

**INTERNATIONAL ASSOCIATION OF PLUMBING
AND MECHANICAL OFFICIALS**

**IAPMO GUIDE CRITERIA
FOR**

BALL VALVES

IAPMO IGC 157- 2006

1 PURPOSE

- 1.1** The purpose of this standard is to establish an acceptable standard for ball valves for use in hot and cold water systems, steam systems, or fuel gas systems inside or outside of a building. This standard is not intended for manually operated gas valves for appliances, appliance connector valves and hose end valves. Its purpose is to serve as a guide for producers, distributors, architects, engineers, contractors, installers, inspectors and users; to promote understanding regarding materials, manufacture, and installation; and to provide a means for identifying ball valves that comply with this standard.
- 1.2** The provisions of this standard are not intended to prevent the use of any alternate material or method of construction, provided any such alternate meets the intent and requirements of this document and changes are amended to this standard.

2. SCOPE

- 2.1** This standard covers materials, testing, dimensional, and performance requirements for ball valves in sizes 1/8 through 4 (valve size equates to nominal pipe size in inches).

3. REFERENCED STANDARDS

- 3.1** All standards referenced herein shall be the current edition of that standard.
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| ASTM A 694 | Carbon and Alloy Steel Forgings for Pipe Flanges, Fittings, Valves, and Parts for High-Pressure Transmission Service |
| ASTM A 959 | Specifying Harmonized Standard Grade Compositions for Wrought Stainless Steels |
| ASME B1.20.1 | Pipe Threads, General Purpose (Inch) |
| ASME B16.18 | Cast Copper Alloy Solder Joint Pressure Fittings |
| ASME B16.22 | Wrought Copper and Copper Alloy Solder Joint Pressure Fittings |
| ASTM B 62 | Composition Bronze or Ounce metal Castings |