

ASSE/IAPMO/ANSI/CAN 1103-2024^{e1}



Performance Requirements for **Pilot Operated Water Pressure Reducing Valves for Potable Water**

ASSE Board Approved: July 2024

ANSI Approved: June 6, 2024

SCC Approved: July 17, 2024

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Foreword

This foreword shall not be considered a part of the standard. However, it is offered to provide background information.

ASSE International considers product performance standards to be of great value in the development of improved plumbing systems. ASSE standards are developed in the interest of consumer safety.

The working group that developed this standard was set up within the framework of the ASSE International Product Standards Committee.

A need was expressed for this standard for pilot operated water pressure reducing valves. It was developed by a sub- committee of the ASSE Standards Committee using ANSI/AWWA C530 as a base, which was originally created by a group that included the major manufacturers of this class of product.

Testing procedures and test equipment diagrams have been added to this basic standard to enable uniform testing by testing agencies with adequate facilities and qualified personnel.

Recognition is made of the time volunteered by members of this working group and of the support of manufacturers who also participated in meetings for this standard.

This standard does not imply ASSE International's endorsement of a product that conforms to these requirements.

Compliance with this standard does not imply acceptance by any code body.

It is recommended that these devices be installed consistent with local codes by qualified and trained professionals.

This standard was promulgated in accordance with the ASSE Procedures for Standards Development as approved by the American National Standards Institute (ANSI).

Preface

This is the first edition of ASSE/IAPMO/ANSI/CAN 1103, Pilot Operated Water Pressure Reducing Valves for Potable Water. This edition has been editorially revised for the addition of the SCC approval as a Canadian National Standard.

This Standard is considered suitable for use for conformity assessment within the stated scope of the Standard.

This Standard was developed by the ASSE 1103 Working Group and approved by the ASSE Product Standards Committee in accordance with the *ANSI Essential Requirements: Due process requirements for American National Standards, IAPMO Policies and Procedures for Consensus Development of American National Standards, SCC Requirements and Guidance - Accreditation of Standards Development Organizations*, and the *IAPMO Policies and Procedures for Development of National Standards of Canada*. This Standard was approved as an American National Standard on June 6, 2024, and approved as a National Standard of Canada on July 17, 2024.

Notes:

- (1) *The use of the singular does not exclude the plural (and vice versa) when the sense allows.*
- (2) *This standard was developed in accordance with the IAPMO procedures accredited as meeting the criteria for an American National Standard and National Standard of Canada. The IAPMO Standards Committee that approved this Standard was balanced to assure that individuals from competent and concerned interests had an opportunity to participate. During its development, this Standard was made available for public review, thus providing an opportunity for additional input from industry, academia, regulatory agencies, and the public at large.*
- (3) *This Standard was developed by 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 relevant IAPMO Standards Committee can be included in the committee roster and yet not be in full agreement with all sections of this Standard.*
- (4) *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.*
- (5) *The significant portion of the subject matter in this standard can be grouped in the International Classification for Standards (23.060.40 Pressure Regulators; 91.140.60 Water supply systems).*
- (6) *IAPMO Standards are subject to periodic review at a maximum of 4 years from date of approval. Suggestions for their improvement will be referred to the relevant IAPMO Standards Committee. To submit a proposal for change to this Standard, you may send the following information to the International Association of Plumbing and Mechanical Officials, Attention Standards Department, at standards@IAPMOstandards.org or, alternatively, at 4755 East Philadelphia Street, Ontario, California, 91761, and include "Proposal for change" in the subject line:*
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 - (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.*