

**American Society of Sanitary Engineering
Seal (Certification) Program**

**Laboratory Evaluation Report for:
DRAIN AIR GAPS FOR RESIDENTIAL DISHWASHER APPLICATIONS**

Tested under ASSE Standard #1021 • February, 2001

Laboratory File Number _____

Manufacturer _____

Address _____

Tel: (_____) _____

Fax: (_____) _____

Model No. _____

Serial No. _____

Size _____

Other Identification Markings _____

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 Board. The Seal 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.

- 1.2.5 Temperature Range
What is the operating temperature range?
_____ °C to _____ °C (_____ °F to _____ °F).

Section II

2.0 Test Specimens

2.1 Samples Submitted For Test

How many devices of each size and model were submitted by the manufacturer?

2.2 Samples Tested

How many devices were utilized during the laboratory evaluation? _____
If more than one (1) device was used during the evaluation, state why additional devices were necessary.

2.3 Drawings

Were assembly drawings, installation instructions and all other data submitted by the manufacturer to enable you to determine compliance with the standard? Yes
 No

Were these items reviewed by the lab personnel performing and supervising the tests? Yes
 No

2.4 Rejection

Failure of one (1) device shall be cause for rejection of that size and model.

Section III

3.0 Performance Requirements and Compliance Testing

3.1 Water Flow Passage Test

In compliance? Yes
 No

3.2 Discharge Capacity Test

Record the average flow rate of the five runs _____ L/m (_____ GPM).

Record the maximum flow rate _____ L/m (_____ GPM).

Was there any spillage from the air gap device? Yes
 No

In compliance? Yes
 No

3.3 Critical Level Test

Does the critical level determined by this test agree with the required flood level marking on the air gap? Yes
 No

In compliance? Yes
 No

3.4 Deterioration At Extreme Temperature Ranges Test

What was the temperature of the hot water? _____ °C (_____ °F).

What was the temperature of the cold water? _____ °C (_____ °F).

Were there any distortion, cracking, crazing or any other indications of damage to the device? Yes
 No

In compliance? Yes
 No

3.5 Resistance To Detergents

In compliance? Yes
 No

Did the lab repeat testing to 3.1, 3.2 and 3.3 after completing this section? Yes
 No

Were sections 3.1, 3.2 and 3.3 in compliance? Yes
 No

Section IV

4.0 Detailed Requirements

4.1 Materials

Do the materials comply with the applicable sections of the ASSE Reference Document, RD-001 "Material Toxicity Requirements For Plumbing Products and Devices"? Yes
 No

4.2 Markings

List the markings shown on the device:

a) Manufacturer's name or trade mark: _____

b) Type or Model: _____

c) Critical level mark: _____

How were the markings made?

- Cast
- Stamped
- Etched
- Engraved
- Or on a corrosion resistant plate securely attached to the device with a corrosion resistant means

Were the markings visible in the normally installed position? Yes
 No

4.3 Installation Instructions

Were complete instructions for installation packaged with the device? Yes
 No

Were drawings or schematics included in the package with the device? Yes
 No

4.4 Maintenance Instructions

Were complete instructions furnished for field maintenance and field repairs? Yes
 No

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