# ASSE International Product (Seal) Listing Program

#### **ASSE 1056-2013**

Performance Requirements for Spill Resistant Vacuum Breaker Assemblies

Manufacturer:	
Contact Person:	E-mail:
Address:	
	Laboratory File Number:
Model # Tested:	
Additional Model Information (i.e. orie	entation, series, end connections, shut-off valves)
Date models received by laboratory:	Date testing began:
Date testing was completed	
If models were damaged during shipr	nent, describe damages:
Prototype or production sample?	
Were all tests performed at the select	ed laboratory? O Yes O No

#### 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. Is the purpose of	the device, as	stated by the m	nanufacturer, as s	stated	in this se Yes No Questior	
	If no or questional	ble, explain:					
1.2.1	Description. Does the device of	conform to the	product classifi	ed as Spill Resis	tant \	/acuum B Yes No	reaker?
1.2.2	Size. D	N (	NPS)				
1.2.3	Pressure Range. In compliance?	What is the mi	inimum working	pressure?	kPa □ □	Yes No	psi)
1.2.4	Temperature Ran In compliance?	ge.	°C to	°C (	°F t	o Yes No	°F)
1.3.1	Flow Capacity What was the min ( G	imum flow rate	e specified by th	ne manufacturer?	>		L/s
	1.3.3.1 Are fema thread a p			s so constructed or interfere with			
	1.3.3.2 Are the in replacement		the assembly a	accessible for ins	pection	on, repairs Yes No	s or
1.3.4	Was the check va	lve force loade	ed to a normally	closed position	unde	r static co Yes No	nditions?
	1.3.5.1 Was the a	air inlet valve for ressure is atm		a normally open រុ	oositio	on when t Yes No	he supply

1.3.5.3		ere any water leakage from the vent when the device is pressurize the interior of the maximum working pressure?	zed fr	om Yes No	
	1.3.6	Was the air vent inlet entrance protected against the accumulat	ion of	f debris? Yes No	
		How was this accomplished?			
Section	on II				
2.0	Test S	pecimens			
	2.1 2.2	How many assemblies of each size and model were submitted? Were assembly drawings and other data provided?		Yes No	
	2.3	How many units were utilized during the laboratory evaluation?			
	2.4	Failure of one device shall result in a rejection of the device.			
Section	on III				
3.0	Perfori	mance Requirements and Compliance Testing			
	3.1	Hydrostatic test of Complete Assembly What was the supply pressure at the inlet? kPa (			psi)
		The test period was minutes.			
		Were there any external leaks or other indications of damage?		Yes No	
		In compliance?		Yes No	
	3.2	Hydrostatic Test of Check Valve			
		What was the pressure supplied at test cock #2 (downstream or	f the o	check valve)	)?
		kPa ( psi)			
		The pressure was maintained for minutes.			

	Were there any leaks as indicated by a	rise in the wate	er level of	the s	sight glass? Yes No	
	In compliance?				Yes No	
3.3	Deterioration at Extremes of Tempera	ature				
	Hot water temperature tested at:	°C (		°F)	)	
	Hot water pressure tested at:	kPa (	psi)			
	Cold water temperature tested at:	°C (		°F)		
	Cold water pressure tested at:	kPa (	psi)			
	Hot water test period was for	hours.				
	Cold water test period was for	hours.				
	In compliance?				Yes No	
3.4	Shock (Water Hammer) Test of Asser	nbly				
	What was the supply pressure at the inle	et?	kPa (			psi)
	How many times was this test performed	d?				
	Any indication of damage?				Yes No	
	In compliance?				Yes No	
3.5	<b>Drip Tightness of Check Valve</b>					
	What was the pressure applied to the up kPa ( psi)	ostream side o	f the chec	k val	ve?	
	What was the level of water in the sight	glass?	mm (		inches	;)
	Was there any loss in the level of the sig	ght glass belov	v 710 mm	( 28	in.)? Yes No	
	In compliance?				Yes No	

