

**ASSE International  
Product (Seal) Listing Program**

**ASSE 1037-2020/ASME A112.1037-2020/CSA B125.37:20  
Pressurized Flushing Devices for Plumbing Fixtures**

**Manufacturer** \_\_\_\_\_

**Contact Person** \_\_\_\_\_ **E-mail** \_\_\_\_\_

**Address** \_\_\_\_\_

**Laboratory File Number** \_\_\_\_\_

**Model # Tested** \_\_\_\_\_

**Model Size** \_\_\_\_\_

**Additional Models Report Applies to** \_\_\_\_\_

**Additional Model Information (i.e. orientation, series, end connections, shut-off valves)**

\_\_\_\_\_

**Date Models Received by Laboratory** \_\_\_\_\_ **Date Testing Began** \_\_\_\_\_

**Date Testing was Completed** \_\_\_\_\_

**If Models were Damaged During Shipment, Describe Damages**

\_\_\_\_\_

**Prototype or Production** \_\_\_\_\_

**Were All Tests Performed at the Selected Laboratory?**  Yes  No

**If offsite, identify location and tests involved:** \_\_\_\_\_

**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.

## Section I

### 1.0 Scope

1.1 Is the purpose of the device, as described by the manufacturer, as stated in this section?

Yes       No       Questionable

If questionable, explain \_\_\_\_\_

## Section II

No data required

## Section III

### 3.0 Design and general requirements

3.1 State the operating pressure range of the device:

Minimum: \_\_\_\_\_ kPa (\_\_\_\_\_ psi)      Maximum: \_\_\_\_\_ kPa (\_\_\_\_\_ psi)

3.2 State the operating temperature range of the devices

Minimum: \_\_\_\_\_ °C (\_\_\_\_\_ °F)      Maximum: \_\_\_\_\_ °C (\_\_\_\_\_ °F)

3.3 Does the device come with a backflow preventer?

Yes  
 No

If yes, what standard does the backflow preventer comply with? \_\_\_\_\_

If no, do the installation instructions identify the specific types of backflow protection required?

Yes  
 No

3.4 Is the device classified as an accessible design?

Yes  
 No

If it is classified as such, is it automatically controlled?

Yes  
 No

If it is not automatically controlled, does it meet the following requirements?

Operable with one hand	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Not requiring tight grasping, pinching, or twisting of the wrist	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Requiring an operating force no greater than 22N (5lbf)	<input type="checkbox"/> Yes	<input type="checkbox"/> No

3.5 Does the device include a control stop?

Yes       No       Questionable

If questionable, explain \_\_\_\_\_

3.6 Do these features conform to the applicable standards?

Tapered pipe threads	ASME B1.20.1	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Straight threads	ASME B1.1	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Dimensions of solder-joint connections	ASME B16.18 or ASME B16.22	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Compression connections	SAE J512	<input type="checkbox"/> Yes	<input type="checkbox"/> No

3.6.1 What is the inlet supply connection specified as? \_\_\_\_\_

3.6.2 Does the outlet connection provide a pressure-tight connection as specified in ASME A112.19.2/CSA B45.1?

Yes       No       Questionable

If questionable, explain \_\_\_\_\_

3.7 Do coatings comply with ASME A112.18.1/CSA B125.1?

Yes       No       Questionable

If questionable, explain \_\_\_\_\_

3.8 Does the device incorporate any electrical features?

Yes

No

3.8.1 If yes, do the electrical features comply with ASME A112.18.1/CSA B125.1?

Yes       No       Questionable

If questionable, explain \_\_\_\_\_

3.8.2 If solenoid valves control the PFD were they tested as part of the PFD?

Yes       No       Questionable

If questionable, explain \_\_\_\_\_

## Section IV

### 4.0 Performance requirements and test methods

#### 4.1 General

4.1.1 How long were the samples at ambient laboratory conditions before testing?

\_\_\_\_\_ hours at \_\_\_\_\_ °C (\_\_\_\_ °F)

4.1.3 Water temperature at start of test. \_\_\_\_\_ °C (\_\_\_\_ °F)

#### 4.2 Pressure test

4.2.2(b) Static pressure set to \_\_\_\_\_ kPa (\_\_\_\_\_ psi). Flush.

4.2.2(c) Static pressure set to \_\_\_\_\_ kPa (\_\_\_\_\_ psi). Flush.

