

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

**Laboratory Evaluation Report for:
Hose Connection Vacuum Breakers**

**Tested under ASSE Standard 1011 • Revised: February, 2004
Laboratory File Number _____**

Manufacturer _____

Model No. _____

Address _____

Serial No. _____

Other Identification Markings _____

Size _____

Connections- Inlet with non-removable feature? **Yes** **No**

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.

Were these drawings reviewed in the laboratory? Yes
 No

Section III

3.0 Performance Requirements and Compliance Testing

3.1 Hydrostatic Pressure Test

What was the supply pressure used for this test? _____ psi (_____ kPa)

The test period was for _____ minutes.

Were there any external leaks or damage to the device? Yes
 No
 Questionable

If questionable, explain: _____

3.2 Water Flow Capacity and Pressure Loss Test

The flow rate was: _____ GPM (_____ L/s) at a pressure loss of _____ psi (_____ kPa)

In compliance? Yes
 No
 Questionable

If questionable, explain: _____

3.3 Deterioration at Maximum Rated Temperature and Pressure

What was the water temperature used for this test? _____ °F (_____ °C)

What was the supply pressure used for this test? _____ psi (_____ kPa)

The test period was for _____ days at _____ hours per day.

In compliance? Yes
 No
 Questionable

If questionable, explain: _____

3.4 Life Cycle Test

Number of cycles completed: _____

Total time to complete this cycle test _____ minutes.

3.5 Resistance to Bending Test

In compliance? Yes
 No
 Questionable

If questionable, explain: _____

3.6 Low Head Back Pressure Test

With a 6 inch (152.4 mm) water column back pressure, is this section in compliance?

Yes
 No
 Questionable

If questionable, explain: _____

With a 10 feet (3.0 m) water column back pressure, is this section in compliance?

- Yes
- No
- Questionable

If questionable, explain: _____

3.7 Atmospheric Vent Opening Test

In compliance?

- Yes
- No
- Questionable

If questionable, explain: _____

3.8 Leakage from Vent Ports Test

Leakage at a pressure of less than 3 psi (20.7 kPa) - Amount of leakage: _____ oz/min
(_____ ml/min)

In compliance?

- Yes
- No
- Questionable

If questionable, explain: _____

Leakage at a pressure of 3 psi (20.7 kPa) or more

In compliance?

- Yes
- No
- Questionable

If questionable, explain: _____

3.9 Back Siphonage Test

Gradually applied vacuum - In compliance?

- Yes
- No
- Questionable

If questionable, explain: _____

Rapidly applied alternating vacuum - In compliance?

- Yes
- No
- Questionable

If questionable, explain: _____

Check fouled per Figure _____ Other _____

Explain: _____

The maximum rise of the meniscus in the sight glass was _____ inches (_____ mm).

Section IV

4.0 Detailed Requirements

4.1 Allowable Materials. In compliance?

- Yes
- No
- Questionable

If questionable, explain: _____

Attach to this report, documentation showing compliance with the material requirements of this section.

4.1.1 Corrosion of Interior Parts. In compliance? Yes
 No
 Questionable
 If questionable, explain: _____

4.1.2 Springs. In compliance? Yes
 No
 Questionable
 If questionable, explain: _____

4.1.3 Seating. In compliance? Yes
 No
 Questionable
 If questionable, explain: _____

4.1.4 Hose Threads. In compliance? Yes
 No
 Questionable
 If questionable, explain: _____

4.1.4.1 Inlet Connections. In compliance? Yes
 No
 Questionable
 If questionable, explain: _____

4.2.1 Identify the markings found on the test unit: _____

4.2.2 Describe how these markings were made: _____

4.3.1 Were instructions for installation and adjustment packaged with the device? Yes
 No
 Questionable
 If questionable, explain: _____

4.3.2 Were maintenance instructions furnished? 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