



PROCESS  
INDUSTRY  
PRACTICES

REAFFIRMATION  
October 2022

**Pipeline Systems**

**PIP PLCM0004**  
**Pipeline Systems Valve Tag Number**  
**Designator System**

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In an effort to minimize the cost of process industry facilities, this Practice has been prepared from the technical requirements in the existing standards of major industrial users, contractors, or standards organizations. By harmonizing these technical requirements into a single set of Practices, administrative, application, and engineering costs to both the purchaser and the manufacturer should be reduced. While this Practice is expected to incorporate the majority of requirements of most users, individual applications may involve requirements that will be appended to and take precedence over this Practice. Determinations concerning fitness for purpose and particular materials or application of the Practice to particular project or engineering situations should not be made solely on information contained in these materials. The use of trade names from time to time should not be viewed as an expression of preference but rather recognized as normal usage in the trade. Other brands having the same specifications are equally correct and may be substituted for those named. All Practices or guidelines are intended to be consistent with applicable laws and regulations including OSHA requirements. To the extent these Practices or guidelines should conflict with OSHA or other 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 the Practice.

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## 1. Scope

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This Practice provides the designator system for identifying PIP Pipeline Systems valve tag numbers for manually operated valves, and the requirements for each field within a designation. Designation requirements are provided for both PIP-developed and purchaser-developed valve tag numbers.

## 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 PLCM0001 – *Pipeline Systems Nomenclature*

## 3. Requirements

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### 3.1 General

- 3.1.1 The PIP Pipeline Systems valve tag number shall consist of the alphabet character, L, followed by five alternating alphanumeric fields containing one to three characters each (maximum of 12 characters). The first four fields are mandatory while the fifth is optional.
- 3.1.2 Valves listed in PIP Pipeline Systems Material Specifications and PIP Pipeline Systems Valve Descriptions shall use only the first four fields resulting in a 10-character alphanumeric valve tag number including the first character, L.
- 3.1.3 Each field shall describe various features of a valve.

### 3.2 Field Definitions

#### 3.2.1 First Field – Valve Type

- 3.2.1.1 The first field shall define the valve type.
- 3.2.1.2 The valve type field shall consist of two alphabetic characters in accordance with Table 1.

#### 3.2.2 Second Field – Pressure Class

- 3.2.2.1 The second field shall define the pressure class.
- 3.2.2.2 The pressure class field shall consist of two numeric characters in accordance with Table 2.

#### 3.2.3 Third Field – Body Material

- 3.2.3.1 The third field shall define the nominal valve body material.
- 3.2.3.2 The nominal valve body material field shall consist of two alphabetic characters in accordance with *PIP PLCM0001*, Table 2.