4.2.2(d) Static pressure set to \_\_\_\_\_ kPa (\_\_\_\_\_ psi).

4.2.2(e) Wait for \_\_\_\_\_ min.

4.2.2(f) Static pressure set to \_\_\_\_\_ kPa (\_\_\_\_\_ psi). Flush.

4.2.3 Did the device complete all flushing cycles?

Yes  No  Questionable

If questionable, explain \_\_\_\_\_

Was there any leakage?

Yes  No  Questionable

If questionable, explain \_\_\_\_\_

Is the PFD in compliance with section 4.2?

Yes  No  Questionable

If questionable, explain \_\_\_\_\_

4.3 Back-siphonage test for Non-tank type PFD's  Section Not Applicable

4.3.2 Does the back siphonage performance of the device comply with any of the following standards?

ASME A112.18.3	<input type="checkbox"/> Yes	<input type="checkbox"/> No
ASSE 1001	<input type="checkbox"/> Yes	<input type="checkbox"/> No
CSA B64.1.1	<input type="checkbox"/> Yes	<input type="checkbox"/> No

Is the PFD in compliance with section 4.3?

Yes  No  Questionable

If questionable, explain \_\_\_\_\_

4.4 Backflow test for Tank type PFD's  Section Not Applicable

4.4.2(b) Size of fouling wire: \_\_\_\_\_ mm (\_\_\_\_\_ in)

4.4.2(d) Pressure set to: \_\_\_\_\_ kPa (\_\_\_\_\_ psi)

4.4.2(e) Vacuum set to: \_\_\_\_\_ kPag (\_\_\_\_\_ psig) for \_\_\_\_\_ min

4.4.2(f) Vacuum increased to \_\_\_\_\_ kPag (\_\_\_\_\_ psig) over \_\_\_\_\_ sec

4.4.2(g) Vacuum decreased to \_\_\_\_\_ kPag (\_\_\_\_\_ psig) over \_\_\_\_\_ sec

4.4.2(h) Peak vacuum: \_\_\_\_\_ kPag (\_\_\_\_\_ psig)

4.4.3 Was there any colored water in the sight glass?  Yes  No

Was a separate sample used to perform section 4.4?

Yes  No  Questionable

If questionable, explain \_\_\_\_\_

Is the PFD in compliance with section 4.4?

Yes  No  Questionable

If questionable, explain \_\_\_\_\_

4.5 Hydraulic performance tests

4.5.2(a) Is this device designed to be coupled with a water closet fixture that conforms to ASME A112.19.2/CSA B45.1?

Yes  No  Questionable

If questionable, explain \_\_\_\_\_

Is this device designed to be coupled with a urinal fixture that conforms to ASME A112.19.2/CSA B45.1?

Yes  No  Questionable

If questionable, explain \_\_\_\_\_

4.5.2(b) Is this device designed to be coupled with a dual-flush fixture that conforms to ASME A112.19.14?

Yes  No  Questionable

If questionable, explain \_\_\_\_\_

4.5.2(c) Name the (3) fixture models and their manufacturers that are used for the hydraulic performance tests:

Fixture #1: \_\_\_\_\_

Fixture #2: \_\_\_\_\_

Fixture #3: \_\_\_\_\_

Does each fixture conform to ASME A112.19.2/CSA B45.1 and/or ASME A112.19.14?

Yes  No  Questionable

If questionable, explain \_\_\_\_\_

4.5.3 For water closet PFD's coupled to water closet fixtures, perform these tests:

Section Not Applicable

**Trap seal depth determination**

Fixture	Full trap seal depth, mm (in)
#1	
#2	
#3	

**Water consumption**

Static pressure #1

Fixture	Static pressure, kPa (psi)	Run no.	Flush volume, L (gal)			Trap seal restored? (yes/no)	Residual trap seal depth, H <sub>r</sub> , mm (in)	Cycle time, s
			Main flush	Total Flush	Afterflow (total minus main flush)			
#1		1						
		2						
		3						
		Average total flush volume, L (gal)					Average cycle time, s	
#2		1						
		2						
		3						
		Average total flush volume, L (gal)					Average cycle time, s	
#3		1						
		2						
		3						
		Average total flush volume, L (gal)					Average cycle time, s	

