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Australian Standard[®]

**PERFORMANCE OF HOUSEHOLD
FOOD WASTE DISPOSAL UNITS**

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The following scientific, industrial, governmental and consumer organizations and departments were officially represented on the committee entrusted with the preparation of this standard:

Australian Electrical and Electronics Manufacturers Association
Australian Consumers Association
Australian Federation of Consumer Organizations
Confederation of Australian Industry
Department of Housing and Construction
Department of Consumer Affairs, N.S.W.
Electrical Contractors Association of Australia
Electricity Supply Association of Australia
Housing Commission of N.S.W.
Health Commission of N.S.W.
Metropolitan Water Sewerage and Drainage Board, Sydney
Melbourne and Metropolitan Board of Works
The Engineering and Water Supply Department, South Australia

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FOOD WASTE DISPOSAL UNITS**

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PREFACE

This standard was prepared by the Association's Committee on Quality and Performance of Household Electrical Appliances. It applies only to food waste disposal units intended for installation in household premises.

In the preparation of the standard, consideration was given to American National Standards A197.4, Performance Evaluation Procedure for Household Food Waste Disposers, and A197.3, Plumbing Requirements for Household Food Waste Disposer Units, and acknowledgment is made of the assistance received therefrom. Consideration was also given to the plumbing requirements set by the various State statutory authorities.

In the application of this standard reference may be necessary to the following Australian standards.

AS 1152	Test Sieves
AS 1415	Unplasticized PVC (UPVC) Pipes and Fittings for Soil, Waste and Vent (SWV) Applications Part 1 – Pipes
AS 1449	Wrought Alloy Steels – Stainless and Heat-resisting Steel Plate, Sheet and Strip
AS 1722	Pipe Threads of Whitworth Form Part 1 – Sealing Pipe Threads
AS 1756	Stainless Steel Sinks (With and Without Drainers)
AS 2202	Code of Practice for the Provision of Warranties/ Guarantees for Household Goods
AS 3115	Approval and Test Specification for Motor-operated Appliances
AS A162	Plastics Waste Traps*

* In course of revision.

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STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard

for

PERFORMANCE OF HOUSEHOLD FOOD WASTE DISPOSAL UNITS

SECTION 1. SCOPE AND GENERAL

1.1 SCOPE. This standard specifies requirements for food waste disposal units for household use, intended to be permanently fitted in the outlet of a sink and in which the food waste is shredded by mechanical action into pieces and flushed down a household drain. It applies only to those units intended to be connected to a single-phase a.c. supply at voltages not exceeding 250 V.

NOTE: Food waste includes all perishable food waste but does not include packaging materials such as cans and bottles.

1.2 OBJECT. The object of this standard is -

- (a) to state and define the principal performance characteristics of household food waste disposal units;
- (b) to describe the standard methods for measuring these characteristics;
- (c) to specify performance levels for these characteristics; and
- (d) to specify any other requirements which will ensure that a household food waste disposal unit will be a satisfactory appliance.

1.3 ELECTRICAL SAFETY REQUIREMENTS. This standard does not include the electrical safety requirements which must be observed to secure approval for connection or sale of food waste disposal units. A food waste disposal unit shall, in addition to complying with this standard, comply with the requirements of AS 3115.

1.4 REQUIREMENTS OF STATUTORY AUTHORITIES. Attention is drawn to any special requirements of the statutory bodies controlling approvals for water and sewerage.

1.5 DEFINITIONS. For the purposes of this standard, the following definitions apply.

1.5.1 Food waste disposal unit - an electrical appliance in which food waste is shredded into pieces small enough to be flushed into the household plumbing drainage system (hereinafter called 'disposal unit').

1.5.2 Continuous feed disposal unit - a disposal unit in which the food waste can be fed into the hopper while the grinder is in operation.

1.5.3 Batch feed disposal unit - a disposal unit, so interlocked that the food waste can be fed into the hopper only when the grinder is not in operation.

1.5.4 Grinding chamber (hopper) - the space or cavity within the disposal unit which receives and contains food waste prior to and during the shredding process.

1.5.5 Grind or shredding ring - a stationary circular ring with projections, which is located in the lower area of the grinding chamber and against which the food waste is shredded or pulverized by abrasive or grinding operation.

1.5.6 Grind or shredder disc - a rotating plate at the bottom of the grinding chamber which impels food waste by centrifugal force against the side walls of the grind ring.

1.5.7 Splash guard - a device, made of flexible material, placed at the opening of a continuous feed disposal unit and designed to prevent the ejection of waste from the opening.

1.5.8 Dishwasher discharge connection - an opening to permit the discharge from a household electric dishwasher to be drained into the disposal unit.

1.5.9 Waste outlet - an outlet through which the waste material is discharged.

1.5.10 Sink flange - the flange which connects the unit to the sink.

1.5.11 Starting jam - a jam that inhibits the operation of the disposal unit from the initial application of power.

1.5.12 Running jam - a jam that occurs whilst the disposal unit is operating and which inhibits further operation.

1.5.13 Tape tests - tests required to be made by the manufacturer to demonstrate that the performance of a disposal unit will meet the requirements of this standard. These tests are of such a nature that, after they have been made, they need not be repeated, unless changes are made in the disposal unit materials or design which might change the performance characteristics.