**ANSI B109.1**
**Approved**
**April 15, 2019**

# DIAPHRAGM-TYPE GAS DISPLACEMENT METERS

**(Under 500 Cubic Feet Per Hour Capacity)**

## Secretariat

American Gas Association

**400 North Capitol Street, NW – 4th Floor**
**Washington, DC 20001**
**U.S.A.**

**Catalog No. 61902**

First Edition–1973
Second Edition–1986
Third Edition–1992
Fourth Edition–2000
Fifth Edition - 2019

American Gas Association
400 North Capitol St., NW, 4th Floor
Washington, DC 20001
U.S.A.

Catalog No. X61902

Approved
April 15, 2019
AMERICAN NATIONAL STANDARDS INSTITUTE, INC.

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# PREFACE

This publication represents a basic standard for safe operation and substantial and durable construction for diaphragm-type gas displacement meters having a gas flow rating of under 500 cubic feet per hour (14.2$m^3$/h) at 0.5 inch water column (125 Pa) differential pressure at base conditions. This work is the result of years of experience, supplemented by extensive research. The standard is designed to ensure efficient performance and substantial construction of equipment.

It is recognized that during any transition period to the metric system, sizes and dimensions need to be expressed in either the metric system or the inch-pound system or in both. In this document, both systems are used, with the inch-pound units given preference. A soft conversion from existing inch-pound values is shown. Soft conversion implies a change in nomenclature only; in this document, the alternative nomenclature (metric) is shown by using parentheses.

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