



Designation: F2509 – 12

Standard Specification for Field-assembled Anodeless Riser Kits for Use on Outside Diameter Controlled Polyethylene Gas Distribution Pipe and Tubing¹

This standard is issued under the fixed designation F2509; 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 requirements and test methods for field-assembled anodeless riser kits for use with outside diameter controlled polyethylene gas distribution pipe and tubing in sizes through 2 IPS as specified in specification [D2513](#).

1.2 The test methods described are not intended to be routine quality control tests.

1.3 This specification covers the types of field-assembled anodeless riser kits described in [3.3.2](#).

1.4 The values stated in inch-pound units are to be regarded as standard. The values given in parentheses are mathematical conversions to SI units that are provided for information only and not considered standard.

1.5 The text of this standard references notes and footnotes which provide explanatory material. These notes and footnotes (excluding those in tables and figures), shall not be considered as requirements of the standard.

1.6 *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 to determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 *ASTM Standards:*²

[A513](#) Specification for Electric-Resistance-Welded Carbon and Alloy Steel Mechanical Tubing

[A53/A53M](#) Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless

¹ This specification is under the jurisdiction of ASTM Committee [F17](#) on Plastic Piping Systems and is the direct responsibility of Subcommittee [F17.60](#) on Gas.

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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.

[D638](#) Test Method for Tensile Properties of Plastics
[D1600](#) Terminology for Abbreviated Terms Relating to Plastics

[D2513](#) Specification for Polyethylene (PE) Gas Pressure Pipe, Tubing, and Fittings

[F412](#) Terminology Relating to Plastic Piping Systems

[F1948](#) Specification for Metallic Mechanical Fittings for Use on Outside Diameter Controlled Thermoplastic Gas Distribution Pipe and Tubing

[F2897](#) Specification for Tracking and Traceability Encoding System of Natural Gas Distribution Components (Pipe, Tubing, Fittings, Valves, and Appurtenances)

2.2 *ASME Standards:*³

[ASME Boiler and Pressure Vessel Code](#)³

[ASME B1.20.1](#) Pipe Threads, General Purpose (Inch)⁴

[B31.8](#) Gas Transmission and Distribution Piping Systems

2.3 *Federal Regulations:*⁴

[United States CFR, Title 49, Part 192](#) Pipeline Safety Regulations

2.4 *UL Standard:*⁵

[UL 360](#) Standard for Liquid-Tight Flexible Steel Conduit

3. Terminology

3.1 The gas industry terminology used in this specification is in accordance with [ASME B31.8](#) or the United States CFR, Title 49, Part 192, unless otherwise indicated.

3.1.1 *pipe*—used herein refers to both “pipe” and “tubing” unless specifically stated otherwise.

3.1.2 *gas*—used herein refers to any fuel gas unless specifically stated otherwise.

3.2 *Definitions*—Definitions are in accordance with Terminology [F412](#) unless otherwise specified. Abbreviations are in accordance with Terminology [D1600](#) unless otherwise specified.

³ Available from American Society of Mechanical Engineers (ASME), ASME International Headquarters, Three Park Ave., New York, NY 10016-5990, http://www.asme.org.

⁴ Available from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

⁵ Available from Underwriters Laboratories (UL), 2600 N.W. Lake Rd., Camas, WA 98607-8542, http://www.ul.com.