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Standard Specification for Impervious Graphite Pipe and Threading¹

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1. Scope

1.1 This specification covers the standardization of the pipe sizes and types of threads used to join impervious graphite pipe and fittings. The thread standards may also be applied to impervious carbon pipe and fittings. It is limited to physical dimensions.

1.2 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

2. Terminology

2.1 Definitions:

¹ This specification is under the jurisdiction of ASTM Committee D02 on Petroleum Products, Liquid Fuels, and Lubricants and is the direct responsibility of Subcommittee D02.F0 on Manufactured Carbon and Graphite Products.

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2.1.1 *impervious carbon, n*—manufactured non-graphitized structural carbon that has been impregnated with a resinous material to make the final article impervious to liquids in the recommended operating range.

2.1.2 *impervious graphite, n*—manufactured graphite that has been impregnated with a resinous material to make the final article impervious to liquids in the recommended operating range.

3. Requirements for Impervious Graphite Pipe

3.1 The eight standard pipe sizes are shown in Table 1 with permissible variations in dimensions.

3.2 Fig. 1 gives the male thread dimensions for impervious graphite pipe.

3.3 Fig. 2 gives the female thread dimensions for impervious graphite fittings.

4. Keywords

4.1 impervious carbon pipe; impervious graphite pipe; threading specifications