ASSE International Product (Seal) Listing Program

ASSE 1055-2020

Chemical Dispensing Systems with Integral Backflow Protection

Manufacturer:					
Contact Person:	E-mail:				
Address:					
Laboratory:	Laboratory File Number:				
Model # Tested:					
Model Size:					
Additional models report applies to:					
Date testing was completed					
If models were damaged during shipment, describe damages:					
Prototype or production sample?					
Were all tests performed at the selected la	boratory? O Yes O No				
If offsite, identify location:					
General information and instructions for the The results within this report apply only to the					
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 rem	ain in question by the test agency, the agency shall, if the product is in				

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.

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.

Section I

1.0 General

1.2 Scope

What is the pressure range as indicated by the manufacturer?				
ns?				

	If no or questionable, explain _				
Criteria	1				
	If yes, did the device return after all four directions?	er each test to the upright position when tipped from			
	O Yes O No If no or questionable, explain _	O Questionable			
	In compliance?				
	O Yes O No	O Questionable			
	If no or questionable, explain _				
	essure Tests				
Procedu	ure				
	Flowing water pressure used fo	r the test: psi (kPa)			
	How many minutes was the tes				
Criteria	·	· —			
	Were there any leaks or damag	e to the device?			
	_	O Questionable			
	If no or questionable, explain _				
	In compliance?				
	•	O Questionable			
	If no or questionable, explain _				
	terioration at Extremes of Ma	anufacturer's Rated Temperature and Pressure			
Procedu	_				
		nrough the device:°F (°C)			
	Water pressure during cycling:				
	What was the cycle "on" time?				
	What was the cycle "off" time?	seconds			
	How many total cycles were co	mpleted? cycles			
	How many continuous hours per day was the device operated for after the cycling was				
	1 . 13	er day was the device operated for after the cycling was			
	completed? hours				
		erated for after the cycling was completed? days			
	How many days was device ope				
Criteria	How many days was device ope				
Criteria	How many days was device ope Were there any failures?	erated for after the cycling was completed? days			
Criteria	How many days was device operation. Were there any failures? O Yes O No				
Criteria	How many days was device open when there any failures? O Yes O No If no or questionable, explain	erated for after the cycling was completed? days • Questionable			
Criteria	Were there any failures? O Yes O No If no or questionable, explain Was there any change in physic	Prated for after the cycling was completed? days Questionable al characteristics of the materials that would prevent			
Criteria	Were there any failures? O Yes O No If no or questionable, explain Was there any change in physic compliance with the remaining	Questionable cal characteristics of the materials that would prevent requirements?			
Criteria	Were there any failures? O Yes O No If no or questionable, explain Was there any change in physic compliance with the remaining O Yes O No	Questionable cal characteristics of the materials that would prevent requirements? Questionable			
Criteria	Were there any failures? Yes O No If no or questionable, explain _ Was there any change in physic compliance with the remaining O Yes O No If no or questionable, explain _	Questionable cal characteristics of the materials that would prevent requirements? Questionable			
Criteria	Were there any failures? O Yes O No If no or questionable, explain Was there any change in physic compliance with the remaining O Yes O No	Questionable cal characteristics of the materials that would prevent requirements? Questionable			

3.4 Backpressure Purpose Is this device intended for use with a discharge hose? O Questionable O Yes O No If no or questionable, explain Procedure What was the initial backpressure when pressurized? inches of water column (kPa) What was the final backpressure after being increased incrementally? inches of water column (kPa) **Is this a handheld device?** (additional testing for handheld devices) O Yes O No Tested horizontal orientation? O No O Yes What was the initial backpressure when pressurized? inches of water column (kPa) What was the final backpressure after being increased incrementally? _____ inches of water column (_____kPa) Tested vertical-up orientation? O No O Yes What was the initial backpressure when pressurized? inches of water column (____kPa) What was the final backpressure after being increased incrementally? _____ inches of water column (_____kPa) Tested vertical-down orientation? O Yes O No What was the initial backpressure when pressurized? _____ inches of water column (_____kPa) What was the final backpressure after being increased incrementally? inches of water column (kPa) Criteria Was there any indication of colored water in the transparent tube? O Yes O No Questionable If no or questionable, explain _____ In compliance? O Yes O No Questionable If no or questionable, explain _____ 3.5 Air Inlet Valve Opening Test Does the device incorporate an elastomer gap?

