ASSE International Product (Seal) Listing Program		
ASSE 1011-2023 Performance Requirements for Hose Connection Vacuum Breakers		
Manufacturer:		
Contact Person: E-mail:		
Address:		
Laboratory: Laborator	y File Number:	
Model # Tested:		
Model Size:		
Additional models report applies to:		
Additional Model Information (i.e. orientation, series, end connection	ons, shut-off valves)	
Date models received by laboratory: Date testing	j began:	
Date testing was completed		
If models were damaged during shipment, describe damages:		
Prototype or production sample?		
Were all tests performed at the selected laboratory? $\hfill O$ Yes O No		
If offsite, identify location:		
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 Control Board. The Seal Control 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 I

1.0	General				
1.1	Application				
	Does the device meet the application?				
	O Yes O No O Questionable				
	If questionable, explain:				
1.2	Scope				
	1.2.1 Description				
	Does this device conform to the product described in the standard?				
	O Yes O No O Questionable				
	If no or questionable, explain				
	1.2.2 Sizes				
	What is the size of the male hose threaded outlets? NH				
	1.2.3 Pressure				
	Working pressure of the device: psi (kPa)				
	1.2.4 Temperature				
	What is the temperature range of the device?°F to°F (°C to°C)				
	1.2.5 Atmospheric Vent				
	Does this device conform to the atmospheric vent in the standard?				
	O Yes O No O Questionable				
	If no or questionable, explain				
Sect	ion II				
2.0	Test specimens				
2.1	Samples Submitted for Test				
	How many samples were submitted by the manufacturer?				
2.2	Samples Tested				
	Which many models were selected for testing?				
2.3	Drawings				
	Were assembly drawings, installation instructions, and other necessary data submitted with the device?				
	O Yes O No O Questionable				
	······································				
Sect	ion III				
3.0	Performance Requirements and Compliance Testing				
3.1	Hvdrostatic Pressure Tests				
	3.1.2 Procedure				
	What pressure was the device pressurized to? psi (kPa)				
	How long was the pressure held for? minutes				

	3.1.3 Criteria Was there any indication of external leakage?	
	U Yes U No U Questionable	
	Is the device in compliance with this section?	
	Q Yes Q No Q Questionable	
	If no or questionable, explain	
3.2	Flow Rate and Pressure Loss	
-	3.2.2 Procedure	
	What pressure differential was reached? psi (kPa)	
	What flow rate was achieved? GPM (/s)	
	3 2 3 Criteria	
	Is the device in compliance with this section?	
	O Yes O No O Questionable	
	If no or questionable, explain	
3.3	Deterioration at Maximum Rate Temperature and Pressure	
	3 3 2 Procedure	
	What was the water temperature used for this test? °F (°C)	
What was the pressure used for this test? $pri($ kPa)		
How many total hours was water circulated through the device? hours		
	Ω Yes Ω No Ω Questionable	
	If yes or questionable, explain	
	Is the device in compliance with this section?	
	O Yes O No O Questionable	
	If no or questionable, explain	
3.4	Life Cycle Test	
	3.4.2 Procedure	
What was the water temperature used for this test?°F (°C) What was the pressure used for this test?psi (kPa)		
How often was the solenoid valve cycled? times per minute		
	3.4.3 Criteria	
	Did this affect the device's ability to comply with the remaining sections of the standard?	
	O Yes O No O Questionable	
	If yes or questionable, explain	
	Is the device in compliance with this section?	
	O Yes O No O Questionable	
	It no or questionable, explain	

- 3.5 Resistance to Bending
 - 3.5.2 Procedure

 How long was the load applied for through the hose connections at the outlet of the device? _____ minutes
 What was the torque created? _____ ft-lbf
 What pressure was the device pressurized to? _____ psi (_____ kPa)

 3.5.3 Criteria

 Was there any indication of external leakage?
 Yes
 No
 Q Questionable
 Is the device in compliance with this section?
 Yes
 No
 Q Questionable

If no or questionable, explain

3.6 Low Head Backpressure

3.6.2 Procedure

in-H ₂ O (m-H ₂ O)	Minutes Held For
6 (0.15)	
24 (0.6)	
48 (1.2)	
72 (1.8)	
96 (2.4)	
120 (3.0)	

3.6.3 Criteria

Was there a	any appearanc	e of water in	the sight glass?	
	O Yes	O No	O Questionable	
If yes or qu	estionable, ex	plain		
Is the device in compliance with this section?				
	O Yes	O No	O Questionable	
If no or que	stionable, exp	lain		

3.7 Atmospheric Vent Opening

- 3.7.2 Procedure
 - What was the size of the hose used? _____ NH What was the length of the hose used? _____ feet (_____ m) What pressure was the system pressurized to? _____ psi (_____ kPa) What was the pressure at the inlet of the device after the quick-acting valve was opened? _____ psi (_____ kPa)
- 3.7.3 Criteria

 Did the device completely discharge the hose through the atmospheric vent to 0.0 psi (0.0 kPa)?

