ASME A112.19.12-2014
[Revision of ASME A112.19.12-2006 (R2011)]

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Wall Mounted, Pedestal Mounted, Adjustable, Elevating, Tilting, and Pivoting Lavatory, Sink, and Shampoo Bowl Carrier Systems and Drain Waste Systems

AN AMERICAN NATIONAL STANDARD

The American Society of Mechanical Engineers

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Two Park Avenue • New York, NY • 10016 USA

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FOREWORD

In 1990, the Americans With Disabilities Act passed in Congress. This Act was intended to increase the accessibility of building elements to those who have limitations in physical ability. As a result of the technological response to the need for greater adaptability of plumbing components for accessibility purposes, this Standard and others are being prepared by ASME Standards Committee A112, Standardization of Plumbing Materials and Equipment.

This Standard relates to performance requirements for wall mounted, pedestal mounted, adjustable, elevating, tilting, and pivoting lavatory, sink, and shampoo bowl carrier systems and drain waste systems. Such systems allow the user to adjust the location of a lavatory, shampoo bowl, or sink upwards and downwards. Some products also adjust from side to side and/or front to back in order to maximize the ease of use of the fixture. Some products also pivot or tilt to allow greater ease of fixture use. The performance tests within this Standard were determined to be commensurate with normal fixture use.

The original Standard and the current revisions were based on standards that were developed by two ad hoc committees of the International Association of Plumbing and Mechanical Officials (IAPMO). The proposed standards were subsequently referred to the ASME A112 Standards Committee for development of an American National Standard.

This revision provides new and improved requirements, and test methods for elevating carrier systems, telescoping standpipe waste systems, elevating sinks, lavatories, and shampoo bowls for use by or with handicapped persons.

Suggestions for improvement of this Standard are welcome. They should be sent to The American Society of Mechanical Engineers; Attn: Secretary, A112 Standards Committee; Two Park Avenue; New York, NY 10016-5990.

This Standard was approved as an American National Standard on December 9, 2014.

ASME A112 COMMITTEE
Standardization of Plumbing Materials and Equipment

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General. ASME Standards are developed and maintained with the intent to represent the consensus of concerned interests. As such, users of this Standard may interact with the Committee by requesting interpretations, proposing revisions or a Case, and attending Committee meetings. Correspondence should be addressed to:

Secretary, A112 Standards Committee
The American Society of Mechanical Engineers
Two Park Avenue
New York, NY 10016-5990
http://go.asme.org/Inquiry

Proposing Revisions. Revisions are made periodically to the Standard to incorporate changes that appear necessary or desirable, as demonstrated by the experience gained from the application of the Standard. Approved revisions will be published periodically.

The Committee welcomes proposals for revisions to this Standard. Such proposals should be as specific as possible, citing the paragraph number(s), the proposed wording, and a detailed description of the reasons for the proposal, including any pertinent documentation.

Proposing a Case. Cases may be issued for the purpose of providing alternative rules when justified, to permit early implementation of an approved revision when the need is urgent, or to provide rules not covered by existing provisions. Cases are effective immediately upon ASME approval and shall be posted on the ASME Committee Web page.

Requests for Cases shall provide a Statement of Need and Background Information. The request should identify the Standard and the paragraph, figure, or table number(s), and be written as a Question and Reply in the same format as existing Cases. Requests for Cases should also indicate the applicable edition(s) of the Standard to which the proposed Case applies.

Interpretations. Upon request, the A112 Standards Committee will render an interpretation of any requirement of the Standard. Interpretations can only be rendered in response to a written request sent to the Secretary of the A112 Standards Committee at go.asme.org/Inquiry.

The request for an interpretation should be clear and unambiguous. It is further recommended that the inquirer submit his/her request in the following format:

Subject:	Cite the applicable paragraph number(s) and the topic of the inquiry.
Edition:	Cite the applicable edition of the Standard for which the interpretation is being requested.
Question:	Phrase the question as a request for an interpretation of a specific requirement suitable for general understanding and use, not as a request for an approval of a proprietary design or situation. The inquirer may also include any plans or drawings that are necessary to explain the question; however, they should not contain proprietary names or information.

