

American Society of Sanitary Engineering
PRODUCT (SEAL) LISTING PROGRAM



ASSE STANDARD #1050 - REVISED: 2009
Stack Air Admittance Valves

MANUFACTURER: _____

CONTACT PERSON: _____ E-MAIL: _____

ADDRESS: _____

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: _____

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 Board. The Seal 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 1

1.0 General

1.1 Application

Is the purpose of the device, as described by the manufacturer, as stated in this section? Yes No

1.2 Scope

1.2.1 Description

Does the device comply with the description as stated in the standard? Yes No

1.2.2 Temperature Range

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

1.2.3 Rating

Do these devices pass the required volume of air at -1.0 inch (-25.4 mm) water column according to Table 1? (See Section 3.2) Yes No

What is the flow rate of this device? _____ CFM (_____ L/s)

1.3 Construction

1.3.1 Air Inlet Shields

Do the air inlet shield comply with the requirement of this section? Yes No

1.3.2 Leakage - See Section 3.1

1.3.3 Interference

In the installed position, was the device so designed that there is no possibility of interference with any moving parts or that the air passageways were restricted? Yes No

1.3.4 Connections

Describe the type of connections for the device: _____

State the standard(s) that these connections conform with: _____

SECTION II

2.0 Test Specimens

State the quantity of devices provided for evaluation: _____

How many devices were utilized during the laboratory evaluation? _____

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 device? Yes No

Were these reviewed in the laboratory? Yes No

SECTION III

3.0 Performance Requirements and Compliance Testing

3.1 Pressure Test of Complete Device

What was the length of the pipe on which the device was installed? _____ ft (_____ m)

What was the initial pressure applied to the device? _____ inches of WC (_____ mm of WC)

What was the intermediate pressure applied to the device? _____ inches of WC (_____ mm of WC)

What was the final pressure applied to the device? _____ inches of WC (_____ mm of WC)



How long was each pressure stage held? _____ minutes
 What was the pressure loss during the first two (2) intervals of pressure?
 _____ inches of WC (_____ mm of WC)
 What was the pressure loss during the final pressure stage? _____ inches of WC (_____ mm of WC)

When the device is installed at 15° orientation from vertical, what was the pressure loss of each of the three (3) stages of pressure?

1st Stage: _____ inches of WC (_____ mm of WC)
 2nd Stage: _____ inches of WC (_____ mm of WC)
 3rd Stage: _____ inches of WC (_____ mm of WC)

3.2 Rating and Opening Pressure Test

During the pre-conditioning period, what pressure was applied to the device on test?
 _____ inches of WC (_____ mm of WC)

How long was this pressure maintained? _____ hours
 At what pressure (vacuum) did the device on test open? _____ inches of WC (_____ mm of WC)
 What was the air flow rate when the pressure (vacuum) reached -1.0 inch ± 0.05 inch (-25.4 mm ± 1.267 mm) WC?
 _____ CFM (_____ L/s)

What was the temperature of the test set-up during the testing? _____ °F (_____ °C)

What is the determined drainage pipe size for this device? _____ inches (_____ mm)

3.3 Endurance Test

For the high temperature procedure, the device was conditioned at _____ °F (_____ °C) for a period of _____ hours.

The device was then subjected to a vacuum of _____ inches (_____ mm) water column for _____ cycles. Each cycle consisted of _____ seconds open and _____ seconds closed.

Retest to Section 3.1 and record the results below:

Retest Section 3.1

What was the length of the pipe on which the device was installed? _____ ft (_____ m)
 What was the initial pressure applied to the device? _____ inches of WC (_____ mm of WC)
 What was the intermediate pressure applied to the device? _____ inches of WC (_____ mm of WC)
 What was the final pressure applied to the device? _____ inches of WC (_____ mm of WC)
 How long was each pressure stage held? _____ minutes
 What was the pressure loss during the first two (2) intervals of pressure?
 _____ inches of WC (_____ mm of WC)
 What was the pressure loss during the final pressure stage? _____ inches of WC (_____ mm of WC)

When the device is installed at 15° orientation from vertical, what was the pressure loss of each of the three (3) stages of pressure?

1st Stage: _____ inches of WC (_____ mm of WC)
 2nd Stage: _____ inches of WC (_____ mm of WC)
 3rd Stage: _____ inches of WC (_____ mm of WC)

Section 3.3 continued

For the low temperature procedure, the device was conditioned at _____ °F (_____ °C) for a period of _____ hours.

The device was then subjected to a vacuum of _____ inches (_____ mm) water column for _____ cycles. Each cycle consisted of _____ seconds open and _____ seconds closed.



Retest to Section 3.1 and record the results below:

Retest Section 3.1

What was the length of the pipe on which the device was installed? _____ ft (_____ m)
 What was the initial pressure applied to the device? _____ inches of WC (_____ mm of WC)
 What was the intermediate pressure applied to the device? _____ inches of WC (_____ mm of WC)
 What was the final pressure applied to the device? _____ inches of WC (_____ mm of WC)
 How long was each pressure stage held? _____ minutes
 What was the pressure loss during the first two (2) intervals of pressure?
 _____ inches of WC (_____ mm of WC)
 What was the pressure loss during the final pressure stage? _____ inches of WC (_____ mm of WC)

When the device is installed at 15° orientation from vertical, what was the pressure loss of each of the three (3) stages of pressure?

1st Stage: _____ inches of WC (_____ mm of WC)
 2nd Stage: _____ inches of WC (_____ mm of WC)
 3rd Stage: _____ inches of WC (_____ mm of WC)

Section 3.3 continued

Was the device in complete compliance with the performance requirements of this standard?
 Yes No

3.4 Frost Closure Test

What was the temperature of the freezer box? _____ °F (_____ °C)
 What was the duration of the test? _____ hours

When the fan was activated to develop a vacuum in the test set-up, did the AAV open and admit air into the piping system?
 Yes No

What was the loss in the trap seal? _____ inches (_____ mm)

Was the device in complete compliance with the performance requirements of this standard?
 Yes No

SECTION IV

4.0 Detailed Results

4.1 Materials

List the metallic parts used in the construction of this device: _____
 Were the metals close to each other on the electromotive scale so as to reduce the corrosion potential?
 Yes No

Were internal metallic parts of a corrosion resistance at least equal to Stainless Steel Series 300?
 Yes No

List the ASTM standards or other industry standards to which the material make-up of this device were manufactured: _____

4.2 Instructions for Marking and Installation

List the markings shown on the device: _____

How were these markings applied? _____

Did the packaging contain:
 a) name of manufacturer or trademark? Yes No
 b) model number or description of the device? Yes No
 c) drainage pipe size and capacity? Yes No



Were installation instructions provided with the device? Yes No

Did the installation instructions include:

a) installation limitations? Yes No

b) proper venting methods? Yes No

c) a statement regarding the device is not a substitute for all conventional venting situations? Yes No

d) sizing of the device? Yes No

Did these instructions include requirements for air movement, installation orientations, a stack vent and the prohibition of using this device to relieve positive pressure? Yes No



TESTING AGENCY: _____

ADDRESS: _____

PHONE: _____ FAX: _____

TEST ENGINEERS: _____

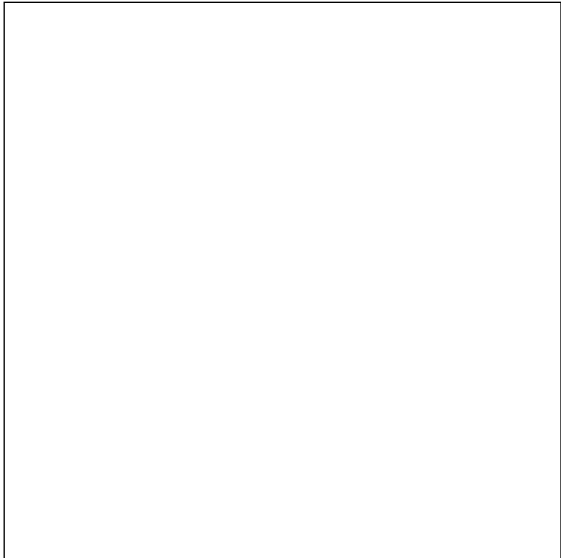
We Certify that the evaluations are based on our best judgements and that the test data recorded is an accurate record of the performance of the device on test.

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: _____



PE SEAL

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COMMENTS: