacturer. The manufacturer 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.

Section I
General

1.1 Application

Does this machine comply with the application portion of this standard?

☐Yes ☐ No ☐Questionable

If questionable, explain: _____

1.2 Scope

1.2.1 Which type of backflow prevention device was utilized with this machine?

☐ A: An air gap complying with ASME A112.1.2
☐ B: An atmospheric type vacuum breaker complying with ASSE 1001
☐ C: A hose connection vacuum breaker complying with ASSE 1011
☐ D: A hose connection vacuum breaker complying with ASSE 1020
☐ E: A hose connection backflow preventer complying with ASSE 1052; or
☐ F: A spill-resistant vacuum breaker complying with ASSE 1056
☐ D: A hose connection vacuum breaker complying with ASSE 1052

1.2.2 Air Gap Observation

What was the vertical distance of the air gap? _____inches (_____mm)
What was the diameter of the supply orifice? _____ inches (_____mm)

1.3 Location of Backflow Prevention Devices

Describe the location of the backflow prevention device: _____

1.4 Water Supply Piping

Describe how the water supply piping was protected from coming into direct contact with the liquid in the tank: _____

2.0 Specimens

2.1 Samples Submitted for Test

State the number of devices provided for the laboratory evaluation: _____

2.2 Samples Tested

How many devices were utilized during the laboratory evaluation? _____
If more than one (1) device was used, explain: _____

2.3 Drawings

Were assembly drawings, installation instructions and other technical data which are needed to determine compliance with this standard submitted to the laboratory? ☐Yes ☐ No

Were these drawings and other data reviewed by the laboratory? ☐Yes ☐ No

3.0 Performance Requirements and Compliance Testing

3.1 Back-Siphonage Test

Dishwashing machine was filled with water _____°F (_____°C)

Size of fouling wire inserted into backflow prevention device? _____ inches (_____mm)
For instantly applied vacuum, distance from bottom of backflow prevention device to maximum rise of suds, splash, spray or liquid in sight glass: _____ inches (_____mm)

For intermittent vacuums, distance from bottom of backflow prevention device to maximum rise of suds, splash, spray or liquid in sight glass: _____ inches (_____ mm)

For slowly applied and decreasing vacuums, distance from bottom of backflow prevention device to maximum rise of suds, splash, spray or liquid in sight glass: _____ inches (_____mm)

During these back-siphonage tests, was there any rise in the sight glass above 3.0 inches (76.2 mm), above the bottom of the backflow prevention device? ☐Yes ☐ No

4.0 Detailed Requirements

4.1 Materials

Were there any solders or fluxes in contact with the potable water supply in excess of 0.2%?
☐Yes
☐ No

Wetted surfaces of the device shall not contain a weighted average lead content in excess of 0.25% when evaluated in accordance with the test method specified in NSF/ANSI 372.
☐complaint ☐ not complaint

4.2 Markings

List the markings of the dishwashing machine:
A. _____
B. _____
C. _____
D. _____

How were these markings applied? _____

4.3 Installation Instructions

Were installation instructions packaged with the dishwashing machine? ☐Yes
☐ No

LISTED LABORATORY: _____

ADDRESS: _____

PHONE: _____ FAX: _____

TEST ENGINEER(S): _____

If applicable:

OUTSOURCED LABORATORY: _____

ADDRESS: _____

PHONE: _____ FAX: _____

TEST ENGINEER(S): _____

Scope of outsourced testing: _____

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 listed laboratory: _____
Signature

Title of the official: _____ Date: _____