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Standard Specification for Micro-Burets (Koch Style)¹

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1. Scope

1.1 This specification covers two styles of glass micro-burets of the “Koch” type for general laboratory use.

2. Referenced Documents

2.1 *ASTM Standards*:²

[E438 Specification for Glasses in Laboratory Apparatus](#)

[E675 Specification for Interchangeable Taper-Ground Stopcocks And Stoppers](#)

[E676 Specification for Interchangeable Taper-Ground Joints](#)

[E677 Specification for Interchangeable Spherical Ground Joints](#)

[E694 Specification for Laboratory Glass Volumetric Apparatus](#)

[E911 Specification for Glass Stopcocks with Polytetrafluoroethylene \(PTFE\) Plugs](#)

[E920 Specification for Commercially Packaged Laboratory Apparatus](#)

[E921 Specification for Export Packaged Laboratory Apparatus](#)

[E1133 Practice for Performance Testing of Packaged Laboratory Apparatus for United States Government Procurements](#)

[E1157 Specification for Sampling and Testing of Reusable Laboratory Glassware](#)

3. General Requirements

3.1 *Material*—Burets shall be made from Type I, Class A or B glass as specified in Specification [E438](#).

¹ This specification is under the jurisdiction of Committee [E41](#) on Laboratory Laboratory Apparatus and is the direct responsibility of Subcommittee [E41.01](#) on Apparatus.

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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.

3.2 *Stopcocks*—Both burets shall have permanently attached stopcocks with either glass plugs conforming to Specification [E675](#) or PTFE plugs conforming to Specification [E911](#).

3.3 *Joints and Stoppers*—All joints and stoppers shall comply with the requirements of Specifications [E675](#), [E676](#), or [E677](#).

3.4 *Graduation*—The graduated section shall be in compliance with Pattern I of Specification [E694](#).

4. Design

4.1 *Style I*:

4.1.1 Style I shall be in compliance with [Table 1](#) and [Fig. 1](#).

4.1.2 This style shall be equipped with a detachable tip with either a 7/25 joint or a SJ 12/5 joint.

4.1.3 Reservoir and graduated section shall be secured to each other to cushion against breakage during transit and in use. Typical arrangements are a cork spacer and tape or a glass bridge.

4.2 *Style II*:

4.2.1 Style II shall be in compliance with [Table 2](#) and [Fig. 2](#).

4.2.2 This style shall be equipped with a detachable tip of noble metals (platinum or platinum alloys) sealed to glass in a form commonly designated as Shohl-Type.

4.2.3 Reservoir section shall be separate from graduated section with connection made by a SJ 12/5 spherical ground joint complying with Specification [E677](#).

5. Sampling and Testing

5.1 See Specification [E1157](#).

6. Packaging

6.1 Select one from ASTM Standards: Specifications [E920](#), [E921](#), and Practice [E1133](#).

7. Keywords

7.1 buret; glass; Koch; laboratory; micro