

American Society of Sanitary Engineering
PRODUCT (SEAL) LISTING PROGRAM
Factory Audit Inspection Test Report



ASSE STANDARD #1064-2006 (R2011) - REVISED: 2011
Backflow Prevention Assembly
Field Test Kits

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

Was the BFTK tested as a complete assembly? Yes No
 NOTE: BFTK's shall be tested as a complete assembly.

3.1 Conditioning Test

Was the BFTK exposed to 150.0°F + 0°/-5.0°F (65.5°C + 0°C/-2.8°C) and 33.0°F -0°F/+5.0°F (0.6°C + 2.8°C/0°C) for thirty minutes at each temperature prior to testing?
 Yes No

3.2 Accuracy Test

3.2.4 Procedure

With the inlet connection to the high side of the BFTK at various pressures and the outlet connection of the low side of the BFTK at atmospheric, record BFTK reading:

- (3) At 14.0 psi (96.5 kPa): _____ psi (_____ kPa)
- (4) At 7.0 psi (48.3 kPa): _____ psi (_____ kPa)
- (5) At 5.0 psi (34.5 kPa): _____ psi (_____ kPa)
- (6) At 2.0 psi (13.8 kPa): _____ psi (_____ kPa)
- (7) At 1.0 psi (6.9 kPa): _____ psi (_____ kPa)

At 0.0 psi (0.0 kPa), does the BFTK indicate a pressure reading? Yes No

3.2.5 Did any of the recorded readings fall outside the accuracy tolerances specified in Table I?
 Yes No

Was the BFTK in full compliance with Section 3.2.1 thru 3.2.5? Yes No

3.2.6 Additional Accuracy Test for Digital BFTK that use two pressure transducers to indicate pressure differential.

3.2.6.4 Procedure

With both the high and low sides of the BFTK at a nominal working pressure of 200.0 psi ± 5.0 psi (13790 kPa ± 34.5 kPa), record the BFTK reading:

- (5) At 14.0 psi (96.5 kPa): _____ psi (_____ kPa)
- (6) At 7.0 psi (48.3 kPa): _____ psi (_____ kPa)
- (7) At 5.0 psi (34.5 kPa): _____ psi (_____ kPa)
- (8) At 2.0 psi (13.8 kPa): _____ psi (_____ kPa)
- (9) At 1.0 psi (6.9 kPa): _____ psi (_____ kPa)
- (10) At 0.0 psi (0.0 kPa): _____ psi (_____ kPa)

3.2.6.5 Did any of the recorded readings fall outside the accuracy tolerances specified in Table I?
 Yes No

Was the BFTK in full compliance with sections 3.2.6.1 thru 3.2.6.5? Yes No

3.3 Hydrostatic Shell Test

Which option of testing was utilized? _____

What was the pressure that was applied to the inlet hose(s)?
 _____ psi (_____ kPa)



The test period was for _____ minutes

Were there any leaks or indication of damage to the device or any of the components?
 Yes No

Was the BFTK in compliance with Section 3.3? Yes No

3.4 Pressure Shock Test

3.4.2.1 High Side Pressure Shock Test

What was the pressure applied to the high side of the BFTK?
 _____ psig (_____ kPa)

What was the pressure in the accumulator? _____ psig (_____ kPa)

What were the number of cycles used? _____ cycles

During the cycling period, did the pressure rise rate remain between 3000 and 4000 psi/sec (20,685.0 and 27, 580.0 kPa/sec)? Yes No

3.4.2.2 Low Side Pressure Shock Test

What was the pressure applied to the low side of the BFTK?
 _____ psig (_____ kPa)

What was the pressure in the accumulator? _____ psig (_____ kPa)

What were the number of cycles used? _____ cycles

During the cycling period, did the pressure rise rate remain between 3000 and 4000 psi/sec (20,685.0 and 27, 580.0 kPa/sec)? Yes No

Was the BFTK in compliance with both the high side and low side pressure shock tests?
 Yes No

3.4.2.3 Repeat the Accuracy Test of Section 3.2.

Was the BFTK in compliance with Section 3.2 following the pressure shock tests of Section 3.4? Yes No

Did the pressure differential gauges maintain the accuracy shown in Section 1.2.2.1 after the pressure shock tests? Yes No



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

Was the BFTK tested as a complete assembly? Yes No
NOTE: BFTK's shall be tested as a complete assembly.