Static pressure #2

Fixture	Static pressure, kPa (psi)	Run no.	Flush volume, L (gal)			Trap seal restored? (yes/no)	Residual trap seal depth, H <sub>r</sub> , mm (in)	Cycle time, s
			Main flush	Total Flush	Afterflow (total minus main flush)			
#1		1						
		2						
		3						
		Average total flush volume, L (gal)					Average cycle time, s	
#2		1						
		2						
		3						
		Average total flush volume, L (gal)					Average cycle time, s	
#3		1						
		2						
		3						
		Average total flush volume, L (gal)					Average cycle time, s	

Static pressure #3

Siphonic or Blowout style bowl. Section Not Applicable

Fixture	Static pressure, kPa (psi)	Run no.	Flush volume, L (gal)			Trap seal restored? (yes/no)	Residual trap seal depth, H <sub>r</sub> , mm (in)	Cycle time, s
			Main flush	Total Flush	Afterflow (total minus main flush)			
#1		1						
		2						
		3						
		Average total flush volume, L (gal)					Average cycle time, s	
#2		1						
		2						
		3						
		Average total flush volume, L (gal)					Average cycle time, s	
#3		1						
		2						
		3						
		Average total flush volume, L (gal)					Average cycle time, s	

**Granule and ball**

Fixture	Run no.	Number of granules in bowl after flushing	Number of balls in bowl after flushing	Trap seal restored? (yes/no)	Residual trap seal depth, H <sub>r</sub> , mm (in)
#1	1				
	2				
	3				
#2	1				
	2				
	3				
#3	1				
	2				
	3				

**Surface wash**

Fixture	Run no.	Longest segment length, mm (in)	Total segment lengths, mm (in)
#1	1		
	2		
	3		
#2	1		
	2		
	3		
#3	1		
	2		
	3		

**Mixed media**

Fixture	Run no.	Initial flush				Second flush			
		Number flushed out			Trap seal restored? (yes/no)	Number flushed out			Trap seal restored? (yes/no)
		Sponges	Paper balls	Total		Sponges	Paper balls	Total	
#1	1								
	2								
	3								
	4								
#2	1								
	2								
	3								
	4								
#3	1								
	2								
	3								
	4								

**Drain line transport characterization**

Travel distance, m (ft)	Weighted average carry distance (total balls x avg distance), m (ft)		
	Fixture #1	Fixture #2	Fixture #3
In bowl or trap	0	0	0
<3 (<10)			
3 to <6 (10 to <20)			
6 to <9 (20 to <30)			
9 to <12 (30 to <40)			
12 to <15 (40 to <50)			
15 to <18 (50 to <60)			
≥18 (≥60)			
Sum of average carry distances, m (ft)			
Average carry distance per ball (sum of average carry distances / 300), m (ft)			

Is the water closet PFD in compliance with section 4.5?

Yes       No       Questionable

If questionable, explain \_\_\_\_\_

4.5.3 cont. For urinal PFD's coupled to urinal fixtures, perform these tests:

Section Not Applicable

**Trap seal depth determination**

Fixture	Full trap seal depth, mm (in)
#1	
#2	
#3	

**Water consumption**

**Static Pressure #1**

Fixture	Static pressure, kPa (psi)	Run no.	Flush volume, L (gal)			Trap seal restored? (yes/no)
			Main flush	Total Flush	Afterflow (total minus main flush)	
#1		1				
		2				
		3				
		Average total flush volume, L (gal)				
#2		1				
		2				
		3				
		Average total flush volume, L (gal)				
#3		1				
		2				
		3				
		Average total flush volume, L (gal)				

**Static Pressure #2**

Fixture	Static pressure, kPa (psi)	Run no.	Flush volume, L (gal)			Trap seal restored? (yes/no)
			Main flush	Total Flush	Afterflow (total minus main flush)	
#1		1				
		2				
		3				
		Average total flush volume, L (gal)				
#2		1				
		2				
		3				
		Average total flush volume, L (gal)				
#3		1				
		2				
		3				
		Average total flush volume, L (gal)				

**Surface Wash**

Fixture	Run no.	Longest segment length, mm (in)	Total segment lengths, mm (in)
#1	1		
	2		
	3		
#2	1		
	2		
	3		
#3	1		
	2		
	3		

**Dye**

Fixture	Run no.	Was the diluted sample lighter than the control?	
#1	1	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	2	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	3	<input type="checkbox"/> Yes	<input type="checkbox"/> No
#2	1	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	2	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	3	<input type="checkbox"/> Yes	<input type="checkbox"/> No
#3	1	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	2	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	3	<input type="checkbox"/> Yes	<input type="checkbox"/> No

Is the urinal PFD in compliance with section 4.5?

