American Society of Sanitary Engineering

PRODUCT (SEAL) LISTING PROGRAM
Factory Audit Inspection Test Report

ASSE STANDARD #1048 - REVISED: 2011
Double Check Detector Fire Protection Backflow Prevention Assemblies

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

3.2 Hydrostatic Test of Complete Assembly

What was the pressure used for this test? _____ psi (_____ kPa)
The test period was for: _____ minutes
Were there any leaks or indications of damage to the assembly? ○ Yes ○ No ○ Questionable
If questionable, explain: _____

3.6 Allowable Pressure Loss at Rated Flow

Was the assembly installed per Figure 1? ○ Yes ○ No
If no, explain: _____

What was the rated water flow for the assembly? _____ GPM (_____ L/s)
What was the supply pressure used for this test? _____ psi (_____ kPa)
What pressure loss through the piping system (if any) was deducted?
_____ psi (_____ kPa)

What was the pressure loss observed at flows of:

GPM	L/s	psi	(kPa)
05.0	0.32	_____	_____
10.0	0.63	_____	_____
15.0	0.95	_____	_____
20.0	1.26	_____	_____
25.0	1.58	_____	_____
30.0	1.89	_____	_____
35.0	2.21	_____	_____
40.0	2.52	_____	_____
45.0	2.84	_____	_____
50.0	3.15	_____	_____

What was the pressure loss at:
150% of Rated Flow _____ psi (_____ kPa)
200% of Rated Flow _____ psi (_____ kPa)
What was the maximum pressure loss observed at flows from (0) GPM to rated flow (both ascending and descending)? _____ psi (_____ kPa)

Did the pressure drop generally increase from static up to a flow of 50.0 GPM (3.15 L/s) with a maximum total downward deviation of 10% from the highest previous value at any point?
○ Yes ○ No
Was there any damage or permanent deformation of the internal components of the assembly?
○ Yes ○ No
Was the assembly on test in complete compliance with the criteria of Section 3.6?
○ Yes ○ No

3.8 Drip Tightness of First Check

What was the initial height of water in the sight glass at test cock #2: _____ inches (_____ mm)
What was the initial height of water in the sight glass at test cock #3: _____ inches (_____ mm)
What was the final height difference in the water levels between the sight glasses at test cocks #2 and #3? _____ inches (_____ mm)

The test period was for: _____ minutes.

3.9 Drip Tightness of the Second Check

What was the initial height of water in the sight glass at test cock #3: _____ inches (_____ mm)
What was the initial height of water in the sight glass at test cock #4: _____ inches (_____ mm)
What was the final height difference in the water levels between the sight glasses at test cocks #3 and #4? _____ inches (_____ mm)

The test period was for: _____ minutes.

3.10 Drip Tightness of Bypass Check (For DCDA-II Assemblies)

What was the initial height difference between the two sight glasses? _____ inches (_____ mm)
What was the final height difference between the two sight glasses? _____ inches (_____ mm)

The test period was for: _____ minutes.

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

3.2 Hydrostatic Test of Complete Assembly

What was the pressure used for this test? _____ psi (_____ kPa)
The test period was for: _____ minutes
Were there any leaks or indications of damage to the assembly? ○ Yes ○ No ○ Questionable
If questionable, explain: _____

3.6 Allowable Pressure Loss at Rated Flow

Was the assembly installed per Figure 1? ○ Yes ○ No
If no, explain: _____

What was the rated water flow for the assembly? _____ GPM (_____ L/s)
What was the supply pressure used for this test? _____ psi (_____kPa)
What pressure loss through the piping system (if any) was deducted?
_____ psi (_____kPa)

What was the pressure loss observed at flows of:

GPM	L/s	psi	(kPa)
05.0	0.32	_____	_____
10.0	0.63	_____	_____
15.0	0.95	_____	_____
20.0	1.26	_____	_____
25.0	1.58	_____	_____
30.0	1.89	_____	_____
35.0	2.21	_____	_____
40.0	2.52	_____	_____
45.0	2.84	_____	_____
50.0	3.15	_____	_____

What was the pressure loss at:
150% of Rated Flow _____ psi (_____kPa)
200% of Rated Flow _____ psi (_____kPa)
What was the maximum pressure loss observed at flows from (0) GPM to rated flow (both ascending and descending)? _____ psi (_____kPa)

Did the pressure drop generally increase from static up to a flow of 50.0 GPM (3.15 L/s) with a maximum total downward deviation of 10% from the highest previous value at any point?
○ Yes ○ No
Was there any damage or permanent deformation of the internal components of the assembly?
○ Yes ○ No
Was the assembly on test in complete compliance with the criteria of Section 3.6?
○ Yes ○ No

3.8 Drip Tightness of First Check

What was the initial height of water in the sight glass at test cock #2: _____ inches (_____ mm)
What was the initial height of water in the sight glass at test cock #3: _____ inches (_____ mm)
What was the final height difference in the water levels between the sight glasses at test cocks #2 and #3? _____ inches (_____ mm)

The test period was for: _____ minutes.

3.9 Drip Tightness of the Second Check

What was the initial height of water in the sight glass at test cock #3: _____ inches (_____ mm)
What was the initial height of water in the sight glass at test cock #4: _____ inches (_____ mm)
What was the final height difference in the water levels between the sight glasses at test cocks #3 and #4? _____ inches (_____ mm)

The test period was for: _____ minutes.

3.10 Drip Tightness of Bypass Check (For DCDA-II Assemblies)

What was the initial height difference between the two sight glasses? _____ inches (_____ mm)
What was the final height difference between the two sight glasses? _____ inches (_____ mm)

The test period was for: _____ minutes.

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: