

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

**Laboratory Evaluation Report for:
Backflow Prevention Devices for Hand-Held Showers**

**Tested under ASSE Standard 1014 • Revised: January, 2005
Laboratory File Number _____**

Manufacturer _____
Model No. _____
Address _____
Serial No. _____
Other Identification Markings _____
Size _____

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?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
or prototypes?	<input type="checkbox"/> Yes	<input type="checkbox"/> No

Section I

1.0 General

1.1 Application

Does this device, as stated by the manufacturer, comply with this section?

- Yes
- No
- Questionable

If questionable, explain: _____

1.2 Scope

1.2.1 Description

Does the device conform to the product classified as a backflow prevention device for hand-held showers?

- Yes
- No
- Questionable

If questionable, explain: _____

1.2.3 What are the working pressures as stated by the manufacturer?

Minimum _____ psi (_____ kPa)
 Maximum _____ psi (_____ kPa)

1.2.4.1 What is the temperature range as stated by the manufacturer?

_____ °F to _____ °F (_____ °C to _____ °C)

Section II

2.0 Test Specimens

2.1 How many devices of each type or model and size were submitted for testing?

2.2 How many devices of each type or model and size were utilized during the laboratory evaluation? _____

2.3 Were assembly and installation drawings and other technical data which are needed to enable a testing agency to determine compliance with this standard submitted with the device?

- Yes
- No

Were the drawings reviewed by the laboratory?

- Yes
- No

Section III

3.0 Performance Requirements and Compliance Testing

3.1 Deterioration at Extremes of Temperature and Pressure Test

3.1.2 What was the test pressure? _____psi (_____kPa)

What water temperatures were used during the different segments of this test?

During 30 minute flow: _____°F (_____°C)

During 1 minute flow: _____°F (_____°C)

With outlet closed: _____°F (_____°C)

In compliance?

Yes
 No

3.2 Life Cycle Test

3.2.2 What flow rate was used for this test? _____GPM (_____L/M)

What pressure was used during the cycle tests? _____psi (_____kPa)

Number of cycles? _____

Cycle rate? _____cycles/hour

At the completion of the cycle testing, was ambient water at 1.9 GPM \pm 0.1 GPM (7.2 L/M \pm 0.4 L/M) allowed to flow through the device at 125 psi \pm 5.0 psi (861.9 kPa \pm 34.5 kPa) for one (1) minute?

Yes
 No

With the shut-off valve on the outlet closed, was a pressure of 125.0 psi \pm 5.0 psi (861.9 kPa \pm 34.5 kPa) maintained on the device for five (5) minutes?

Yes
 No

In compliance?

Yes
 No

3.3 Backpressure Test

3.3.2 Was there any indication of leakage from the inlet of the device when the discharge end of the hose was raised from 6 inches (152.4 mm) to 60 inches (1524.0 mm)?

Yes
 No

In compliance?

Yes
 No

3.4 Backsiphonage Test

3.4.2 Was there any rise of water in the sight glass when the various increments of vacuum were applied?

Yes
 No

In compliance?

Yes
 No

Section IV

4.0 Detailed Requirements

4.1 Materials

Was the lead content in solders and fluxes that come in contact with the potable water supply 0.2% or less? Yes

No

Was the lead content of metal alloys that come in contact with the potable water supply 8% or less? Yes

No

4.2 Installation Instructions

Were installation instructions, maintenance and repair instructions and field testing instructions packaged with the device? Yes

No

4.3 Markings

4.3.1 What markings appear on the device?

4.3.2 How are these markings applied?

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