

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

**ASSE 1030-2016
Positive Pressure Reduction Devices for Sanitary Drainage Systems**

Manufacturer: _____

Contact Person: _____ **E-mail:** _____

Address: _____

Laboratory: _____ **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 sample? _____

Were all tests performed at the selected laboratory? Yes 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 1

1.0 General

1.1 Application

Does the device as stated by the manufacturer comply with the application section of this standard? Yes No Questionable

If questionable, explain: _____

1.2 Scope

Does the device as described the manufacturer comply with the description section of this standard? Yes No

1.3 Requirements

1.3.1 What is the temperature range as noted by the manufacturer:
_____ °F to _____ °F (_____ °C to _____ °C)

1.3.5 Specify the type of connection for the device on test and the standard to which it conforms:

SECTION II

2.0 Test Specimens

2.1 How many devices of each type, model and size were submitted by the manufacturer to the testing laboratory for evaluation to this standard? _____

2.2 How many devices of each type, model and size were used for testing? _____

2.3 Were drawings and installation instructions provided to the laboratory? Yes No

If yes, were these drawings and installation instructions reviewed by the laboratory in determining compliance with this standard? Yes No

SECTION III

3.0 Performance Requirements and Compliance Testing

3.1 Air Tightness Test

What was the temperature in the laboratory when this test was performed?
_____ °F (_____ °C)

The pressure on the device on test was increased from _____ psi (_____ kPa to _____ psi (_____ kPa) over a period of _____ seconds.

After a five (5) minute wait, what was the internal pressure of the device?
_____ psi (_____ kPa)

Was the device in compliance with this section Yes No

3.2 Rating Test

What was the capacity of the bladder when filled with water?
_____ quarts (_____ liters)

3.3 Endurance Test

The device was conditioned at _____ °F (_____ °C) for a period of _____ hours. At a pressure of _____ psi (_____ kPa) the device was subjected to _____ cycles at a rate of _____ cycle per minute.



At the completion of the high temperature cycle testing, retest the device to Section 3.1:

Retest Section 3.1

What was the temperature in the laboratory when this test was performed? _____ °F (_____ °C)

The pressure on the device on test was increased from _____ psi (_____ kPa) to _____ psi (_____ kPa) over a period of _____ seconds. After a five (5) minute wait, what was the internal pressure of the device?

_____ psi (_____ kPa)
Was the device in compliance with this section Yes No

3.3 Endurance Test - continued

Following the retesting to Section 3.1, the device was conditioned at _____ °F (_____ °C) for a period of _____ hours.

At a pressure of _____ psi (_____ kPa) the device was subjected to _____ cycles at a rate of _____ cycle per minute.

At the completion of the low temperature cycle testing, retest the device to section 3.1:

Retest Section 3.1

What was the temperature in the laboratory when this test was performed? _____ °F (_____ °C)

The pressure on the device on test was increased from _____ psi (_____ kPa) to _____ psi (_____ kPa) over a period of _____ seconds. After a five (5) minute wait, what was the internal pressure of the device?

_____ psi (_____ kPa)
Was the device in compliance with this section Yes No

3.3 Endurance Test - continued

Was the device in compliance with Section 3.1 following both the high temperature and low temperature endurance testing? Yes No

3.4.1 Device Characteristic Performance Test

(Vol_u) Volume of device on test, _____ quarts _____ liter _____ in³

(Vol_a) Minimum volume of the air that must be displaced by generator piston _____ in³

(Dia_p) Diameter of the wave generator piston _____ in

(Sl_p) Calculated Minimum piston Stroke length of piston of the wave generator _____ in

Measured Piston stroke length _____ in

Is the volume of air displace by the piston 10% larger than the device? _____



Section 3.4.2 Test Apparatus Pipe Length Calculations and Pressure Transducer #1 Location

Transducer #1 peak positive pressure of initial wave before actual test _____ psi _____ kPa

Transducer #1 (P_{wave}) Period of initial wave _____ msec

Section 3.4.3 Test Apparatus Pressure Transducers Locations #1 & #2

L_p = Test apparatus minimum length _____ inch

(L_1) Distance from wave generator to Transducer #1 _____ in

(L_2) Distance from Transducer #2 to the device on test _____ in

(P_{pipe}) Pipe Period _____ msec

Length of tube, from wave generator to device. _____

Is the length of the tube correctly sized, if no please explain _____.

Section 3.5 - 3.7

Rise time after the the stroke speed is adjusted to 4 inches of water column. _____ msec

Test	Time A (figure 5)	Opening time	Filling time, B	Period of wave
1	_____ msec	_____ msec	_____ msec	_____ msec
2	_____ msec	_____ msec	_____ msec	_____ msec
3	_____ msec	_____ msec	_____ msec	_____ msec

Was the device in compliance to section 3.5 Yes No

Was the device in compliance to section 3.6 Yes No

Was the device in compliance to section 3.6 Yes No

SECTION IV

4.0 Detailed Results

4.1 Materials

Did the ABS materials, PVC materials or other materials in the construction of this device conform to the material requirements of Section 4.1? Yes No

4.2 Documentation

Were instructions for installation, maintenance and testing packaged with the device? Yes No

4.3 Markings

List the markings found on the device: _____

How were these markings applied: _____

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: _____