



PROCESS  
INDUSTRY  
PRACTICES

COMPLETE REVISION  
September 2024

***Piping***

**PIP PNSMV033  
Bronze and Iron Gate Valve Descriptions**

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## 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 standards 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 acceptable 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*.

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## PIP PNSMV033 Bronze and Iron Gate Valve Descriptions

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## 1. Scope

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This Practice provides the detailed purchase descriptions for bronze and iron gate valve tag numbers included in PIP Piping Material Specifications (PMSs). This Practice also provides a cross reference for bronze and iron gate valve tag numbers to applicable PIP PMSs. Procurement of valves shall include the detailed purchase descriptions given in this Practice, along with the requirements in *PIP PNSM0110* and the purchase order.

## 2. References

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Applicable parts of the following Practice 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.

### Process Industry Practices (PIP)

- PIP PNCM0004 - *Valve Tag Number Designator System*
- PIP PNC00005 - *Design of ASME B31.3 Metallic Piping Systems*
- PIP PNSM0110 - *Purchasing Requirements for Piping and Pipeline Valves*

## 3. Valve Designator System

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- 3.1 For a full explanation of the format used to structure the valve numbers listed within this Practice, refer to *PIP PNCM0004*.
- 3.2 This Practice provides descriptions for gate valves. Therefore, the first two characters in the valve tag numbers are GA.
- 3.2 The valves listed in Sections 5 and 6 of this Practice are sorted by the unique valve tag number designator in ascending alphanumeric sequence (e.g., GA02BT000, GA 200C500, GA12DC501, GA12DC502, etc.).

## 4. Notes

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- 4.1 Occasionally, valve size ranges listed in this Practice are broader than the size ranges shown for the same valves on a PIP PMS. While the “most common practice” has been used to specify valve size ranges on Piping Material Specifications, a purchaser may need to utilize a valve in a size outside this “common practice” choice. Thus, for reference purposes, the full size range for which a given valve is typically manufactured is shown in this Practice.
- 4.2 Gear operation may be specified by selecting a valve description that includes a handwheel and using Field 5 (Owner Designation) of the valve tag numbering system described in *PIP PNCM0004*. For guidance, see *PIP PNC00005*, Section 3.5.5.2.