

# LUDLOW-RENSSELAER

## DOUBLE DISC GATE VALVE SPECIFICATIONS

STANDARD SPECIFICATION FOR AWWA C500 DOUBLE DISC GATE VALVES

Products 2.1 Double Disc Gate Valves 14" and larger per AWWA C-500

Manufacturer: Ludlow-Rensselaer

- A. The valves shall have a Ductile Iron Body, Double-Disc sealing, with non-revolving parallel seats, internal wedging and bypass. The valves shall be equipped with a positive operating internal device which will press the disc seats firmly against the body seats when the valve is closed, and shall release the load before the disc starts to move when the valve is being opened. Valves shall have 3/4" NPT pipe plugs in each side of the bonnet. Valves shall be ANSI/NSF61 approved.
- B. Valves shall be of the non-rising stem or rising type as required by the valve schedule.
- C. Valves mounted horizontally in a horizontal line shall be equipped with rollers, tracks and scrappers.
- D. Valves mounted horizontally in a vertical line shall be equipped with disc face tracks.
- E. Valves mounted vertically in a horizontal line shall be equipped with flushing/clean out ports integrally cast into the inverts on the body.
- F. Valve construction shall meet or exceed the latest AWWA C500 standards. The valves shall be constructed with ASTM B584-954 bronze body and disc seat rings.
  - 1. Disc seat rings shall be provided with "O" ring seals between the wedge and disc ring.
  - 2. The gates shall be cast from ASTM A536 grade B ductile iron.
  - 3. The valve stem shall be ASTM A479 type 304 stainless steel.
  - 4. The body and bonnet shall be constructed with ASTM A536 Grade B ductile iron and sealed by and "O" rings.
  - 5. The valves shall be equipped with a packing box design for "V" ring type packing and sized to allow replacement of the packing without removal of the operator.
  - 6. Valves shall have ANSI B16.1 class 125 or 250 flat faced flanges as specified in the valve schedule.
  - 7. All valves shall be tested per the requirements of AWWA C500 test procedures.
  - 8. The valve shall be painted interior and exterior with Tnemec N141 two-part epoxy, in accordance with AWWA C550. The paint shall be certified in accordance ANSI/NSF61.
  - 9. Valve operator shall have either spur gear or bevel gear with 2" op nut or handwheel.

All Ludlow-Rensselaer Double-Disc Gate Valves (List 14A, 14"-108") meet or exceed A.W.W.A. C-500-80 Specifications.