American Society of Sanitary Engineering
Seal (Certification) Program

Factory Audit Inspection Test for:

BACKFLOW PREVENTION ASSEMBLY FIELD TEST KITS

Tested under ASSE Standard 1064 • 2006

Manufacturer _____

Model No. _____

Address _____

Serial No. _____

Other Identification Markings _____

Section III

3.0 Performance Requirements And Compliance Testing
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) _____ psid (_____ kPa)

(4) At 7.0 psi (48.3 kPa): _____ psid (_____ kPa)

(5) At 5.0 psi (34.5 kPa): _____ psid (_____ kPa)

(6) At 2.0 psi (13.8 kPa): _____ psid (_____ kPa)

(7) At 1.0 psi (6.9 kPa): _____ psid (_____ 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): _____ psid (_____ kPa)
(6) At 7.0 psi (48.3 kPa): _____ psid (_____ kPa)
(7) At 5.0 psi (34.5 kPa): _____ psid (_____ kPa)
(8) At 2.0 psi (13.8 kPa): _____ psid (_____ kPa)
(9) At 1.0 psi (6.9 kPa): _____ psid (_____ kPa)
(10) At 0.0 psi (0.0 kPa): _____ psid (_____ 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 3.5? ☐ 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?
_____ psi (_____ kPa)

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

What was the pressure in the accumulator? _____ psi (_____ 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 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