

LUDLOW-RENSSELAER

DOUBLE DISC GATE VALVE SPECIFICATIONS

STANDARD SPECIFICATION FOR AWWA C500 DOUBLE DISC GATE VALVES

Products 2.1 Double Disc Gate Valves 3" through 12" per AWWA C-500

Manufacturer: Ludlow-Rensselaer

- A. Valve shall be manufactured in accordance with AWWA C-500. Shall be flanged end Class 125 or Class 250 or mechanical joint as specified. Valves shall be designed for on/off service for applications in water and/or waste water with a operating pressure rating of 250 PSI maximum and test pressure of 500 PSI. The discs shall be of revolving type to provide self-cleaning of seat rings and allowing the discs to seat variably with each closure. For clean water service, valves shall be certified to NSF61.
- B. Materials on construction
1. Body and bonnet shall be ductile iron ASTM A 536 or cast grey iron ASTM A126.
 2. Stem shall be 304 stainless steel ASTM A 276
 3. Wedge, discs and body seat rings shall be aluminum bronze C954.
 4. Stem seal shall be with a three O-ring design, Buna-N or EPDM.
 5. Fasteners shall be 304 stainless steel ASTM A276.
 6. Flanges shall have ANSI B16.1 Class 125 or Class 250 flat faced flanges as specified.
 7. Valves shall be coated internally and externally with two part epoxy NSF61 approved.
- C. Operators
- Valves shall be operated with a 2" operating nut for below grade valves or hand wheel for above grade.