Yes       No       Questionable

If questionable, explain \_\_\_\_\_

4.5.3 cont. For dual flush PFD's coupled to dual flush water closets, complete in full flush mode the first section for water closet PFD's coupled to water closet fixtures.

Single flush bowl. Section Not Applicable.

In addition for dual flush PFD's perform these tests, in reduced flush mode:

**Trap seal depth restoration**

Run no.	Trap seal depth, mm (in)		
	Fixture #1	Fixture #2	Fixture #3
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

**Surface Wash**

Fixture	Run no.	Longest segment length, mm (in)	Total segment lengths, mm (in)
#1	1		
	2		
	3		
#2	1		
	2		
	3		
#3	1		
	2		
	3		

**Dye**

Fixture	Run no.	Was the diluted sample lighter than the control?	
#1	1	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	2	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	3	<input type="checkbox"/> Yes	<input type="checkbox"/> No
#2	1	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	2	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	3	<input type="checkbox"/> Yes	<input type="checkbox"/> No
#3	1	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	2	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	3	<input type="checkbox"/> Yes	<input type="checkbox"/> No

**Toilet paper**

Fixture	Run no.	# of paper balls flushed	Any paper left in the bowl?
#1	1		
	2		
	3		
#2	1		
	2		
	3		
#3	1		
	2		
	3		

Is the dual flush water closet PFD in compliance with section 4.5?

Yes       No       Questionable

If questionable, explain \_\_\_\_\_

4.6 Operating requirements

4.6.2 Temperature of environment: \_\_\_\_\_ °C (\_\_\_\_\_ °F)

4.6.2(c) Force to open, operate, and close

	Pressure		Temperature		Linear Force	
	kPa	(psi)	°C	(°F)	N	(lbf)
1						
2						

Is this an accessible or non-accessible design PFD?

Accessible     Non-accessible

Is the PFD in compliance with section 4.6?

Yes     No     Questionable

If questionable, explain \_\_\_\_\_

4.7 Life Cycle Test

4.7.2 Procedure

4.7.2.1. Test setup

4.7.2.1(b) Flowing supply set to \_\_\_\_\_ kPa (\_\_\_\_\_ psi) at \_\_\_\_\_ °C (\_\_\_\_\_ °F)

4.7.2.1(c) PFD flushed \_\_\_\_\_ times.

4.7.2.1(d)

Flush	Flush Volume	
	L	(gal)
1		
2		
3		
4		
5		
Avg		

If PFD is a dual flush device, measure the flush volume of the reduced flush as well

Section Not Applicable

Flush	Reduced Flush Volume	
	L	(gal)
1		
2		
3		
4		
5		
Avg		

4.7.2.2. PFD's with primary control

4.7.2.2(a) Primary control flushed \_\_\_\_\_ times.

4.7.2.2(b) For single flush PFD's, measure the flush volume after the given number of cycles.

4.7.2.2(c) For dual flush PFD's, measure the flush volume as indicated.

