



Standard Specification for Portable Kerosene and Diesel Containers for Consumer Use¹

This standard is issued under the fixed designation F976; 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 establishes nationally recognized performance requirements common to both kerosene and diesel portable containers for reuse by the consumer. Only color and marking are differentiated. The test medium specified for chemical resistance is kerosene due to the more aggressive nature of kerosene on elastomers and other materials of construction.

1.2 This specification does not include single-trip pre-packaged containers.

1.3 This standard is not a fire risk assessment standard, or a fire test standard, but a specification for portable kerosene containers for consumer use.

1.4 The following precautionary caveat pertains only to the test method portion, Section 7, 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.* Additional precautionary information is given in Section 6.

2. Referenced Documents

2.1 ASTM Standards:²

- B117 Practice for Operating Salt Spray (Fog) Apparatus
- D471 Test Method for Rubber Property—Effect of Liquids
- D638 Test Method for Tensile Properties of Plastics
- D794 Practice for Determining Permanent Effect of Heat on Plastics (Withdrawn 1998)³
- D975 Specification for Diesel Fuel Oils

¹ This specification is under the jurisdiction of ASTM Committee F15 on Consumer Products and is the direct responsibility of Subcommittee F15.10 on Standards for Flammable Liquid Containers.

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² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

³ The last approved version of this historical standard is referenced on www.astm.org.

D999 Test Methods for Vibration Testing of Shipping Containers

D2561 Test Method for Environmental Stress-Crack Resistance of Blow-Molded Polyethylene Containers

D2565 Practice for Xenon-Arc Exposure of Plastics Intended for Outdoor Applications

D3435 Specification for Plastic Containers (Jerry Cans) for Petroleum Products (Withdrawn 1987)³

D3699 Specification for Kerosine

F926 Specification for Cautionary Labeling of Portable Kerosine and Diesel Containers for Consumer Use

F2234 Specification for Spill Resistant Fueling Systems for Portable Fuel Containers for Consumer Use

G23 Practice for Operating Light-Exposure Apparatus (Carbon-Arc Type) With and Without Water for Exposure of Nonmetallic Materials (Withdrawn 2000)³

2.2 ANSI Standard:

B71.1b1977 Supplement to Safety Specifications for Power Lawn Mowers, Lawn and Garden Tractors, and Lawn Tractors⁴

3. Terminology

3.1 Definitions of Terms Specific to This Standard:

3.1.1 *diesel, n*—a hydrocarbon mixture obtained from petroleum distillation with variations in pour point depending upon make up as specified in Specification D975.

3.1.2 *kerosene, n*—a hydrocarbon mixture obtained from petroleum distillation as specified in Specification D3699.

3.1.3 *portable kerosene/diesel containers, n*—vessels designed to be carried by hand and used to transport fuels from distribution point to use point.

3.1.4 *pouring vent, n*—the part of the container enabling free entry of air to replace the liquid being poured out.

3.1.5 *rated capacity, n*—the volume indicated on the container. It may also be termed nominal capacity or maximum filling level.

3.1.6 *spout, n*—a component through which the contents of the container can be dispensed.

⁴ Available from American National Standards Institute (ANSI), 25 W. 43rd St., 4th Floor, New York, NY 10036, <http://www.ansi.org>.