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INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS

IAPMO GUIDE CRITERIA

FOR

COPPER ALLOY LEFT/RIGHT THREADED CONNECTORS

IAPMO IGC 268-2009

1. PURPOSE

- 1.1** The purpose of this standard is to establish a generally acceptable standard for producers, distributors, architects, engineers, contractors, inspectors and users; to promote understanding regarding materials, manufacture, and installation; and to provide for identifying Copper Alloy Left/Right Threaded Connectors.
- 1.2** The provisions of this standard are not intended to prevent the use of any alternate material, method of construction, or design, provided the use of any such alternate meets the intent of this standard.

2. SCOPE

- 2.1** This standard serves as a supplement to ASME B16.22. This standard addresses end connections requirements that are not covered by the current version of ASME B16.22 standard.

3. REFERENCED STANDARDS

- 3.1** All standards referenced herein shall be the current edition of that standard.

ASME B1.20.1	Pipe Threads, General Purpose (Inch)
ASME B16.22	Wrought Copper and Copper Alloy Solder-Joint Pressure Fittings
ASTM B 88	Seamless Copper Water Tube
NSF/ANSI 61	Drinking Water System Components – Health Effects

4. GENERAL REQUIREMENTS

- 4.1 Connectors.** Copper alloy connectors shall comply with the applicable requirements in ASME B16.22.

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4.2 End Connections.

4.2.1 Threaded. Fitting threads, right-hand or left-hand, shall comply with ASME B1.20.1

4.2.2 Sweat End Connections. Sweat end connections shall be able to accept standard copper tubing complying with ASTM B 88.

4.2.3 Alternate Connections. Alternate connections methods not specified herein shall be in accordance with a nationally recognized standard.

4.3 Toxicity. All materials that come in contact with potable water shall comply with NSF/ANSI 61.

5. TESTING REQUIREMENTS

5.1 Sample shall be tested in accordance with the Test Requirements in ASME B16.22.

5.1.1 Performance Requirements. The test sample shall meet all the requirements within in ASME B16.22.

6. IDENTIFICATION AND MARKING

6.1 Fittings shall comply with the marking requirements in ASME B16.22.

6.2 Fittings which include left-hand threads shall have end marked with "LH".

Adopted: March 2009