

American Society of Sanitary Engineering

Performance Requirements for
**Trap Seal Primer
Devices - Drainage
Types and Electronic
Design Types**

An American National Standard

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American Society of Sanitary Engineering
Westlake, Ohio
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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.

For many years, the method of priming traps has been with the use of a water supply trap primer device which is activated with flow in the water supply piping. This method of priming utilizes primers which comply with ASSE 1018. This standard addresses alternate methods to ASSE 1018 Trap Primers, for this standard addresses trap primers utilizing electronic design and drainage-type trap primer devices.

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

This standard does not imply ASSE's endorsement of a product which conforms to these requirements.

Compliance with this standard does not imply acceptance by any code body.

It is recommended that these devices 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).

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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	3
Section II	4
2.0 Test Specimens	4
2.1 Samples Submitted	4
2.2 Samples Tested	4
2.3 Drawings	4
2.4 Rejection	4
Section III	5
3.0 Performance Requirements and Compliance Testing	5
3.1 Hydrostatic Test for Ballcock, Flushometer and Fixture Tailpiece Devices	5
3.2 Electronic Devices	5
3.3 Verification of Manufacturer's Performance Rating	5
3.4 Cycle Test for Electronic Devices	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 Devices - Drainage Types and Electronic Design Types

Section I

1.0 General

1.1 Application

Devices covered by this performance standard are designed primarily to supply water to floor drain traps which have infrequent use and in which water evaporation would allow sewer gas to enter the premises.

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

1.2 Scope

1.2.1 Description

The devices are of four (4) types:

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

1.2.2 Fixture Connected Devices

Tubing size shall be not less than 32 DN (1-1/4 NPT) nominal size. Makeup water supply connection shall be minimum of 10 DN (3/8 NPT) nominal size.

1.2.3 Ballcock Connected Devices

Makeup water supply connections to the refill tube shall not be less than 6 DN (1/4 NPT) nominal size.

1.2.4 Flushometer Connected Devices

Makeup type water supply connections shall be a minimum of 10 DN (3/8 NPT) nominal size.

1.2.5 Electronic Devices

The minimum inlet size shall be 15 DN (1/2 NPT). The minimum outlet size shall be 10 DN (3/8 NPT).