 O Yes
 O No
 O Questionable

 If no or questionable, explain

	Is the device in compliance with this section?
	O Yes O No O Questionable
	If no or questionable, explain
3.8	Leakage from Vent Ports
	3.8.2 Procedure
	At what inlet pressure is the highest rate of vent port leakage? psi (kPa)
	What is the leakage flow rate? oz/min (mL/min)
	At what inlet pressure does vent port leakage stop? psi (kPa)
	3.8.3 Criteria
	Is the device in compliance with this section?
	O Yes O No O Questionable
	If no or questionable, explain
3.9	Backsiphonage
	3.9.2 Procedure
	What was the internal diameter of the sight glass used? inches (mm)
	a) What vacuum was applied? inches (mm)
	How long was the vacuum held for? minutes
	What was the vacuum slowly reduced to? in-Hg (mm-Hg)
	b) What was the range of the vacuum during the created surge effect? in-Hg
	(mm-Hg) to in-Hg (mm-Hg)
	3.9.3 Criteria How much did the water rise in the sight glass?inches (mm)
	Is the device in compliance with this section?
	O Yes O No O Questionable
	If no or questionable, explain
3.10	Backflow Preventer Attachment Requirements
	Was the device removed by applying a torque of at the base of the hose
	bibb/device interface?
	O Yes O No O Questionable
	If yes or questionable, explain
	3.10.3 Criteria
	Was the device removed with a torque less than 180 in-lb?
	O Yes O No O Questionable
	If yes of questionable, explain
	Once the backflow preventer is removed, could a garden hose thread be reattach to the
	device?
	O Yes O No O Questionable
	If no or questionable, explain

	Is the device in compliance with this section?					
	O Yes O No O Questionable					
	If no or questionable, explain					
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	OII IV					
4.0	Network Requirements					
4.1	Materials					
	Water?					
	O Yes O No O Questionable O N/A					
	If no or questionable, explain					
	4.1.1 Metallic Parts					
	Do the metal parts (except springs) in contact with the water flowing through the device					
	have a corrosion resistance equal to a copper allow of not less than fifty-eight percent (58%) copper?					
	O Yes O No O Questionable O N/A					
	If no or questionable, explain					
	4.1.2 Springs					
	Do the springs in contact with the water flowing through the device have a corrosion					
	resistance at least equal to chrome nickel stainless steel, Series 300?					
	If no or questionable oxplain					
	1 1 3 Section					
	Is there metal to metal seating of check valves or relief means venting to atmosphere?					
	O Yes O No O Questionable O N/A					
	If yes or questionable, explain					
	4.1.4 Hose Threads					
	Do the hose connection threads conform to ASME B1.20.7?					
	O Yes O No O Questionable O N/A					
	If no or questionable, explain					
	Is the device in compliance with this section?					
	O Yes O No O Questionable					
	If no or questionable, explain					
4.2	Markings					
	4.2.1					
	Is the method of marking information on the product in compliance with the standard?					
	If no or questionable, explain:					
	State the information given on the product: Manufacturer's name or trademark:					

	Size or model number:		
	Maximum rated working pressure:		
	Maximum rated temperature:		
	4.2.2		
	How were the markings applied to the body of the device?		
	Is the device in compliance with this section?		
	O Yes O No O Questionable		
	If no or questionable, explain		
4.3	Installation Instructions		
	4.3.1		
	Were complete installation instructions packaged with the device?		
	O Yes O No O Questionable		
	If no or questionable, explain:		

LISTED LABORATORY:		
ADDRESS:		
PHONE:	FAX:	
TEST ENGINEER(S):		
If applicable:		
OUTSOURCED LABORATORY:		
ADDRESS:		
PHONE:	FAX:	
TEST ENGINEER(S):		
Scope of outsourced testing:		
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 listed laboratory:Signature		
Title of the official:	Date:	