

ASSE International

Performance Requirements for

Trap Seal Primer – Drainage Types and Electric Design Types

An American National Standard

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Foreword

This foreword shall not be considered a part of the standard. However, it is offered to provide background information.

ASSE standards are developed in the interest of consumer safety. The ASSE Product Standards Committee encourages manufacturers to develop performance requirement standards and testing procedures for their products. These standards have the consensus of manufacturers and others who have pertinent interests in plumbing systems and are acceptable to this organization.

For many years, the method of priming traps has been with the use of a water supply trap primer, which is activated by flow in the water supply piping. This method of priming utilizes primers that comply with ASSE 1018, *Performance Requirements for Trap Seal Primer Valves – Potable Water Supplied*. This standard addresses alternate methods to ASSE 1018 and addresses trap primers utilizing electric design and drainage-type trap seal primers.

Although many of the material specifications are detailed within Section 4.1 of this standard, it is the responsibility of the manufacturer and the installer to comply with the relevant jurisdictional requirements.

The ASSE 1044 working group, which developed this standard revision, was set up within the framework of the ASSE International Product Standards Committee.

Recognition is made of the time volunteered by members of the working group and of the support of manufacturers, who also participated in the meetings for this standard.

This standard does not imply ASSE International's endorsement of a product that conforms to these requirements. Compliance with this standard does not imply acceptance by any code body.

It is recommended that these trap seal primers be installed, consistent with local codes, by qualified and trained professionals.

This standard was promulgated in accordance with procedures developed by the American National Standards Institute (ANSI).

This edition of the standard was approved by the ASSE International Product Standards Committee on Nov. 13, 2014 and approved by the Board of Directors on March 4, 2015 as an ASSE standard.

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Table of Contents

Section I	1
1.0 General.....	1
1.1 Application.....	1
1.2 Scope	1
1.3 Reference Standards	2
Section II	4
2.0 Test Specimens	4
2.1 Samples Tested.....	4
2.2 Drawings	4
2.3 Rejection	4
Section III	5
3.0 Performance Requirements and Compliance Testing	5
3.1 Hydrostatic Test for Electric Type	5
3.2 Verification of Manufacturer's Performance Rating	5
3.3 Cycle Test for Electric Trap Seal Primer	6
Section IV	7
4.0 Detailed Requirements	7
4.1 Materials	7
4.2 Documentation	7
4.3 Markings.....	7
Section V	8
5.0 Definitions	8

Performance Requirements for Trap Seal Primer – Drainage Types and Electric Design Types

Section I

1.0 General

1.1 Application

Trap seal primers are primarily designed to supply water to floor drain traps that have infrequent use and in which water evaporation would allow sewer gas to enter the premises.

The trap seal primers covered by this standard are designed to supply water to a drain trap to provide and maintain its water seal by using a supply from a fixture drainline, ballcock, flushometer valve tailpiece or an electric trap seal primer. The rate of water flow to the trap shall be permitted to be fixed or adjustable.

1.2 Scope

1.2.1 Description

The trap seal primers are of four (4) types:

- a) Those that are installed on waste line tail pieces from fixtures, such as lavatories, sinks and similar fixtures where grease is not normally generated;
- b) Those that are used in conjunction with ballcock assemblies;
- c) Those that receive flow from flushometer valves; and
- d) Those electric trap seal primers that discharge water automatically and are upstream of the air gap or vacuum breaker.

1.2.2 Fixture Connected Type

Tubing size shall be not less than 1 ¼ NPS (32 DN) nominal size. Makeup water supply connection shall be a minimum of ¾ NPS (10 DN) nominal size.

1.2.3 Ballcock Connected Type

Makeup water supply connections to the refill tube shall not be less than ¼ NPS (8 DN) nominal size.

1.2.4 Flushometer Connected Type

Makeup type water supply connections shall be a minimum of ¾ NPS (10 DN) nominal size of chrome-plated copper, brass or stainless steel.

1.2.5 Electric Type

The minimum inlet size shall be ½ NPS (15 DN). The minimum outlet size shall be ¾ NPS (10 DN)

1.2.6 Working Pressure

Pressurized trap seal primers shall be designed for a working water pressure range of 25.0 to 125.0 psi (172 to 861.8 kPa).