Cycles	Flush	Flush volume	Cycles	Flush	Flush volume
25k (full)	1	L/flush ( _____ gal/flush)	150k (full)	1	L/flush ( _____ gal/flush)
	2	L/flush ( _____ gal/flush)		2	L/flush ( _____ gal/flush)
	3	L/flush ( _____ gal/flush)		3	L/flush ( _____ gal/flush)
	Avg	L/flush ( _____ gal/flush)		Avg	L/flush ( _____ gal/flush)
50k (red.)	1	L/flush ( _____ gal/flush)	175k (red.)	1	L/flush ( _____ gal/flush)
	2	L/flush ( _____ gal/flush)		2	L/flush ( _____ gal/flush)
	3	L/flush ( _____ gal/flush)		3	L/flush ( _____ gal/flush)
	Avg	L/flush ( _____ gal/flush)		Avg	L/flush ( _____ gal/flush)
75k (red.)	1	L/flush ( _____ gal/flush)	200k (red.)	1	L/flush ( _____ gal/flush)
	2	L/flush ( _____ gal/flush)		2	L/flush ( _____ gal/flush)
	3	L/flush ( _____ gal/flush)		3	L/flush ( _____ gal/flush)
	Avg	L/flush ( _____ gal/flush)		Avg	L/flush ( _____ gal/flush)
100k (red.)	1	L/flush ( _____ gal/flush)	225k (red.)	1	L/flush ( _____ gal/flush)
	2	L/flush ( _____ gal/flush)		2	L/flush ( _____ gal/flush)
	3	L/flush ( _____ gal/flush)		3	L/flush ( _____ gal/flush)
	Avg	L/flush ( _____ gal/flush)		Avg	L/flush ( _____ gal/flush)
125k (red.)	1	L/flush ( _____ gal/flush)	250k (red.)	1	L/flush ( _____ gal/flush)
	2	L/flush ( _____ gal/flush)		2	L/flush ( _____ gal/flush)
	3	L/flush ( _____ gal/flush)		3	L/flush ( _____ gal/flush)
	Avg	L/flush ( _____ gal/flush)		Avg	L/flush ( _____ gal/flush)

4.7.2.3. PFD's with a secondary control  Section Not Applicable

Secondary control flushed \_\_\_\_\_ times.

Using the secondary control,

Flush	Flush volume
1	L/flush ( _____ gal/flush)
2	L/flush ( _____ gal/flush)
3	L/flush ( _____ gal/flush)
Avg	L/flush ( _____ gal/flush)

Repeat section 4.2 for all PFD's:

4.2 Pressure test

4.2.2(b) Static pressure set to \_\_\_\_\_ kPa ( \_\_\_\_\_ psi). Flush.

4.2.2(c) Static pressure set to \_\_\_\_\_ kPa ( \_\_\_\_\_ psi). Flush.

4.2.2(d) Static pressure set to \_\_\_\_\_ kPa ( \_\_\_\_\_ psi).

4.2.2(e) Wait for \_\_\_\_\_ min.

4.2.2(f) Static pressure set to \_\_\_\_\_ kPa ( \_\_\_\_\_ psi). Flush.

4.2.3 Did the device complete all flushing cycles?

Yes       No       Questionable

If questionable, explain \_\_\_\_\_

Was there any leakage?

Yes       No       Questionable

If questionable, explain \_\_\_\_\_

Did the PFD pass section 4.2?

Yes       No       Questionable

If questionable, explain \_\_\_\_\_

Repeat section 4.3 for non-tank-type PFD's:       Section Not Applicable

4.3 Back-siphonage test for Non-tank type PFD's

4.3.2 Does the back-siphonage performance of the device comply with any of the following standards?

ASME A112.18.3	<input type="checkbox"/> Yes	<input type="checkbox"/> No
ASSE 1001	<input type="checkbox"/> Yes	<input type="checkbox"/> No
CSA B64.1.1	<input type="checkbox"/> Yes	<input type="checkbox"/> No

Did the PFD pass section 4.3?

Yes       No       Questionable

If questionable, explain \_\_\_\_\_

Repeat section 4.4 for tank-type PFD's:       Section Not Applicable

4.4 Backflow test for Tank type PFD's

4.4.2(b) Size of fouling wire: \_\_\_\_\_ mm (\_\_\_\_\_ in)

4.4.2(d) Pressure set to: \_\_\_\_\_ kPa (\_\_\_\_\_ psi)

4.4.2(e) Vacuum set to: \_\_\_\_\_ kPag (\_\_\_\_\_ psig) for \_\_\_\_\_ min

4.4.2(f) Vacuum increased to \_\_\_\_\_ kPag (\_\_\_\_\_ psig) over \_\_\_\_\_ sec

4.4.2(g) Vacuum decreased to \_\_\_\_\_ kPag (\_\_\_\_\_ psig) over \_\_\_\_\_ sec

4.4.2(h) Peak vacuum: \_\_\_\_\_ kPag (\_\_\_\_\_ psig)

4.4.3 Was there any colored water in the sight glass?  Yes  No

Did the PFD pass section 4.4?

