

American Society of Sanitary Engineering

Performance Requirements for

Commercial Food Waste Grinder Units

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It is recommended that all devices designed for plumbing systems, especially those which pertain to public health and safety, should be installed consistent with local codes by qualified and trained professionals.

American Society of Sanitary Engineering
Bay Village, Ohio
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Foreword

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

This Standard provides a basis for evaluating adequate appliance design and performance to insure sanitary conditions and to protect the public from unreasonable health hazards both inside and outside the home.

The performance criteria presented are based on extensive engineering research and broad field experience on protection of the potable water supply and safe discharges 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 of the conditions affecting the sanitary performance of these appliances.

The draft of this Standard was presented to the A.S.S.E. Product Standards Committee during their regular meeting in Las Vegas of 1989. The Committee acted to recommend adoption of this Standard to the A.S.S.E. Board of Directors, and the Board approved the Standard to become effective January 1990.

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Commercial Food Waste Grinder Units

Section I

1.0 Scope, Purpose, and General Requirements

1.1 Scope

This standard applies to food waste grinders designed and intended for use in food establishments, supplied with water and which discharges waste into a plumbing drainage system.

1.2 Purpose

This standard is intended to indicate the criteria for performance of the commercial food waste grinders.

Note: Commercial food waste grinder units are furnished in several distinct types; and the criteria in this standard are applicable to all types.

1.3 General Requirements

The food waste grinder shall be furnished with a durable, cleanable, leakproof mounting where applicable.

1.3.1 Flushing of the Hopper

Through normal operation, agitation shall occur to flush the interior surfaces of the hopper or reduction chamber when the unit is supplied with water at the minimum rate recommended by the manufacturer.

1.3.2 Food Waste from Hopper Inlet

The food waste grinder shall include a means to minimize the ejection of food waste from the hopper inlet.

1.3.3 Labeling

The food waste grinder shall legibly display the manufacturers name or trademark and model designation.

1.3.4 Vibration

The food waste grinder shall be designed to insure that no hazardous vibration or torque be transmitted to the plumbing system of the building.

1.3.5 Applicable Standards

The food waste grinder shall comply with U.S. Safety Standard #430 in all sections which are applicable to Commercial Food Waste Grinder Units.