



PROCESS
INDUSTRY
PRACTICES

REAFFIRMATION
January 2024

Hygienic Process

PIP PHSMV029
Hygienic Process for Food/Beverage/Consumer &
CGMP Products Stainless Steel
Other Valve Descriptions

Currently in preview, click buy full version

PURPOSE AND USE OF PROCESS INDUSTRY PRACTICES

This Practice has been prepared by harmonizing technical requirements from existing standards of major industrial operators, contractors, and standard development organizations. While this Practice is intended to incorporate the majority of requirements, individual applications may have requirements which take precedence over this Practice. Determinations concerning fitness for purpose or application of this Practice to specific project or engineering situations should not be made solely on information contained in this Practice. All Practices are intended to be consistent with applicable laws and regulations. Should this Practice conflict with applicable laws or regulations, such laws or regulations must be followed. Consult an appropriate professional before applying or acting on any material contained in or suggested by this Practice.

Use of trade names should not be viewed as an expression of preference. Other brands having the same specifications are equally correct and may be substituted for those named.

This Practice is subject to revision at any time. For more information refer to PIP ADG001, *Specification for Developing Practices*.

© 2015 Process Industry Practices (PIP), Construction Industry Institute, and The University of Texas at Austin on behalf of the Board of Regents of the University of Texas System

Process Industry Practices
3925 West Laker Lane (R4500)
Austin, Texas 78759

PUBLISHING HISTORY

April 2015	Issued
June 2017	Technical Revision
January 2024	Reaffirmation

Not printed with State funds



PIP PHSMV029
Hygienic Process for Food/Beverage/Consumer &
CGMP Products Stainless Steel
Other Valve Descriptions

Table of Contents

1. Scope	2	4. Notes	3
2. References	2	5. Cross Reference	3
2.1 Process Industry Practices	2	6. Valve Descriptions	4
2.2 Industry Codes and Standards	2		
2.3 Government Regulations	2		
3. Valve Designation System	3		

1. Scope

This Practice provides requirements for suppliers providing hygienic stainless steel valves (other than globe, check, ball, butterfly, plug, and diaphragm valves) included in PIP Piping Material Specifications.

For the purposes of this practice, “Hygienic,” “Process,” or “Hygienic Process” refers to all Hygienic Processes for Food/Beverage/Consumer & CGMP or other products requiring a clean design.

2. References

Applicable parts of the following Practices, industry codes and standards, and government regulations shall be considered an integral part of this Practice. The edition in effect on the date of contract award shall be used, except as otherwise noted. Short titles will be used herein where appropriate.

2.1 Process Industry Practices (PIP)

- PIP PHCM0004 - *Hygienic Process for Food/Beverage/Consumer & CGMP Products Valve Tag Designator System*

2.2 Industry Codes and Standards

- 3A Sanitary Standards Inc. (3A SSI)
 - 3A 00-01 - *General Requirements*
- American Society of Mechanical Engineers (ASME)
 - ASME B31.3 - *Process Piping*
 - ASME BPE - *Bioprocessing Equipment*
- National Sanitation Foundation (NSF)
 - NSF 51 - *Food Equipment Materials*

2.3 Government Regulations

- Code of Federal Regulations (CFR) - *Title 21: Food and Drugs*
- Regulation (European Commission) No 178/2002 of the European Parliament and of the Council Chapter II - *General Food Law*