



Designation: F 917 – 91 (Reapproved 1998)

Standard Specification for Commercial Food Waste Disposers¹

This standard is issued under the fixed designation F 917; 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 commercial food waste disposers intended for the grinding of food waste.

2. Referenced Documents

2.1 ASTM Standards:

- A 29 Specification for Steel Bars, Carbon and Alloy, Hot-Wrought and Cold-Finished, General Requirements for²
- A 120 Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated (Galvanized) Welded and Seamless, for Ordinary Uses³
- A 167 Specification for Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and Strip⁴
- A 276 Specification for Stainless Steel Bars and Shapes⁴
- A 436 Specification for Austenitic Gray Iron Castings⁵
- A 532 Specification for Abrasion-Resistant Cast Irons⁵
- A 554 Specification for Welded Stainless Steel Mechanical Tubing⁶
- A 582 Specification for Free-Machining Stainless Steel Bars⁴
- A 681 Specification for Alloy Tool Steels²
- B 26 Specification for Aluminum-Alloy Sand Castings⁷
- B 43 Specification for Seamless Red Brass Pipe, Standard Sizes⁸
- B 75 Specification for Seamless Copper Tube⁸
- B 108 Specification for Aluminum-Alloy Permanent Mold Castings⁷
- D 2000 Classification System for Rubber Products in Automotive Applications⁹
- D 2287 Specification for Nonrigid Vinyl Chloride Polymer and Copolymer Molding and Extrusion Compounds¹⁰
- D 3951 Practice for Commercial Packaging¹¹

E 18 Test Methods for Rockwell Hardness and Rockwell Superficial Hardness of Metallic Materials¹²

E 1842 Test Method for Macro-Rockwell Hardness Testing of Metallic Materials¹²

F 104 Classification System for Nonmetallic Gasket Materials⁹

F 760 Specification for Food Service Equipment Manuals¹³

2.2 Other Publications:

- ASSE No. 1009 Commercial Food Waste Disposer Units¹⁴
- UL 430 Waste Disposers¹⁵

3. Terminology

3.1 Definition:

3.1.1 *commercial food waste disposer*—intended for grinding food waste into small particles which are then flushed by water into a sanitary sewer system. Food wastes can be cooked or noncooked soils from the preparation or serving of foods. Disposers are not intended to be used for grinding glass, china, metals, clam or oyster shells, large bones, wood, paper, cardboard, or plastic. A disposer shall consist of the following principal parts: Motor, grind chamber, flywheel, shredder ring, hopper, leg(s) (see 7.12).

4. Classification

4.1 Commercial disposers shall be of the following types:

4.1.1 *Type I*—Cone.

4.1.2 *Type II*—Sink.

4.1.3 *Type III*—Trough mounted.

4.1.4 *Type IV*—Free standing.

4.1.5 *Type V*—Special.

4.2 Horsepowers and drain sizes shall be as specified in Table 1.

5. Ordering Information

5.1 Purchasers should select the preferred options and include the following information in purchasing document:

5.1.1 Title, number, and date of this standard.

5.1.2 Type, horsepower, and drain size required (see Section 4).

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 Nov. 15, 1991. Published January 1992. Originally published as F 917 – 85. Last previous edition F 917 – 85.

² *Annual Book of ASTM Standards*, Vol 01.05.

³ Discontinued, see 1986 *Annual Book of ASTM Standards*, Vol 01.01.

⁴ *Annual Book of ASTM Standards*, Vol 01.03.

⁵ *Annual Book of ASTM Standards*, Vol 01.02.

⁶ *Annual Book of ASTM Standards*, Vol 01.01.

⁷ *Annual Book of ASTM Standards*, Vol 02.02.

⁸ *Annual Book of ASTM Standards*, Vol 02.01.

⁹ *Annual Book of ASTM Standards*, Vol 09.02.

¹⁰ *Annual Book of ASTM Standards*, Vol 08.01.

¹¹ *Annual Book of ASTM Standards*, Vol 15.09.

¹² *Annual Book of ASTM Standards*, Vol 03.01.

¹³ *Annual Book of ASTM Standards*, Vol 15.07.

¹⁴ Available from American Society of Sanitary Engineering, P. O. Box 9712, Bay Village, OH 44140.

¹⁵ Available from Underwriters Laboratories, Inc., 333 Pfingsten Road, Northbrook, IL 60062.