American Society of Sanitary Engineering
Seal (Certification) Program

Laboratory Evaluation Report for:
Air Valve and Vent Inflow Preventer

Tested under ASSE Standard 1063 • Issued: January, 2008

Laboratory File Number _____

Manufacturer _____

Model No. _____

Address _____

Serial No. _____

Other Identification Markings _____

Size _____

Connections _____

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

Section I

1.0 General

1.1 Application

Does this device, as stated by the manufacturer, comply with the application of this standard?

☐ Yes
☐ No
☐ Questionable

If questionable, explain:_____

1.2 Scope

1.2.1 Description

Does this assembly consist of a primary and a secondary chamber?

☐ Yes
☐ No

Does each chamber contain an independent float-operated closure member?

☐ Yes
☐ No
☐ Questionable

If questionable, explain:_____

1.2.2 Size

Size of the device(s) tested: _____ inches (_____mm)

Type of connection:_____

1.2.3 Pressure Range

What is the pressure range as stated by the manufacturer? _____psi (_____kPa)

1.2.4 Temperature Range

What is the temperature range as stated by the manufacturer? _____°F (_____°C)

1.3 Limitations on Design

1.3.1 Flow Design
Was the least cross-sectional area of the air flow way greater than the inside cross-sectional area of the NPS?
☐ Yes
☐ No

1.3.3 Outlet Basket
Does the assembly contain a screened basket per Section 1.3.3?
☐ Yes
☐ No

How was this determined? _____

1.3.5 Connections
Do the female pipe threaded connections conform to ASME B1.20.1?
☐ Yes
☐ No

Do they withstand the torque per Table 2?
☐ Yes
☐ No

How was this determined? _____

1.3.7 Test Cock Locations
Were test cocks located per Section 1.3.7?
☐ Yes
☐ No

1.3.8 Test Cock Size
Are the test cocks sized per Table 3?
☐ Yes
☐ No

Section II

2.0 Test Specimens

2.1 Samples Submitted

How many assemblies were submitted for testing? _____

2.2 Samples Tested

How many assemblies were utilized during the laboratory evaluation? _____

2.3 Drawings

Were assembly drawings, installation drawings and other technical data which are needed to enable a testing agency to determine compliance with this standard submitted with the assembly and were these reviewed by the testing agency?
☐ Yes
☐ No

Section III

3.0 Performance Requirements and Compliance Testing

3.1 Hydrostatic Pressure Testing of Complete Device

What water pressure was used for this test? _____ psi (_____kPa)

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

The pressure test period was for _____ minutes.

Were there any leaks through the body or flanges or any indication of damage to the assembly?

☐ Yes
☐ No

In compliance?

☐ Yes
☐ No

3.2 Water Tightness Test of Float Operated Checks

Was the assembly installed in a test apparatus as shown in Figure 2?

☐ Yes
☐ No

Was the procedure followed for both the #1 and #2 float checks?

☐ Yes
☐ No

Observation time for each check: _____ minutes

Was there a drop in the water column height greater than 1/8" (3.2 mm) for either seat test?

☐ Yes
☐ No

In compliance?

☐ Yes
☐ No

3.3 Allowable Pressure Loss at Rated Air Flow

Did the test setup contain an airflow measuring device and a pressure transducer per Figure 3 with an accuracy of ±5%?

☐ Yes
☐ No

When the fan or pressure source was activated and the flow rate per table 1 was achieved, what was the pressure achieved? _____ psi (_____ kPa)

Once the assembly was removed and the test repeated through the test piping only, record the pressure once the specified flow rate is achieved. _____ psi (_____ kPa)

Was the net pressure loss greater than those specified in table 1?

☐ Yes
☐ No

In compliance?

☐ Yes
☐ No

3.4 Vacuum Flow Test

Was the assembly installed per figure 4?

☐ Yes
☐ No

What was the net pressure loss as a result of subtracting the test piping pressure from the assembly pressure? _____ psi (_____ kPa)

Was the pressure loss greater than those specified in Table 1?

☐ Yes
☐ No

In compliance?

☐ Yes
☐ No

Was the assembly on test in full compliance with Sections 3.1, 3.2, 3.3 and 3.4 of this standard?

☐ Yes
☐ No
☐ Questionable

If questionable, explain:_____

Section IV

4.0 Detailed Requirements

4.1 Materials

Does the assembly comply with the material requirements of this standard?

☐ Yes
☐ No

4.2 Documentation

Were instructions for installation and support within the manhole or vault, maintenance and field testing packaged with the assembly?

☐ Yes
☐ No

4.3 Markings

Do the following appear on the assembly?

A. Name of manufacturer or trademark ☐ Yes ☐ No

B. Model number of the assembly ☐ Yes ☐ No

C. Manufacturer's maximum rated working pressure ☐ Yes ☐ No

D. Nominal Size ☐ Yes ☐ No

E. "Up" arrow indicating correct orientation for installation ☐ Yes ☐ No

F. ASSE 1063 ☐ Yes ☐ No

Will these markings be visible after the assembly has been installed? ☐ Yes ☐ No

How were these markings applied to the assembly? _____

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