SECTION 400561.43 - KNIFE GATE VALVES

Note that this section has only been edited for NYSOGS standardization and has not been technically edited. The designer shall make all technical edits specific to the project for this section.

1. GENERAL
   * + 1. SUMMARY
          1. Section Includes: Knife gate valves.
          2. Related Requirements:

List other Sections directly related to or affecting Work of this Section. Include Sections specifying information expected to be found in this Section as well as Sections required to describe complete system or assembly requirements.

Section 400551 - Common Requirements for Process Valves: Administrative requirements and basic materials and methods related to valves commonly used for process systems.

* + - 1. REFERENCE STANDARDS

List reference standards included within text of this Section, with designations, numbers, and complete document titles.

* + - * 1. ASME International:

ASME B16.1 - Gray Iron Pipe Flanges and Flanged Fittings: Classes 25, 125, and 250.

ASME B16.5 - Pipe Flanges and Flanged Fittings: NPS 1/2 through NPS 24 Metric/Inch Standard.

ASME B16.34 - Valves - Flanged, Threaded, and Welding End.

ASME B16.42 - Ductile Iron Pipe Flanges and Flanged Fittings: Classes 150 and 300.

* + - * 1. Manufacturers Standardization Society:

MSS SP-25 - Standard Marking System for Valves, Fittings, Flanges, and Unions.

Coordinate remainder of PART 1 requirements with Section 400551. Reference Section 400551 only, or include items not covered in Section 400551.

* + - 1. <**\_\_\_\_\_\_\_\_**>
         1. Section <**\_\_\_\_\_\_-\_\_\_\_\_\_\_\_\_\_\_\_**>: <**\_\_\_\_\_\_\_\_**>.
         2. As specified in Section 400551 - Common Requirements for Process Valves: Submittal requirements for compliance with this Section.

\*\*\*\*\*\* [OR] \*\*\*\*\*\*

* + - * 1. <**\_\_\_\_\_\_\_\_**>.

1. PRODUCTS
   * + 1. KNIFE GATE VALVES
          1. [Manufacturers](http://www.specagent.com/LookUp/?ulid=12819&mf=04&src=wd):

designer to provide two manufacturers and approved equivalent for all listed products.

\*\*\*\*\*\* [OR] \*\*\*\*\*\*

In following Subparagraph insert "State of New York Department of Transportation," "Municipality of \_\_\_\_\_\_\_\_ Department of Public Works," or other agency as appropriate.

Furnish materials according to <**\_\_\_\_\_\_\_\_**> standards.

Insert descriptive specifications below to identify Project requirements and to eliminate conflicts with products specified above.

* + - * 1. Description:

[**Minimum**] Working Pressure: [**<\_\_\_\_\_\_\_\_> psig at <\_\_\_\_\_\_\_\_> deg. F**] [**As indicated on valve schedule**].

Maximum Fluid Temperature: [**<\_\_\_\_\_\_\_\_> deg. F**] [**As indicated on valve schedule**].

Design:

Comply with MSS SP-25.

Double seated.

Opening: Full port.

End Connections:

Flanged: ASME [**B16.1**] [**, B16.5**] [**, B16.34**] [**, and**] [**B16.42**].

Bell and spigot.

Mechanical joint.

<**\_\_\_\_\_\_\_\_**>.

Gear Actuator: [**Handwheel**] <**\_\_\_\_\_\_\_\_**>.

* + - * 1. Materials:

Sleeve: [**Buna-N**] [**Neoprene**] [**EPDM**] <**\_\_\_\_\_\_\_\_**>.

Body: [**Ductile iron**] [**Steel**] <**\_\_\_\_\_\_\_\_**>.

Gate: [**Type 316 stainless steel**] <**\_\_\_\_\_\_\_\_**>.

Lining: [**Elastomer suitable for process fluid**] <**\_\_\_\_\_\_\_\_**>.

Connecting Hardware: [**Type 316 stainless steel**] <**\_\_\_\_\_\_\_\_**>.

* + - 1. SOURCE QUALITY CONTROL
         1. Provide shop inspection and testing of completed assembly.

1. EXECUTION

Coordinate remainder of PART 3 requirements with Section 400551. Reference Section 400551 only, or include items not covered in Section 400551.

* + - 1. <**\_\_\_\_\_\_\_\_**>
         1. Section <**\_\_\_\_\_\_-\_\_\_\_\_\_\_\_\_\_\_\_**>: <**\_\_\_\_\_\_\_\_**>.
         2. As specified in Section 400551 - Common Requirements for Process Valves: Execution requirements for compliance with this Section.

\*\*\*\*\*\* [OR] \*\*\*\*\*\*

* + - * 1. <**\_\_\_\_\_\_\_\_**>.

END OF SECTION 400561.43