Yes       No       Questionable

If questionable, explain \_\_\_\_\_

Repeat section 4.6 for all PFD's:

4.6 Operating requirements

4.6.2 Temperature of environment:      °C (      °F)

4.6.2(c) Force to open, operate, and close

	Pressure		Temperature		Linear Force	
	kPa	(psi)	°C	(°F)	N	(lbf)
1						
2						

Is this an accessible or non-accessible design PFD?

Accessible     Non-accessible

Did the PFD pass section 4.6?

Yes     No     Questionable

If questionable, explain \_\_\_\_\_

Is the PFD in compliance with section 4.7?

Yes     No     Questionable

If questionable, explain \_\_\_\_\_

4.8 Integral control stop life cycle test

4.8.2 Procedure

4.8.2(c) Control stop pressurized to \_\_\_\_\_ kPa (\_\_\_\_\_ psi)

4.8.2(d) Where there any leaks?     Yes     No

4.8.2(e) Pressure reduced to \_\_\_\_\_ kPa (\_\_\_\_\_ psi)

4.8.2(f) Control stop manually operated for \_\_\_\_\_ cycles

4.8.2(g) After cycle test,

4.8.2(g)(1) Control stop pressurized to \_\_\_\_\_ kPa (\_\_\_\_\_ psi) for \_\_\_\_\_ min

4.8.2(g)(2) Where there any leaks?     Yes     No

Is the PFD in compliance with section 4.8?

Yes     No     Questionable

If questionable, explain \_\_\_\_\_

4.9 Hydrostatic pressure test for non-tank type PFD's     Section Not Applicable

4.9.2 PFD pressurized to \_\_\_\_\_ kPa (\_\_\_\_\_ psi) for \_\_\_\_\_ min

4.9.3 Were there any leaks?     Yes     No

Is the PFD in compliance with section 4.9?

Yes     No     Questionable

If questionable, explain \_\_\_\_\_

4.10 Hydrostatic pressure test for tank type PFD's     Section Not Applicable

4.10.2 Procedure

4.10.2(a) Remove relief valve from PFD.

4.10.2(b) Minimum relief valve opening pressure \_\_\_\_\_ kPa (\_\_\_\_\_ psi) and flow rate \_\_\_\_\_ mL/min (\_\_\_\_\_ oz/min)

4.10.2(d) Reassemble relief valve to the PFD and block the relief outlet of the relief valve to prevent the assembly's pressure from reducing.

4.10.2(e) or (g) PFD pressurized to: \_\_\_\_\_ kPa (\_\_\_\_\_ psi)

4.10.2(f) or (h) Pressurized for \_\_\_\_\_ min

4.10.3 Where there any leaks?  Yes  No

Is the PFD in compliance with section 4.10?

Yes  No  Questionable

If questionable, explain \_\_\_\_\_

## Section V

### 5.0 Markings, packaging, and installation instructions

#### 5.1 Markings

5.1(a) Is the manufacturer's name, trademark, or other mark on the product?

Yes  No  Questionable

If questionable, explain \_\_\_\_\_

If this is a private label, is the name, trademark, or other mark of the customer for whom the PFD was manufactured on the product?

Yes  No  Questionable  N/A

If questionable, explain \_\_\_\_\_

5.1(b) Is the critical level marked with a line and the letters "CL"?

Yes  No  Questionable

If questionable, explain \_\_\_\_\_

5.1(c) If the PFD is a manually activated dual-flush PFD, is that identification shown by graphic display or lettering or intuitively apparent?

Yes  No  Questionable

If questionable, explain \_\_\_\_\_

5.2 Is the average water consumption visible in liters per flush and gallons per flush on the product?

Yes  No  Questionable

If questionable, explain \_\_\_\_\_

5.3 Are all markings permanent, legible, and visible after installation?

Yes  No  Questionable

If questionable, explain \_\_\_\_\_

#### 5.4 Packaging

5.4(a) Is the manufacturer's name, trademark, or other mark on the packaging?

Yes  No  Questionable

If questionable, explain \_\_\_\_\_

If this is a private label, is the name, trademark, or other mark of the customer for whom the PFD was manufactured on the packaging?

Yes  No  Questionable  N/A

If questionable, explain \_\_\_\_\_

5.4(b) Is the model name or series number, and the water consumption in liters per flush and gallons per flush on the packaging?  Yes  No  Questionable

If questionable, explain \_\_\_\_\_

5.5 Are installation instructions included with the PFD?  Yes  No  Questionable

If 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: _____