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ASSE International

Performance Requirements for

Plumbing Aspects of Residential Food Waste Disposer Units

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. ASSE International considers product performance standards to be of great value in the development of improved plumbing systems.

The development of this product performance standard was prompted by awareness that public health can be affected by the connection of domestic appliances to the domestic water supply and sanitary drainage systems.

This standard provides a basis for evaluating the adequacy of appliance design and performance to ensure sanitary conditions and to protect the public from health hazards that could result from improper design or manufacture.

The performance criteria presented are based on broad field experience and extensive engineering research on the protection of the potable water supply and safe discharge of wastes into the sanitary plumbing system. Engineers and technicians representing manufacturers, public health officials, plumbing contractors, inspection agencies, and plumbing testing laboratories contributed the technical expertise and experience necessary to develop a meaningful and scientifically sound evaluation method that takes into account conditions that could adversely affect the sanitary performance of these appliances.

The working group that developed this standard was set up within the framework of the Product Standards Committee of ASSE International.

Recognition is made of the time volunteered by members of this working group and of the support of manufacturers who also participated in 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 devices be installed consistent with local codes by qualified and trained professionals.

This standard was promulgated in accordance with the ASSE Procedures for Standards Development, as approved by the American National Standards Institute (ANSI).

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Performance Requirements for Plumbing Aspects of Residential Food Waste Disposer Units

Section I

1.0 General

1.1 Application

This standard applies to the plumbing aspects of residential food waste disposers (herein referred to as the “devices”) intended primarily for installation in the residential kitchen sink outlet. When supplied with water from the sink supply faucet, these devices discharge into the sanitary drainage system.

1.2 Scope

1.2.1 Description

These devices shall be designed to reduce food waste particle sizes for discharging into the sanitary drainage system. Devices shall include a means of self-cleaning and means to protect against mechanical shock. When a dishwasher discharge connection(s) is incorporated in the device, the device shall be designed so that if the discharge connection becomes blocked, backflow into the dishwasher shall not occur.

1.2.2 Connections

The device shall be designed for the installation for which it is intended. The terminal outlet of the device shall be 1.5 in (40 mm) nominal tube size.

1.2.3 Electrical Requirements

Product shall comply with the appropriate requirements of UL 430 or CSA C22.2 No. 68.

1.2.4 Mounting Means

A durable, cleanable, leakproof mounting to the sink shall be provided with the device.

1.2.5 Feed Hopper Closure/Splash Guard

The device shall include a means to minimize the ejection of food waste through the feed opening.

1.3 Reference Documents

Referenced industry standards shall be to the revision stated below.

- ASTM E11-2017, *Woven Wire Test Sieve Cloth and Test Sieves*
- CSA C22.2 No. 68-18, *Motor-operated appliances (household and commercial)*
- UL 430-2015, *Waste Disposers*
- UL 969-2017, *Marking and Labeling Systems*