O No, section 3.5 is NA

O Yes

Trail 1:				
Depth the discharge tube is submerged? Inches (cm)				
Beginning upstream static pressure psi (kPa)				
Pressure once the discharge tube starts to drain psi (kPa)				
Trail 2:				
Beginning upstream static pressure psi (kPa)				
Pressure once the discharge tube starts to drain psi (kPa)				
Trail 3:				
Beginning upstream static pressure psi (kPa)				
Pressure once the discharge tube starts to drain psi (kPa)				
Tressure once the distinct Se tube starts to drainps. (ta_)				
2.6 Packsinhanaga				
3.6 Backsiphonage				
Does the device incorporate an elastomer gap?				
O Yes O No, section 3.6 is NA				
Procedure				
Were all elastomersseals fouled?				
O Yes O No O Questionable				
If no or questionable, explain				
Total number of chemicals that can be mixed (dispensing paths)				
Chemical 1				
Trial 1:				
When the system was opened to the vacuum source, what was the pressure of the				
vacuum? inches of mercury (kPa)				
How long was the vacuum held for? minutes				
Trial 2:				
When the system was opened to the vacuum source, what was the pressure of the				
vacuum? inches of mercury (kPa)				
How long was the vacuum held for? minutes				
Trial 3:				
When the system was opened to the vacuum source, what was the pressure of the				
vacuum? inches of mercury (kPa)				
How long was the vacuum held for? minutes				
Chemical 2				
Trial 1:				
When the system was opened to the vacuum source, what was the pressure of the				
vacuum? inches of mercury (kPa)				
How long was the vacuum held for? minutes				
Trial 2:				
When the system was opened to the vacuum source, what was the pressure of the				
vacuum? inches of mercury (kPa)				
How long was the vacuum held for? minutes				
Trial 3:				
When the system was opened to the vacuum source, what was the pressure of the				
vacuum? inches of mercury (kPa)				
How long was the vacuum held for? minutes				
Chemical 3				

	Trial 1:
	When the system was opened to the vacuum source, what was the pressure of the
	vacuum? inches of mercury (kPa)
	How long was the vacuum held for? minutes
	Trial 2:
	When the system was opened to the vacuum source, what was the pressure of the
	vacuum? inches of mercury (kPa)
	How long was the vacuum held for? minutes
	Trial 3:
	When the system was opened to the vacuum source, what was the pressure of the
	vacuum? inches of mercury (kPa)
	How long was the vacuum held for? minutes
	Chemical 4-? If more than three chemicals, explain the additional testing completed.
	Criteria
	Was there any indication of colored water in the sight glass?
	O Yes O No O Questionable
	If no or questionable, explain
	In compliance?
	O Yes O No O Questionable
	If no or questionable, explain
	3.7 Air passage Comparative Areas Does the device incorporate an air gap as backflow protection? O Yes O No O Questionable If questionable, explain Procedure: Note: ASSE has issued an interpretation, the quick acting valve, vacuum, and vacuum tank should be connected to the outlet and the inlet of the device should be sealed in section 3.6
	In compliance?
	O Yes O No O Questionable
	If no or questionable, explain
	ii iio oi questionable, explain
Secti	on IV
4 De	etailed Requirements
	4.1 Markings
	List the marking information shown on the device:
	How were these markings applied on the device?
	4.2 Instructions
	Which of the following (if any) were present with the device?
	☐ Installation instructions

☐ Operation instructions
☐ Drawings or sketches useful to the installer
Will the instructions be electronically available?
O Yes O No O Questionable
If no or questionable, explain
If yes, have the electronic instructions been verified?
O Yes O No O Questionable
If no or questionable, explain
Do the instructions state the following?
"Devices shall be installed in a vertical orientation."
O Yes O No O NA, Handheld device O Questionable
If no or questionable, explain
"A plumbed, dedicated line is preferred for installation. When a dedicated line is not
available, installation shall ensure that no cross-connections between hot and cold water
are created, and that atmospheric vacuum breakers integrated into the building water supply are not negatively affected by being under pressure for over 12 continuous hours
O Yes O No O Questionable
If no or questionable, explain
4.3 Maintenance
Which of the following (if any) were submitted with the device (check if present)?
Maintenance of the device is not intended.
☐ Maintenance instructions
Replacement Parts List

LICTED LABORATORY.		
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:	