

**5230.5005 CHAPTER 13, PIPING.**

Subpart 1. **Chapter 13.2.1.1.** ANSI/IIAR 2, chapter 13.2.1.1, is amended to read as follows:

**13.2.1.1. Application of materials.**

- a. Carbon steel liquid lines must utilize A106 seamless pipe or A333 seamless pipe.
- b. Piping material used in the discharge line of a pressure relief device, when discharging to atmosphere, Type F butt weld pipe is allowed.
- c. Mill test reports must be provided for the inspector at the inspector's discretion to verify heat numbers on the pipe and to verify compliance with this part.

Subp. 2. **Chapter 13.2.2.** ANSI/IIAR 2, chapter 13.2.2, is amended by adding a subsection as follows:

**13.2.2.1. Carbon steel, welded.**

- a. 1-1/2 inch and smaller - schedule 80.
- b. 2 inch through 10 inch - schedule 40.
- c. 12 inch and larger - standard weight.

Subp. 3. **Chapter 13.2.2.** ANSI/IIAR 2, chapter 13.2.2, is amended by adding a subsection as follows:

**13.2.2.2. Stainless steel, welded.**

- a. 3/4 inch through 6 inch - schedule 40.
- b. 8 inch and larger - schedule 10.

Subp. 4. **Chapter 13.3.** ANSI/IIAR 2, chapter 13.3, is amended by adding a subsection as follows:

**13.3.2.9.** Operating speed of control valve actuators shall be considered in the system design. Quarter turn valves (ball valves, butterfly valves, etc.) must utilize an actuator that restricts the time from fully open to fully closed, both directions, to at a minimum of 60 seconds.

**Statutory Authority:** *MS s 326B.925*

**History:** *34 SR 145; 42 SR 1423; 47 SR 741*

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