3.6	Air Inl	et Valve Closing and Opening Pressure.		
	What	was the pressure at the inlet of the assembly?	kPa (	psi)
	What	was the water level in the sight glass?	mm (	psi)
	Was th	ne vent fully open at atmospheric pressure?	☐ Yes ☐ No	
	Did the	e vent valve start to open when pressure drops to 6.	9 kPa (1 psi)? ☐ Yes ☐ No	
	In com	pliance?	☐ Yes ☐ No	
3.7	Air Inl	et Valve Capacity		
	3.7.2	After three runs with the check valve open and the average time it took to evacuate the vacuum tank.		
	3.7.3	After three runs with the check valve closed and the average time it took to evacuate the vacuum tank.		
	3.7.4	Was the time recorded for Section 3.7.3 equal to of for Section 3.7.2?	or less than the time re	ecorded
		In compliance?	☐ Yes ☐ No	
3.8	Backs	iphonage Prevention		
	What	size wire was used to foul the check valve?	mm (	inches)
	(a)	What was the vacuum applied for this test?	kPa (	psi)
		How long was the test period? seconds		
	(b)	At a vacuum of 7 kPa (2 in. Hg), what was the sigmm ( in.)	ht glass water level?	
		At a vacuum of 17 kPa (5 in. Hg), what was the signm ( in.)	ght glass water level?	
		At a vacuum of 34 kPa (10 in. Hg), what was the s	sight glass water level	?
		At a vacuum of 51 kPa (15 in. Hg), what was the s	sight glass water level	?

			At a vacuum	of 84.5 kPa (2 mm (	25 in. Hg),	what v in.)	vas the	sight	glass water	level?
		(c)	From an incre the sight glass	asing uniform va water level?	acuum of 0	to 84.5 mm (	kPa (0 t	o 25 in.)	in. Hg), what	was
			From an decre the sight glass In compliance		acuum of	84.5 to ( mm (	) kPa (28	in.)	in. Hg), what Yes No	was
	3.9	Rated F	low and Maxi	mum Allowabl	e Pressur	e Loss				
		What w	as the rate of f	low?	L/s (		GPM)			
		What w In comp		e loss at the rate	ed flow?		kPa (		psi) Yes No	
Sectio 4.0		<b>d Requi</b> Materia	rements							
	7.1	4.1.1		ontact with Wate	er. In comp	oliance?			Yes No	
		4.1.2	Elastomers ar	d Polymers. In	compliance	e?		=	Yes No	
		4.1.3	Stainless Stee	el Components.	In complia	nce?		_	Yes No	
		4.1.4	Non-Ferrous \	Vetted Parts. In	compliand	e?		_	Yes No	
		4.1.5	Internal Non-C	Cast Parts. In co	mpliance?				Yes No	
		4.1.6	Springs. In co	mpliance?					Yes No	
		4.1.7	Valve Discs, 3 In compliance	Seat Facing or ?	Other Flea	xible or	Non-Fle		Non-Metallic Yes No	Parts.
		4.1.8	Metal-to-Meta	I. In compliance	?				Yes No	
		4.1.9	Seat Rings. In	compliance?				_	Yes No	
		4.1.10	Test Cock. In	compliance?				_	Yes No	
		4.1.11	Pipe Threads.	In compliance?	)			_	Yes No	

4.2	Instructions					
			ions furnished with the assembly that in maintenance?	ncluded illustrati	ions, installation, Yes No	
4.3	Marki	ngs				
	4.3.1	List t	he markings shown on the device:			
		(a)	Name or Trademark:			
		(b)	Type and Model Number:			
		(c)	Maximum Rated Pressure:	kPa (	psi)	
		(d)	Maximum Rated Temperature:	°C (	°F)	
		(e)	Serial Number or other markings:			
		(f)	Nominal Valve Size?	DN (	NPS)	
		(g)	The direction of Flow?			
		Are t	hese markings visible in the installed po	osition?	Yes No	
	4.3.2		were the markings made? Stamped Cast Permanently affixed label On a corrosion resistant brass or stainle the device Other:	ess steel plate s	ecurely fastened	to

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:					