

**IAPMO IGC 424-202y**



**PUBLIC REVIEW DRAFT**

*Industry Standard for*  
**Non-plumbed hand washing stations**



# ***IAPMO Standard***

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# Preface

This is the first edition of IAPMO IGC 424, Non-plumbed Hand Washing Stations.

This Standard was developed by the IAPMO Standards Review Committee (SRC) in accordance with the policies and procedures regulating IAPMO industry standards development, Policy S-001, Standards Development Process. This Standard was approved as an IAPMO Industry Standard on mm/dd/2025.

## Notes:

- (1) *The use of the singular does not exclude the plural (and vice versa) when the sense allows.*
- (2) *The use of IAPMO Standards is completely voluntary; their existence does not in any respect preclude anyone, whether he has approved the standards or not, from manufacturing, marketing, purchasing, or using products, processes, or procedures not conforming to the standards.*
- (3) *This standard was developed using an open process and in accordance with IAPMO Standards Policy S-001, Standards Development Process, which is available on the IAPMO Standards website ([www.IAPMOstandards.org](http://www.IAPMOstandards.org)).*
- (4) *During its development, this Standard was made available for public review, thus providing an opportunity for additional input from stakeholders from industry, academia, regulatory agencies, and the public at large. Upon closing of public review, all comments received were duly considered and resolved by the IAPMO Standards Review Committee.*
- (5) *This Standard was developed in accordance with the principles of consensus, which is defined as substantial agreement; consensus implies much more than a simple majority, but not necessarily unanimity. It is consistent with this definition that a member of the IAPMO Standards Review Committee might not be in full agreement with all sections of this Standard.*
- (6) *Although the intended primary application of this Standard is stated in its scope, it is important to note that it remains the responsibility of the users of the Standard to judge its suitability for their particular purpose.*
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  - (a) *standard designation (number);*
  - (b) *relevant section, table, or figure number, as applicable;*
  - (c) *wording of the proposed change, tracking the changes between the original and the proposed wording; and*
  - (d) *rationale for the change.*
- (8) *Requests for interpretation should be clear and unambiguous. To submit a request for interpretation of this Standard, you may send the following information to the International Association of Plumbing and Mechanical Officials, Attention Standards Department, at [standards@IAPMOstandards.org](mailto:standards@IAPMOstandards.org) or, alternatively, at 4755 East Philadelphia Street, Ontario, California, 91761, and include "Request for interpretation" in the subject line:*
  - (a) *the edition of the standard for which the interpretation is being requested;*
  - (b) *the definition of the problem, making reference to the specific section and, when appropriate, an illustrative sketch explaining the question;*
  - (c) *an explanation of circumstances surrounding the actual field conditions; and*
  - (d) *the request for interpretation phrased in such a way that a "yes" or "no" answer will address the issue.*
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- (10) IAPMO does not take any position with respect to the validity of any patent rights asserted in connection with any items mentioned in this Standard and does not undertake to insure anyone utilizing this Standard against liability for infringement of any applicable patents, nor assumes any such liability. Users of this Standard are expressly advised that determination of the validity of any such patent rights, and the risk of infringement of such rights, are entirely their responsibility.*
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- (12) Proposals for amendments to this Standard will be processed in accordance with the standards-writing procedures of IAPMO industry standards development, Policy S-001, Standards Development Process.*

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# IAPMO IGC 424-202y

## Non-plumbed Hand Washing Stations

### **1 Scope**

#### **1.1 General**

This Standard covers non-plumbed hand washing stations intended for indoor, and outdoor applications, and specifies requirements for materials, construction, performance, testing, and markings.

#### **1.2 Terminology**

In this Standard,

- (a) “shall” is used to express a requirement, i.e., a provision that the user is obliged to satisfy to comply with the Standard;
- (b) “should” is used to express a recommendation, but not a requirement;
- (c) “may” is used to express an option or something permissible within the scope of the Standard; and
- (d) “can” is used to express a possibility or a capability.

Notes accompanying sections of the Standard do not specify requirements or alternative requirements; their purpose is to separate explanatory or informative material from the text. Notes to tables and figures are considered part of the table or figure and can be written as requirements.

#### **1.3 Units of Measurement**

SI units are the primary units of record in global commerce. In this Standard, the inch/pound units are shown in parentheses. The values stated in each measurement system are equivalent in application, but each unit system is to be used independently. All references to gallons are to U.S. gallons.

## 2 Reference Publications

This Standard refers to the following publications and, where such reference is made, it shall be to the current edition of those publications, including all amendments published thereto.

### **CSA Group (Canadian Standards Association)**

CSA B45.5/IAPMO Z124

Plastic Plumbing Fixtures

### **IAPMO (International Association of Plumbing and Mechanical Officials)**

CSA B45.5/IAPMO Z124

Plastic Plumbing Fixtures

IAPMO Z124.5

Plastic Toilet Seats

## 3 General Requirements

### 3.1 Operation

The device shall be designed such that operation of the device does not require grasping, pinching or turning of the hands. An example would be to initiate the flow of water with an elbow or forearm.

The device shall be such that the continuous flow of water does not require constant interaction of the user. (i.e. The water stays on when operated without any additional contact by the user).

### 3.2 Soap tray

The device shall be equipped with a soap tray or other means to hold soap.

## 4 Testing Requirements

### 4.1 Stain Resistance Test (Does not apply to non-customer interface surface/component)

The stain resistance test shall be performed in accordance with the requirements of Section 5.11, Stain Resistance Test of CSA B45.5/IAPMO Z124.

### 4.2 Colorfastness Test (Does not apply to non-customer interface surface/component)

The colorfastness test shall be performed in accordance with the requirements of Section 5.10, Colorfastness Test of CSA B45.5/IAPMO Z124.

### 4.3 Cleanability and Wear Tests (Does not apply to non-customer interface surface/component)

The cleanability test shall be performed in accordance with the requirements of Section 5.12, Cleanability Test of CSA B45.5/IAPMO Z124.

### 4.4 Burn Resistance Test

The burn resistance test shall be performed in accordance with the requirements of Section 7.2, Burn Resistance Test of IAPMO Z124.5.

*Note: this test can be performed on material sample coupons*



#### **4.5 Chemical Resistance Test**

The chemical resistance test shall be performed in accordance with the requirements of Section 5.15, of CSA B45.5/IAPMO Z124.

#### **4.6 Operational Load Test**

##### **4.6.1 Test Procedure**

The Operational Load Test for the handwash station shall be conducted as follows:

- (a) Install the device in accordance with the manufacturer's installation instructions.
- (b) A 45 N (10 lbf.) weight shall be suspended at the end of the operating lever perpendicular to the direction of motion for 5 minutes
- (c) Remove the weight and inspect for damage.

##### **4.6.2 Performance Requirements**

There shall be no visible cracks or permanent deformation of the specimen.

#### **4.7 Life Cycle Test**

##### **4.7.1 Test procedure**

- (a) Install the device in accordance with the manufacturer's installation instructions.
- (b) Activate the device open and closed not to exceed 5 lbf operating force
- (c) Cycle the device for 100,000 cycles
- (d) Inspect the device for damage and wear

##### **4.7.2 Performance Requirements**

During and after the test the device shall continue to function as it did at the beginning of the test and shall not develop any sustained leaks or defects that could adversely affect its functionality.

### **5 Markings and Accompanying Literature**

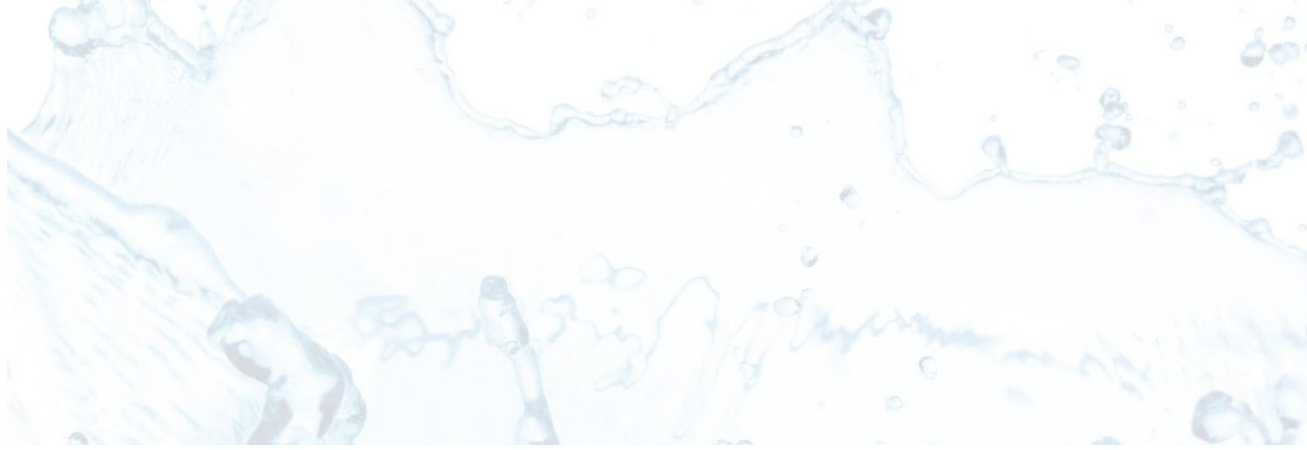
#### **5.1 Markings**

Non-plumbed hand washing stations complying with this Standard shall be marked with the:

- (a) manufacturer's name or trademark;
- (b) model number;
- (c) IAPMO standard designation (i.e., "IAPMO IGC 424")

#### **5.2 Permanency**

Markings shall be permanent, legible, or clearly listed under product page on manufacturer's website.



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