



PROCESS  
INDUSTRY  
PRACTICES

COMPLETE REVISION  
January 2022

***Piping***

**PIP PNCM0001**  
**Piping Material Specification Designator System**

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### **ISSUING HISTORY**

February 1997	Issued as PNSM0001	May 2001	Technical Correction	December 2015	Complete Revision
February 1999	Complete Revision	October 2006	Complete Revision & Renumbering	January 2022	Complete Revision
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# PIP PNCM0001 Piping Material Specification Designator System

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## Table of Contents

- 1. Scope .....2**
- 2. Requirements .....2**
  - 2.1 General .....2
  - 2.2 Field Definitions .....2
  - 2.3 Example Designation .....3
  - 2.4 Standard Notes.....3
  - 2.5 Cover Sheet / Addendum Form.....4

## Appendixes

- Appendix A - Cover Sheet / Addendum Form
- Appendix B - Sample Cover Sheet
- Appendix C - Sample Addendum
- Appendix D - Piping Material Specification Designator System Summary Sheet

## 1. Scope

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This Practice describes the arrangement of the PIP Piping Material Specification (PMS) designations and the requirements for each field within a designation. Designation requirements are provided for both PIP-developed and owner-developed piping material specifications. A one-page summary of the PIP PMS Designator System specified in this Practice is provided in Appendix D.

## 2. Requirements

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### 2.1 General

2.1.1 The PMS Designator System shall consist of six alternating alphanumeric fields containing one or two characters each (maximum of ten characters). The first five fields are mandatory while the sixth is optional.

2.1.2 Each field shall describe various features of a PMS.

### 2.2 Field Definitions

#### 2.2.1 First Field – Pressure Rating

2.2.1.1 The first field shall define the pressure rating.

2.2.1.2 The pressure rating field shall consist of one or two numeric characters in accordance with Table 1.

#### 2.2.2 Second Field – Piping Material

2.2.2.1 The second field shall define the nominal pipe material.

2.2.2.2 The nominal pipe material field shall consist of two alphabetic characters in accordance with Table 2.

#### 2.2.3 Third Field – Corrosion Allowance

2.2.3.1 The third field shall define the corrosion/erosion allowance.

2.2.3.2 The corrosion/erosion allowance field shall consist of one numeric character in accordance with Table 3.

#### 2.2.4 Fourth Field – Joint Construction

2.2.4.1 The fourth field shall define the joint construction/construction type.

2.2.4.2 The joint construction/construction type field shall consist of one alphabetic character in accordance with Table 4.

#### 2.2.5 Fifth Field – Sequential Number

2.2.5.1 The fifth field shall define a sequential number for numbering variations of a PMS.

2.2.5.2 The sequential number field shall consist of two numeric characters that shall be applied in accordance with the following ranges: