American Society of Sanitary Engineering

PRODUCT (SEAL) LISTING PROGRAM
Factory Audit Inspection Test Report Form

ASSE STANDARD #1012 - REVISED: 2009
Backflow Preventers with an Intermediate Atmospheric Vent

LABORATORY FILE NUMBER: _____

LISTEE: _____

SEAL #: _____

MODEL # TESTED: _____

MODEL SIZE: _____

ADDITIONAL MODEL INFORMATION (i.e. orientation, series, end connections, shut-off valves): _____

_____

NUMBER OF SAMPLES SUBMITTED: _____ **NUMBER OF SAMPLES TESTED:** _____

DATE TESTING BEGAN: _____

DATE TESTING COMPLETED: _____

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.

FIRST SAMPLE TEST RESULTS
SECTION III

3.0 Performance Requirements and Compliance Testing

3.1 Hydrostatic Test of Complete Assembly

What was the temperature of the water used for this test? _____ °F (_____ °C)
What was the supply pressure used for this test? _____ psi (_____ kPa)
The test period was for_____ minutes
Were there any leaks or indication of damage? ○ Yes ○ No

3.8 Atmospheric Vent Open Pressure Test

What was the upstream pressure when the atmospheric vent started to discharge water at the following downstream pressures?

25.0 psi (172.4 kPa)	_____ psi	(_____ kPa)
75.0 psi (517.1 kPa)	_____ psi	(_____ kPa)
150.0 psi (1034.2 kPa)	_____ psi	(_____ kPa)

Was the supply pressure ever less than 20% of the downstream pressure when the atmosphere vent began to open? ○ Yes ○ No

3.10 Back Siphonage Back Pressure Test

The upstream check was fouled with a _____ inch (_____mm) fouling wire per Figure_____.

Back pressures of _____ psi (_____kPa) and _____psi (_____kPa) were applied to the outlet of the device while a sequence of the following vacuums were applied to the inlet of the device:

1. _____
2. _____
3. _____

The downstream check was fouled with a ____ inch (_____mm) fouling wire per Figure_____.

Back pressures of _____ psi (_____kPa) and _____psi (_____kPa) were applied to the outlet of the device while a sequence of the following vacuums were applied to the inlet of the device:

1. _____
2. _____
3. _____

Was there a backflow of water into the inlet piping during any of the test sequences of Section 3.10? ○ Yes ○ No

3.11 Flow and Pressure Loss Test

What was the inlet pressure used for this test? _____ psi (_____kPa)
What was the minimum flow rate per Table 2 for the size of the device on test?
_____ GPM (_____ L/m)
What was the pressure loss across the device when the minimum flow rate was obtained?
_____ psi (_____kPa)

Was there an adjustment made for the pressure loss in the piping between the gauges and the device on test? ○ Yes ○ No
If yes, what was the adjustment? _____ psi (_____kPa)

Did the first sample pass all the required testing? ○ Yes ○ No
If no, test the second sample and record the results below.

SECOND SAMPLE TEST RESULTS*

***A second sample shall only be tested if the first sample failed the necessary test sections.**

SECTION III

3.0 Performance Requirements and Compliance Testing

3.1 Hydrostatic Test of Complete Assembly

What was the temperature of the water used for this test? _____ °F (_____ °C)
What was the supply pressure used for this test? _____ psi (_____ kPa)
The test period was for _____ minutes
Were there any leaks or indication of damage? ○ Yes ○ No

3.8 Atmospheric Vent Open Pressure Test

What was the upstream pressure when the atmospheric vent started to discharge water at the following downstream pressures?

25.0 psi (172.4 kPa)	_____ psi	(_____ kPa)
75.0 psi (517.1 kPa)	_____ psi	(_____ kPa)
150.0 psi (1034.2 kPa)	_____ psi	(_____ kPa)

Was the supply pressure ever less than 20% of the downstream pressure when the atmosphere vent began to open? ○ Yes ○ No

3.10 Back Siphonage Back Pressure Test

The upstream check was fouled with a _____ inch (_____mm) fouling wire per Figure_____.

Back pressures of _____ psi (_____kPa) and _____psi (_____kPa) were applied to the outlet of the device while a sequence of the following vacuums were applied to the inlet of the device:

1. _____
2. _____
3. _____

The downstream check was fouled with a ____ inch (_____mm) fouling wire per Figure_____.

Back pressures of _____ psi (_____kPa) and _____psi (_____kPa) were applied to the outlet of the device while a sequence of the following vacuums were applied to the inlet of the device:

1. _____
2. _____
3. _____

Was there a backflow of water into the inlet piping during any of the test sequences of Section 3.10? ○ Yes ○ No

3.11 Flow and Pressure Loss Test

What was the inlet pressure used for this test? _____ psi (_____kPa)
What was the minimum flow rate per Table 2 for the size of the device on test?
_____ GPM (_____ L/m)

What was the pressure loss across the device when the minimum flow rate was obtained?
_____ psi (_____kPa)

Was there an adjustment made for the pressure loss in the piping between the gauges and the device on test? ○ Yes ○ No

If yes, what was the adjustment? _____ psi (_____kPa)

Did the second sample pass all the required testing? ○ Yes ○ No
If yes, please provide and explanation of failure for the first sample below.

_____

_____

_____

_____

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

*To insert images into document (PE seal and signatures)

Adobe Acrobat Pro users: At the top of the page, go to: Tools > Advanced Editing > TouchUp Object Tool. Once you have selected TouchUp Object Tool, right click within the document and select Place Image. Choose the image you want to place (PE seal or signature) and then select Open. Once the image is in the document, move and re-size the image accordingly. Save and send to ASSE.

Adobe Reader users: Adobe Reader does not allow users to place images into the document. You must print this completed document and then sign and stamp the PE seal by hand. You may then send the completed document to ASSE via fax or mail, or you can scan the completed document and send via e-mail.

COMMENTS: