

MSS SP-96-2011

Guidelines on Terminology for Valves and Fittings

Standard Practice
Developed and Approved by the
Manufacturers Standardization Society of the
Valve and Fittings Industry, Inc.
127 Park Street, NE
Vienna, Virginia 22180-4602
Phone: (703) 281-6613
Fax: (703) 281-6671
E-mail: info@mss-hq.org



www.mss-hq.org

This MSS Standard Practice was developed under the consensus of the MSS Technical Committee 302 and the MSS Coordinating Committee. The content of this Standard Practice is the resulting efforts of competent and experienced volunteers to provide an effective, clear, and non-exclusive standard that will benefit the industry as a whole. This MSS Standard Practice describes minimal requirements and is intended as a basis for common practice by the manufacturer, the user, and the general public. The existence of an MSS Standard Practice does not in itself preclude the manufacture, sale, or use of products not conforming to the Standard Practice. Mandatory conformance to this Standard Practice is established only by reference in other documents such as a code, specification, sales contract, or public law, as applicable. MSS has no power, nor does it undertake, to enforce or certify compliance with this document. Any certification or other statement of compliance with the requirements of this Standard Practice shall not be attributable to MSS and is solely the responsibility of the certifier or maker of the statement.

“Unless indicated otherwise within this MSS Standard Practice, other standards documents referenced to herein are identified by the date of issue that was applicable to this Standard Practice at the date of approval of this MSS Standard Practice (see Annex A). This Standard Practice shall remain silent on the validity of those other standards of prior or subsequent dates of issue even though applicable provisions may not have changed.”

By publication of this Standard Practice, no position is taken with respect to the validity of any potential claim(s) or of any patent rights in connection therewith. MSS shall not be held responsible for identifying any patent rights. Users are expressly advised that determination of patent rights and the risk of infringement of such rights are entirely their responsibility.

In this Standard Practice, all text, notes, annexes, tables, figures, and references are construed to be essential to the understanding of the message of the standard, and are considered normative unless indicated as “supplemental”. All appendices, if included, that appear in this document are construed as “supplemental”. Note that supplemental information does not include mandatory requirements.

This document has been substantively revised from the previous 2001 (R 2005) edition. It is suggested that if the user is interested in knowing what changes have been made, direct page by page comparison should be made of this document and that of the previous edition.

Excerpts of this Standard Practice may be quoted with permission. Credit lines should read ‘Extracted from MSS SP-96-2011 with permission of the publisher, Manufacturers Standardization Society of the Valve and Fittings Industry’. Reproduction and/or electronic transmission or dissemination is prohibited under copyright convention unless written permission is granted by the Manufacturers Standardization Society of the Valve and Fittings Industry Inc. All rights reserved.

Originally Published: September 1986
Current Edition Approved: July 2011
Current Edition Published: October 2011

MSS is a registered trademark of Manufacturers Standardization Society of the Valve and Fittings Industry, Inc.

Copyright ©, 2011 by
Manufacturers Standardization Society
of the
Valve and Fittings Industry, Inc.
Printed in U.S.A.

FOREWORD

Valves and fittings were being manufactured in the United States for many years before the first standards were written. In selecting names for these products and their component parts, manufacturers chose terms which seemed appropriate to the configuration and intended use.

Uses expanded and changed, and manufacturers sometimes found that logical choices of terminology had been preempted by other products. The result has been that valves, fittings, and parts of similar configuration or intended use sometimes have more than one name. In other cases, the same name has been applied to assemblies or parts of different configuration and function.

The absence of a common statement of preferred terms has contributed to the variations of terms used by individual manufacturers.

This Standard Practice has been developed to serve two functions:

- 1) To assist the users of valves and fittings in communicating with their manufacturers.
- 2) To promote standardization in the usage of terms within the industry.

This Standard Practice provides definitions of the preferred items, and provides cross referencing to the appropriate preferred terms for other commonly used terminology. It is subject to the periodic review procedure common to standards.

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
1 SCOPE	1
2 DOCUMENT SOURCES	1
3 GLOSSARY	4
4 ABBREVIATIONS	34
 ANNEX	
A Referenced Standards and Applicable Dates	35

GUIDELINES ON TERMINOLOGY FOR VALVES AND FITTINGS

1. SCOPE

1.1 This Standard Practice lists and defines principle terms and acronyms widely used to describe general purpose valves, fittings, and related components. It is comprised of separate sections which contain:

- Acronyms for organizations whose documents are applicable to valves and fittings, and a brief summary of the applicable area of interest.
- A glossary of terms used in valve and fittings specifications to describe design, operation, and performance characteristics.
- Abbreviations commonly used in the valve and fittings industry.

ABS American Bureau of Shipping – publishes safety standards for shipbuilding, including specifications for valves and fittings used in commercial maritime service.

AFS American Foundry Society – publishes information on casting methods, procedures, and practices that are basic references for product design, procurement, and inspection of cast products.

ANSI American National Standards Institute – serves as administrator of the United States voluntary standardization system by accrediting the procedures of standards developing organizations (SDO's). ANSI is also the sole U.S. member body to the ISO and IEC.

2. DOCUMENT SOURCES

A number of technical societies, trade associations, and governmental agencies in the United States of America promulgate codes, standards, or specifications that are pertinent to valves and fittings. Some are recognized throughout the valve and fittings industry, some are relevant to specific services, while others are applicable to all usages within a specific industry. Most of these organizations and their standards or specifications are designated by letters. The organizations most frequently referenced and their relationship to the valve and fittings industry are listed below:

AAR Association of American Railroads – publishes design and dimensional standards for bronze valves and 300 psi pressure rating, malleable pipe fittings used by railroads.

ACI Alloy Castings Institute – publishes material specifications for heat and corrosion resistant alloys.

API American Petroleum Institute – publishes standards for systems and equipment related to the oil and natural gas industry.

ASME American Society of Mechanical Engineers (also known as ASME International) – publishes codes, standards and specifications for materials, products, systems, services, and test methodologies involving a full range of technical fields, including the valves and fittings industry.

ASNT American Society for Non-Destructive Testing – publishes specifications for non-destructive examination procedures and methods for parts of valves and fittings.

ASQ American Society for Quality Control – publishes specifications applicable to valve and fitting components covering systems and procedures for quality assurance.