
American National Standard *Household Electric Dishwashers*

AHAM DW-1-1992



PREFACE

The Association of Home Appliance Manufacturers develops standards in accordance with AHAM's "Policy and Procedures Governing Technical Standards" which states:

"AHAM Standards shall be in the best interest, mutually, of consumers who use appliances, the industries which provide and service appliances, and other interested parties. They shall relate to actual use conditions, be technically and scientifically sound."

Use or observance of AHAM standards is voluntary.

This standard contains test procedures which may be applied to any brand or model of household electric dishwashers. Results of tests in accordance with this standard may be publicly stated.

Recommended levels of performance which are considered important to include but which, necessarily, are recommendations only.

With regard to safety, AHAM recommends that all appliance products --both major and portable -- manufactured or marketed in the United States be submitted to an appropriate independent laboratory such as Underwriters Laboratories Inc., or the American Gas Association Laboratories, Inc., for inspection and listing in conformance with the safety standards and procedures followed by such laboratories. The relevant standard for dishwashers is ANSI/UL 749, "Standard for Safety, Household Dishwashers".

AHAM welcomes comments and suggestions regarding this standard. Any standard may be reviewed and improved as needed. Any interested party, at any time, may request a change in an AHAM standard. Such request should be addressed to AHAM's president, and should be accompanied by a statement of reason for the request and a suggested alternate proposal.

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1. PURPOSE

This standard establishes uniform, repeatable procedures or standard methods for measuring specified product characteristics of household electric dishwashers.

The standard methods provide means to compare and evaluate different brands and models of household electric dishwashers regarding characteristics significant to product use.

The standard methods and the recommended levels of performance are not intended to inhibit improvement and innovation in product testing, design or performance.

2. SCOPE

2.1 This standard only applies to automatic and non-automatic household dishwashers as defined in 3.7.3.

2.2 This standard includes definitions, methods for testing and evaluating performance, reference to testing for safety and sanitation and methods of testing and recommended levels for inlet and drain tubing of household electric dishwashers of the types indicated. The standard also includes requirements for the dishwasher drain connection to a food waste disposer and references to energy and water consumption measurement methods.

3. DEFINITIONS

3.1 Air Gap

3.1.1 Inlet Air Gap. A break in the inlet plumbing to a dishwasher which, by venting to the atmosphere prevents reverse flow from the dishwasher to the house water supply.

3.1.2 Drain Air Gap. A break in the drain plumbing from a dishwasher which, by venting to the atmosphere prevents reverse flow from the house drain plumbing to the dishwasher.

3.2 Coupler.

A device used to connect a portable dishwasher inlet hose to a faucet. It may also position the drain line from the dishwasher over the sink bowl.

3.3 Cycle.

A sequence of operations of a dishwasher which performs a complete dishwashing function. This may include any combination of washing, rinsing or drying operations.

3.4 Detergent.

A cleaning agent in powder, granular or liquid form manufactured for use in household electric dishwashers to aid in the removal of food soils by chemical means. (See Appendix A for source.)