

**INTERNATIONAL ASSOCIATION OF PLUMBING
AND MECHANICAL OFFICIALS**

INTERIM GUIDE CRITERIA

FOR

**WATER MIXING SYSTEMS for
EMERGENCY SHOWERS and EYEWASHES**

IAPMO IGC 179-2002

1. PURPOSE

- 1.1** The purpose of this standard is to establish a generally accepted standard for any water mixing system that delivers tempered water to emergency showers and eyewashes. It also serves as a guide for distributors, architects, engineers, contractors, installers, inspectors and users to promote understanding of performance and safety features.
- 1.2** The provisions of this standard are not intended to prevent the use of any alternate method of construction provided any such alternate meets the intent of this standard.

2. SCOPE

- 2.1** This standard references the ANSI standard Z358.1 that stipulates the delivered flushing fluid to safety equipment shall be tepid.
- 2.2** This standard covers the minimum standards for performance of the mixing valve when operating a safety shower or eyewash, and to establish the testing requirements for the performance of the mixing valve station.

3. REFERENCE STANDARDS

- 3.1** The standards referenced herein shall be the current edition of the standards, as published in Table 14-1 of the Uniform Plumbing Code.

ANSI Z358.1	Emergency Eyewash and Shower Equipment
ASME B16.18	Cast Copper Alloy Solder Joint Pressure Fittings
ASME B16.22	Wrought Copper and Copper Alloy Solder Joint Pressure Fittings
ASSE 1017	Temperature Actuated Mixing Valves for Hot Water Distribution Systems
ASTM A 351	Castings, Austenitic, Austenitic-Ferritic (Duplex), for Pressure-Containing Parts
ASTM B 13	Seamless Copper Boiler Tubes
ASTM B 16	Free-Cutting Brass Rod, Bar and Shapes for Use in Screw Machines
ASTM B 32	Solder Metal
ASTM B 88	Seamless Copper Water Tube