



**Summary of Substantive Changes  
between the 2017 and the 2022 edition of  
ASME A112.19.3/CSA B45.4, Stainless Steel Plumbing Fixtures**

**Presented to the IAPMO Standards Review Committee on January 9, 2023**

**General:** The changes to this standard may have an impact on currently listed products. The substantive changes are:

- Revised requirements for flanges and factory supplied fittings in Section 4.8
- Revised requirements for installation instructions water closet specific and wall mounted fixtures in Section 6.5.3.1
- Update to current versions of the reference standards.
- Addition of overflow to definitions, Section 3.

**Section 1, Scope:**

1.2

*This Standard covers the following plumbing fixtures:*

- a) bathtubs;
- b) bidets;
- c) drinking fountains and water coolers;
- d) lavatories;
- e) shower bases;
- f) sinks:
  - i) ~~kitchen and~~ bar sinks;
  - ii) [clinic sinks](#);
  - iii) [kitchen sinks](#);
  - iv) laboratory sinks;
  - v) laundry sinks;
  - vi) service sinks; and
  - vii) utility sinks.
- g) urinals; and
- h) water closets.

**Section 2, Reference publications:**

**ASME (The American Society of Mechanical Engineers)/CSA Group**

ASME A112.18.1-~~2012~~[2018](#)/CSA B125.1-~~12~~[18](#)

Plumbing supply fittings

ASME A112.18.2-~~2015~~[2020](#)/CSA 8125.2:~~15~~[20](#)

Plumbing waste fittings

ASME A112.19.2-~~2013~~[2018](#)/CSA 845.1-~~13~~[18](#)

Ceramic plumbing fixtures

**CSA Group**

B125.3-~~12~~[18](#)

Plumbing fittings



B651-~~1218~~

Accessible design for the built environment

C22.2 No. 0.15-15([R2020](#))

Adhesive labels

ASTM International (American Society for Testing and Materials)

A240/A240M-~~1620a~~

Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications

**ICC/ANSI (International Code Council/American National Standards Institute)**

A117.1-~~2009~~[2017](#)

Accessible and Usable Buildings and Facilities

**UL (Underwriters Laboratories Inc.)**

969, (~~1995~~)[Edition 5](#)

Standard for Marking and Labeling Systems

**Section 3, Definitions: The following definition was added:**

*Overflow - a conduit that is integral or attached to a fixture and whose function is to remove liquid from a fixture after the fixture has been filled past the desired level.*

**Section 4, General Requirements:**

4.4 Waste fitting openings, drainage, and overflows

4.4.1 Waste fitting openings and drainage

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4.4.1.2

Except when proprietary (i.e., non-standard) waste fittings are provided by the manufacturer, the dimensions of waste outlets shall be as shown in [Figures 1a to 1f](#).

4.8.3 Flanges

[4.8.3.1](#)

Bathtubs and shower bases intended for installation against a wall shall incorporate a flange raised at least 8 mm (0.3 in) above the rim or threshold and comply with Clauses 4.8.3.3 to 4.8.3.5.

[4.8.3.2](#)

Shower bases intended for installation against and securing to a wall shall incorporate a continuously raised flange at least 25 mm (1.0 in) above the threshold and comply with Clauses 4.8.3.3 to 4.8.3.5.

[4.8.3.3](#)

The flange shall be

a) integral with the bathtub or shower base;

b) added to an island tub or shower base in the factory; or

c) field-installed using a flange kit that complies with [Clause 5.3](#) and includes all necessary parts and fasteners.

[4.8.3.4](#)

~~Fixtures~~ Bathtubs and shower bases using field-installed flanges shall be marked in accordance with [Clause 6.4](#).

~~Note: Flanges are also referred to as beads.~~

[4.8.3.5](#)



The bottom of any hole in the flange or corner treatment shall be not less than 8 mm (0.3 in) above the rim or threshold.

#### 4.8.4 Supply fittings

Factory-supplied supply fittings shall comply with ASME A112.18.1/CSA 8125.1.

### **Section 6, Markings, packaging, and installation instructions and other literature:**

#### **6.5.3 Installation instructions**

##### **6.5.3.1 General**

##### **6.5.3.1.1 Water closets**

*The manufacturer shall provide installation instructions with water closets (except for flushometer valve water closets).*

##### 6.5.3.1.2 Close-coupled water closets

*For close-coupled water closets, installation instructions shall be provided with the bowl or tank.*

##### 6.5.3.1.3 Wall-mounted fixtures

Wall-mounted fixtures shall include instructions for proper installation of the fixtures and minimum structural support requirements.

Figure 1 was separated into individual figures (See Figures 1a through 1e)- no changes to the dimensions.

Figure 1f was added "Waste outlet dimensions – Shower".