SECTION 220523 - GENERAL-DUTY VALVES FOR PLUMBING PIPING

1.1 LOW-PRESSURE, COMPRESSED-AIR VALVES

A. Pipe NPS 2 (DN 50) and Smaller:
   1. Ball Valves: One, Two or Three piece, full port, brass or bronze with brass, bronze, stainless-steel trim.
   2. Bronze Lift Check Valves: Class 125, bronze, nonmetallic disc.
   3. Bronze Swing Check Valves: Class 125, bronze, nonmetallic disc.

B. Pipe NPS 2-1/2 (DN 65) and Larger:<80PSI
   1. Iron, Butterfly Valves: Class 125, resilient seat, aluminum-bronze, stainless-steel disc.
   2. Iron Swing Check Valves: Class 125, Class 250, nonmetallic-to-metal seats.

1.2 HIGH-PRESSURE, COMPRESSED-AIR VALVES

A. Pipe NPS 2 (DN 50) and Smaller:
   1. Ball Valves: One, Two, Three piece, full port, brass or bronze with brass, bronze, stainless-steel trim.
   2. Bronze Lift Check Valves: Class 150 or >, bronze or nonmetallic disc.
   3. Bronze Swing Check Valves: Class 150 or >, bronze or nonmetallic disc.

B. Pipe NPS 2-1/2 (DN 65) and Larger:
   2. Iron, Grooved-End Butterfly Valves: Class 175 or >
   3. Iron Swing Check Valves: Class 175 or >, nonmetallic—to-metal, bronze seats.
   4. Iron, Grooved-End Swing Check Valves: Class 175 or >
   5. Iron, Center-Guided Check Valves: Class 175 or >, compact-wafer, resilient seat.
   6. Ball Valves: Class 175 or >, One, Two, or Three piece, full port, brass or bronze with brass, bronze or stainless-steel trim.

1.3 DOMESTIC, HOT- AND COLD-WATER VALVES

A. Pipe NPS 2 (DN 50) and Smaller:
   1. Bronze Angle Valves: Class 125, Class 150, bronze, nonmetallic disc.
2. Ball Valves: Class 125 or >, One, Two, or Three piece, full port, brass or bronze with stainless-steel trim.
3. Bronze Swing Check Valves: Class 125 or Class 150, bronze, nonmetallic disc.

B. Pipe NPS 2-1/2 (DN 65) and Larger: (NPT, PRO-Press, Socket Sweat)
   1. Brass Ball Valves: Class 125 or >.
   2. Iron, Butterfly Valves: Class 125 or >, EPDM seat, stainless-steel disc.
   3. Iron, Grooved-End Butterfly Valves: Class 125 or > CWP.
   4. Iron Swing Check Valves: Class 125 or > nonmetallic-to-bronze seats.
   5. Iron Swing Check Valves with Closure Control: Class 125 or >, lever and spring.
   6. Iron, Grooved-End Swing Check Valves: 300 CWP
   7. Iron, Center-Guided Check Valves: Class 125 or >, compact-wafer, resilient seat.
   8. Iron Grate Valves: Class 125 or > OS & Y.

1.4 SANITARY-WASTE AND STORM-DRAINAGE VALVES

A. Pipe NPS 2 (DN 50) and Smaller:
   1. Ball Valves: One, Two, or Three piece, full port, brass or bronze with stainless-steel trim.
   2. Bronze Swing Check Valves: Class 125, bronze disc.

B. Pipe NPS 2-1/2 (DN 65) and Larger:
   1. Bronze or Brass Ball Valves with stainless-steel trim: Class 125.
   2. Iron Swing Check Valves: Class 125 bronze seats.
   3. Iron Swing Check Valves with Closure Control: Class 125, lever and weight.
   4. Iron, Grooved-End Swing Check Valves: 300 CWP.
   5. Iron Gate Valves: Class 125 or > OS & Y.
   6. Lubricated Plug Valves: Class 125, Flanged

END OF SECTION 220523