3.1 Conditioning Test

Was the BFTK exposed to 150.0°F +0°/-5.0°F (65.5°C +0°C/-2.8°C) and 33.0°F -0°F/+5.0°F (0.6°C +2.8°C/-0°C) for thirty minutes at each temperature prior to testing? Yes No

3.2 Accuracy Test

3.2.4 Procedure

With the inlet connection to the high side of the BFTK at various pressures and the outlet connection of the low side of the BFTK at atmospheric, record BFTK reading:

- (3) At 14.0 psi (96.5 kPa): _____ psi (_____ kPa)
- (4) At 7.0 psi (48.3 kPa): _____ psi (_____ kPa)
- (5) At 5.0 psi (34.5 kPa): _____ psi (_____ kPa)
- (6) At 2.0 psi (13.8 kPa): _____ psi (_____ kPa)
- (7) At 1.0 psi (6.9 kPa): _____ psi (_____ kPa)

At 0.0 psi (0.0 kPa), does the BFTK indicate a pressure reading? Yes No

3.2.5 Did any of the recorded readings fall outside the accuracy tolerances specified in Table I? Yes No

Was the BFTK in full compliance with Section 3.2.1 thru 3.2.5? Yes No

3.2.6 Additional Accuracy Test for Digital BFTK that use two pressure transducers to indicate pressure differential.

3.2.6.4 Procedure

With both the high and low sides of the BFTK at a nominal working pressure of 200.0 psi ± 5.0 psi (13790 kPa ± 34.5 kPa), record the BFTK reading:

- (5) At 14.0 psi (96.5 kPa): _____ psi (_____ kPa)
- (6) At 7.0 psi (48.3 kPa): _____ psi (_____ kPa)
- (7) At 5.0 psi (34.5 kPa): _____ psi (_____ kPa)
- (8) At 2.0 psi (13.8 kPa): _____ psi (_____ kPa)
- (9) At 1.0 psi (6.9 kPa): _____ psi (_____ kPa)
- (10) At 0.0 psi (0.0 kPa): _____ psi (_____ kPa)

3.2.6.5 Did any of the recorded readings fall outside the accuracy tolerances specified in Table I? Yes No

Was the BFTK in full compliance with sections 3.2.6.1 thru 3.2.6.5? Yes No

3.3 Hydrostatic Shell Test

Which option of testing was utilized? _____



What was the pressure that was applied to the inlet hose(s)? _____ psi (_____ kPa)

The test period was for _____ minutes

Were there any leaks or indication of damage to the device or any of the components?
 Yes No

Was the BFTK in compliance with Section 3.3? Yes No

3.4 Pressure Shock Test

3.4.2.1 High Side Pressure Shock Test

What was the pressure applied to the high side of the BFTK? _____ psig (_____ kPa)

What was the pressure in the accumulator? _____ psig (_____ kPa)

What were the number of cycles used? _____ cycles

During the cycling period, did the pressure rise rate remain between 3000 and 4000 psi/sec (20,685.0 and 27, 580.0 kPa/sec)? Yes No

3.4.2.2 Low Side Pressure Shock Test

What was the pressure applied to the low side of the BFTK? _____ psig (_____ kPa)

What was the pressure in the accumulator? _____ psig (_____ kPa)

What were the number of cycles used? _____ cycles

During the cycling period, did the pressure rise rate remain between 3000 and 4000 psi/sec (20,685.0 and 27, 580.0 kPa/sec)? Yes No

Was the BFTK in compliance with both the high side and low side pressure shock tests?
 Yes No

3.4.2.3 Repeat the Accuracy Test of Section 3.2.

Was the BFTK in compliance with Section 3.2 following the pressure shock tests of Section 3.4? Yes No

Did the pressure differential gauges maintain the accuracy shown in Section 1.2.2.1 after the pressure shock tests? Yes No



TESTING AGENCY: _____

ADDRESS: _____

PHONE: _____ FAX: _____

TEST ENGINEERS: _____

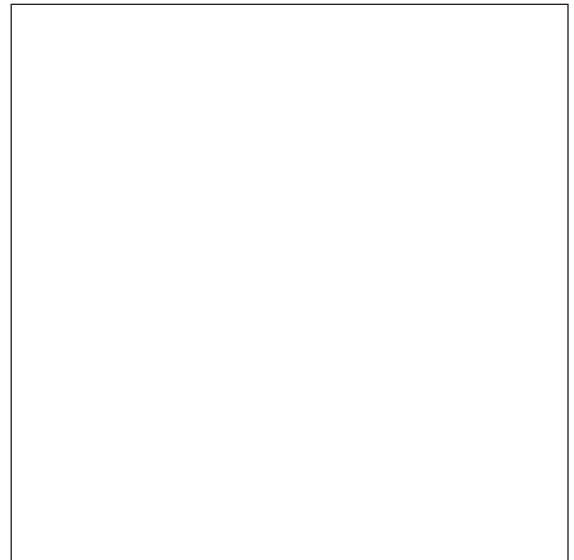
We Certify that the evaluations are based on our best judgements and that the test data recorded is an accurate record of the performance of the device on test.

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

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

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COMMENTS: