

**INTERNATIONAL ASSOCIATION OF PLUMBING
AND MECHANICAL OFFICIALS**

IAPMO GUIDE CRITERIA

FOR

AUTOMATIC HAIR WASHERS

IAPMO IGC 182 - 2003 (R2014)

1. PURPOSE

- 1.1** The purpose of this standard is to establish a generally acceptable standard for automatic hair washers (shampoo). Its purpose is to serve as a guide for producers, distributors, architects, engineers, contractors, installers, inspectors, and users; to promote understanding regarding materials, manufacture, installation and performance; and to provide a means for identifying for automatic hair washers that comply with this standard.
- 1.2** The provisions of this standard are not intended to prevent any alternate material or method of construction, provided any such alternate meets the intent of this standard.

2. SCOPE

- 2.1** This standard covers definitions, reference standards, general requirements, performance requirements and markings and identification.

3. DEFINITIONS

- 3.1** **An automatic hair washer (shampoo)** consist of a sink, an electronic control, sink faucet with hot and cold water supply, shampoo and conditioner dispenser/injector system, hood, shower head, spray nozzles, and drainage/waste fittings.
- 3.2** **Backflow Prevention Device.** A device or means to protect backflow into the potable water system.
- 3.3** **Flood Level.** The lowest point in the receptacle from which water overflows.

4. REFERENCE STANDARDS

- 4.1** All standards referenced herein shall be the current edition of that standard as published in Table 14-1 of the Uniform Plumbing Code.

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ANSI Z 124.3	Plastic Lavatories
ASSE 1013	Reduced Pressure Principle Backflow Preventers and Reduced Pressure Fire Protection Principle Backflow Preventers
ASME A112.18.1	Plumbing Fixtures Fittings
ASME A112.18.6	Flexible Water Connectors
ASME A112.19.1	Enameled Cast Iron Fixtures
ASME A112.19.2	Vitreous China Plumbing Fixtures
ASME A112.19.9	Non-Vitreous Ceramic Plumbing Fixtures

5. GENERAL REQUIREMENTS

- 5.1 Shampoo Sink.** The sink shall meet the applicable requirements of one of the following standards:
Plastic - ANSI Z 124.3
Vitreous China – ASME A112.19.2
Non-Vitreous Ceramic – ASME A112.19.9
Enamel Cast Iron – ASME A112.19.1
Stainless Steel – ASME A112.19.3
- 5.2 Fixture Fittings.** The fixture fittings (sink faucets, showerheads, spray nozzles) shall meet the requirements of ASME A112.18.1.
Note: Backflow prevention device(s) and thermostatic mixer are covered in ASME A112.18.1.
- 5.3 Waste Connections.** The waste connection of the automatic hair washer shall be designed to be installed in one or more of the following ways:
- 5.3.1 Indirect Waste.** The waste shall be connected as an indirect waste to a floor drain adjacent to the unit.
- 5.3.2 P- traps.** The waste shall be connected to the building DWV system using a rigid or flexible p-trap.
- 5.3.2.1 Rigid P-traps.** Rigid P-traps shall comply with requirements of the Uniform Plumbing Code.
- 5.4 Flexible Waste System.**
- 5.4.1 Materials.** The materials used in the construction of the flexible waste system shall be either plastic or elastomeric and shall comply with the requirements of Section 6.3.
- 5.4.2 Drain Tube.** The inside wall of the flexible drain tube shall be smooth and uniform.
- 5.5 Backflow Prevention Device.** All water supplies to the automatic hair washer shall be protected with a reduced pressure zone (RPZ) backflow preventer complying with the requirements of ASSE 1013.

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