



Standard Specification for Dispensers, Powdered Iced Tea¹

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1. Scope

1.1 This specification covers counter model, self-contained powdered iced tea dispensers.

1.2 The dispenser delivered under this specification shall be the manufacturer's standard product. Each dispenser model furnished by a particular manufacturer under this specification, including parts and assemblies thereof, shall be new and interchangeable.

1.3 The values stated in inch-pound units are to be regarded as the standard. The SI units in parentheses are given for information only.

1.4 The following safety hazards caveat pertains only to the test methods portion, Section 11, of this specification: *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 ASTM Standards:

D 3951 Practice for Commercial Packaging²

F 760 Specification for Food Service Equipment Manuals³

F 1166 Practice for Human Engineering Design for Marine Systems, Equipment and Facilities⁴

2.2 ANSI/National Safe Transit Association Standard:

ANSI/NSTA Pre-Shipment Test Procedures⁵

2.3 National Sanitation Foundation Standards:

NSF No. 18 Manual Food and Beverage Dispensing Equipment⁶

NSF No. 51 Plastic Materials and Components Used in Food Equipment⁶

2.4 ANSI/Underwriters Laboratories Standard:

ANSI/UL Standard No. 73 Food Preparing Machines⁷

2.5 American National Standards Institute Standard:

ANSI Z 1.4 Sampling Procedures and Tables for Inspection by Attributes⁸

2.6 Military Standards:

MIL-STD-1399/300 Interface Standard for Shipboard Systems Section 300A Electric Power, Alternating Current⁹

MIL-STD-167/1 Mechanical Vibrations of Shipboard Equipment (Type I—Environmental and Type II—Internally Excited)⁹

MIL-STD-461 Requirements for the Control of Electromagnetic Interference⁹

MIL-STD-462 Electromagnetic Interference Characteristics, Measurement of⁹

3. Terminology

3.1 Definitions of Terms Specific to This Standard:

3.1.1 *tea dispenser, n*—commercial appliance designed to deliver a portion of tea, usually mixed with unrefrigerated tap water and dispensed into a container with ice.

3.1.2 *throw, n*—a quantity of powdered tea concentrate dispensed into a container with ice.

4. Classification

4.1 *Types*—The tea dispensers covered by this specification shall be of two types, each working with a powdered concentrate that is mixed with potable tap water to give a finished drink.

4.1.1 *Type I*—Tea dispenser designed to work with pure tea and set to dispense 1 to 2 g of concentrate per 235 mL (8 oz) of water. The dispenser is designed to be connected to a water line and have a nominal electrical rating of 115 V, single phase, 60 Hz.

4.1.2 *Type II*—Tea dispenser designed to dispense a sugared tea which may or may not be flavored, in the range of 10 to 20 g of product per 235 mL (8 oz) of water. The dispenser is designed to be connected to a water line and have a nominal electrical rating of 115 V, single phase, 60 Hz.

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² *Annual Book of ASTM Standards*, Vol 15.09.

³ *Annual Book of ASTM Standards*, Vol 15.07.

⁴ *Annual Book of ASTM Standards*, Vol 01.07.

⁵ Available from National Safe Transit Association, 6022 West Touhy Ave., Chicago, IL 60648.

⁶ Available from National Sanitation Foundation, 3475 Plymouth Rd., Ann Arbor, MI 48105.

⁷ Available from the Underwriters Laboratories Inc., 1655 Scott Blvd., Santa Clara, CA 95050; 333 Pfingsten Rd., Northbrook, IL 60062; 1285 Walt Whitman Rd., Melville, Long Island, NY 11746; or 2602 Tampa East Blvd., Tampa, FL 33619.

⁸ Available from American National Standards Institute, 11 W. 42nd St., 13th Floor, New York, NY 10036.

⁹ Available from Standardization Documents Order Desk, Bldg. 4, Section D, 700 Robbins Ave., Philadelphia, PA 19111-5094, Attn: NPODS.