



Designation: F 1114 – 94

Standard Specification for Heat Sanitizing Commercial Pot, Pan, and Utensil Station Rack Type Water-Driven Rotary Spray¹

This standard is issued under the fixed designation F 1114; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This specification covers manually fed, spray-type stationary rack, automatically controlled, water-driven rotary spray commercial pot, pan, and utensil washing machines, herein referred to as “the washer.”

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

1.3 The following safety hazards caveat pertains only to the test methods portion, Section 9, 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:

- A 167 Specification for Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and Strip²
- A 276 Specification for Stainless Steel Bars and Shapes²
- A 436 Specification for Austenitic Gray Iron Castings³
- A 554 Specification for Welded Stainless Steel Mechanical Tubing⁴
- A 582 Specification for Free-Machining Stainless Steel Bars²
- B 127 Specification for Nickel-Copper Alloy (UNS N04400) Plate, Sheet, and Strip⁵
- D 3951 Practice for Commercial Packaging⁶
- F 760 Specification for Food Service Equipment Manuals⁷
- F 1021 Specification for Feeders, Detergent, Rinse Agent, and Sanitizing Agent for Commercial Dishwashing and

Glasswashing Machines⁷

2.2 Federal Regulation:⁸

29 CFR, Part 1910 OSHA Regulations on Safety

2.3 NSF International Standards:⁹

NSF No. 26 Spray Type Pot, Pan, and Utensil Washing Machines

NSF No. 5 Commercial Hot Water Generating Equipment

NSF No. 14 Plastic Piping System Components and Related Materials

NSF No. 29 Detergent/Chemical Feeders for Commercial Spray-Type Dishwashing Machines

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

NSF Criteria C-2 Special Equipment and/or Devices

NSF Food Service Equipment Listing

2.4 Underwriters Laboratories Standard:¹⁰

UL No. 921 Commercial Electrical Dishwashers

2.5 American Society of Sanitary Engineering Standards:¹¹

ASSE No. 1001 Pipe Applied Atmospheric Vacuum Breakers

ASSE No. 1004 Dishwashers

3. Terminology

3.1 Definitions of Terms Specific to This Standard:

3.1.1 *commercial pot, pan, and utensil washing machines*—machines that uniformly wash, rinse, and heat-sanitize food preparation utensils. The machines are capable of removing physical soil from properly racked and pre-scraped items, and sanitizing multiple pots, pans, and utensils. The machines consist of the following principal parts: legs, wash chamber, hood tank, doors, spray assemblies, pumps, motors, controls, piping, valves, heating equipment, and accessories.

4. Classification

4.1 *General*—The washers shall be of the types, styles,

¹ This specification is under the jurisdiction of ASTM Committee F-26 on Food Service Equipment and is the direct responsibility of Subcommittee F26.01 on Cleaning and Sanitation Equipment.

Current edition approved May 15, 1994. Published July 1994. Originally published as F 1114 – 88. Last previous edition F 1114 – 93a.

² *Annual Book of ASTM Standards*, Vol 01.03.

³ *Annual Book of ASTM Standards*, Vol 01.02.

⁴ *Annual Book of ASTM Standards*, Vol 01.01.

⁵ *Annual Book of ASTM Standards*, Vol 02.04.

⁶ *Annual Book of ASTM Standards*, Vol 15.09.

⁷ *Annual Book of ASTM Standards*, Vol 15.07.

⁸ *Code of Federal Regulations*, available from Superintendent of Documents, Government Printing Office, Washington, DC 20402.

⁹ Available from the NSF International, P.O. Box 1468, Ann Arbor, MI 48106.

¹⁰ Available from Underwriters Laboratories, Inc., 333 Pfingsten Road, Northbrook, IL 60062.

¹¹ Available from American Society of Sanitary Engineering, P.O. Box 9712, Bay Village, OH 44140.