Requests that are not in this format may be rewritten in the appropriate format by the Committee prior to being answered, which may inadvertently change the intent of the original request.

ASME procedures provide for reconsideration of any interpretation when or if additional information that might affect an interpretation is available. Further, persons aggrieved by an interpretation may appeal to the cognizant ASME Committee or Subcommittee. ASME does not "approve," "certify," "rate," or "endorse" any item, construction, proprietary device, or activity.

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WALL MOUNTED, PEDESTAL MOUNTED, ADJUSTABLE, ELEVATING, TILTING, AND PIVOTING LAVATORY, SINK, AND SHAMPOO BOWL CARRIER SYSTEMS AND DRAIN WASTE SYSTEMS

1 GENERAL

1.1 Scope

This Standard establishes physical requirements and tests addressing structural strength; adjustments; materials; drain line hydraulics; and mechanical, material, testing, marking, and documentation requirements for wall mounted and pedestal mounted, adjustable, elevating, tilting, and pivoting lavatory, sink, and shampoo bowl carrier systems and drain waste systems intended to facilitate use by individuals who are physically challenged.

The use of alternate materials or methods are permitted, provided the proposed material and method complies with the performance requirements and intent of this Standard.

1.2 Units of Measurement

Values are stated in U.S. Customary units and the International System of Units (SI). The U.S. Customary units shall be considered as the standard.

In this Standard, gallons (U.S. liquid) per minute is abbreviated as gpm.

1.3 Reference Standards

The following documents form a part of this Standard to the extent specified herein. The latest issue shall apply.

ASME A112.18.2/CSA B125.2, Plumbing Waste Fittings

ASME A112.18.6/CSA B125.6, Flexible Water Connectors

ASME A112.19.1/CSA B45.2, Enamelled Cast Iron and Enamelled Steel Plumbing Fixtures

ASME A112.19.2/CSA B45.1, Ceramic Plumbing Fixtures

ASME A112.19.3/CSA B45.4, Stainless Steel Plumbing Fixtures (Designed for Residential Use)

Publisher: The American Society of Mechanical Engineers (ASME), Two Park Avenue, New York, NY 10016-5900; Order Department: 22 Law Drive, P.O. Box 2900, Fairfield, NJ 07007-2900 (www.asme.org)

ASTM D2564, Solvent Cements for Poly (Vinyl Chloride) (PVC) Plastic Piping Systems

Publisher: ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 (www.astm.org)

CSA B45.5/IAPMO Z124, Plastic Plumbing Fixtures

Publisher: International Association of Plumbing and Mechanical Officials (IAPMO), 5001 East Philadelphia Street, Ontario, CA 91761 (www.iapmo.org)

Fed Spec RR-W-410, Wire Rope and Strand Mil Spec 20668 Terminal, Wire Rope, Swaging, Eye End

Publisher: Defense Printing Service Detachment Office, Building 4-D, 700 Robbins Avenue, Philadelphia, PA 19111-5094 (www.documentservices.dla.mil)

ICC/ANSI A117.1, Accessible and Usable Buildings and Facilities

Publisher: International Code Council (ICC), 500 New Jersey Avenue, NW, Washington, DC 20001 (www.iccsafe.org)

1.4 Definitions

each junction: the point (junction) at the top end of each pipe or section of pipe or tailpiece where a sealing method is used to make it watertight.

multiple stage: using three or more sizes of pipe or tubing, each one inside another, installed vertically to provide telescoping capabilities, with a sealing mechanism at the top of the lower or outer pipe and the top or bottom of each of the other pieces at the joining point between each of the pieces to make each junction watertight.

single stage: using two sizes of pipe or tubing, one inside the other, installed vertically to provide telescoping capablities, with a sealing mechanism at the top of the lower or outer pipe at the joining point between the two pieces to make the junction watertight.

2 GENERAL REQUIREMENTS

2.1 Adjustable, Elevating, Tilting, and Pivoting Lavatory, Sink, and Shampoo Bowl Carrier Systems

The adjustable, elevating, tilting, and pivoting lavatory, sink, and shampoo bowl carrier system shall consist of a wall mounted or pedestal mounted carrier with a height adjustment and/or a lateral adjustment mechanism and/or pivot or tilt adjustment, a lavatory or sink