

ROTATING DISC VALVES



KENNEDY VALVE IN-PLANT PRODUCTS

- 3"–108" Butterfly Valves
- 2"–96" Solid Wedge Gate Valves
- 2"–54" Resilient Wedge Gate Valves
- 2"–36" Swing Check Valves
- 3"–48" Eccentric Plug Valves
- 4"–30" Flap Valves
- 4"–30" Shear Gates
- 4"–16" Sluice Gates
- 4"–30" Mud Valves
- Pressure Relief Valves Wall & Floor

IN-PLANT ACCESSORIES

- Chainwheels
- Floor stands
- Stem Guides
- Extension Stems
- Actuators

For dimensions and drawings of our products,
please contact **Kennedy Valve** at (607) 734-2211.

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ROTATING DISC GATE VALVE

3"–108" • AWWA C-500 • RATED UP TO 250PSI
DUCTILE IRON CONSTRUCTION • FULL WATERWAY FOR
WET TAPPING SERVICE APPLICATIONS



For Generations

ROTATING DISC GATE VALVE

ROTATING DISC VALVE HISTORY

- 1900** — The Darling Pump Company in Williamsport, Pennsylvania, developed a revolutionary (parallel seat, Rotating Disc) gate valve for use in the oil field and in waterworks...Darling sales skyrocketed.
- 1917** — Company is renamed Darling Valve & Mfg.
- 1969** — Darling Valve was purchased by American Cast Iron Pipe Company and relocated to Birmingham, Alabama.
- 1997** — The American Darling parallel seat Rotating Disc gate valve is sold to American R/D LLC, Danbury, Connecticut. Thousands of Rotating Disc gate valves have been sold globally.
- 2006** — McWane acquires American R/D LLC and relocates the business to Anniston, Alabama.
- 2013** — American R/D relocates to Elmira, New York, and becomes the Plant and Industrial Group of Kennedy Valve.

The Kennedy Valve line of Rotating Disc gate valves has been utilized successfully since 1908 in water/wastewater treatment plants and water lines all over the United States. If you are looking for an extended life valve, this valve should be your choice for generations of service.

Kennedy Valve Rotating Disc gate valves clean themselves with every operation. Deposits are removed in travel, so nothing builds up on the seating surfaces that could cause leakage. Discs are free of pockets that could collect solids. The rotating action of the discs creates a different seating position each time the valve is closed. Uneven or excessive wear is prevented, so the sealing components remain smooth and operational years longer without maintenance or replacement. Since the discs rotate, they cannot foul on the body guides.

The superior Kennedy Valve design provides independent wedging and seating action for smoother valve opening and closing with less operating force. Discs are fully interchangeable and reversible, ensuring simple and inexpensive maintenance.

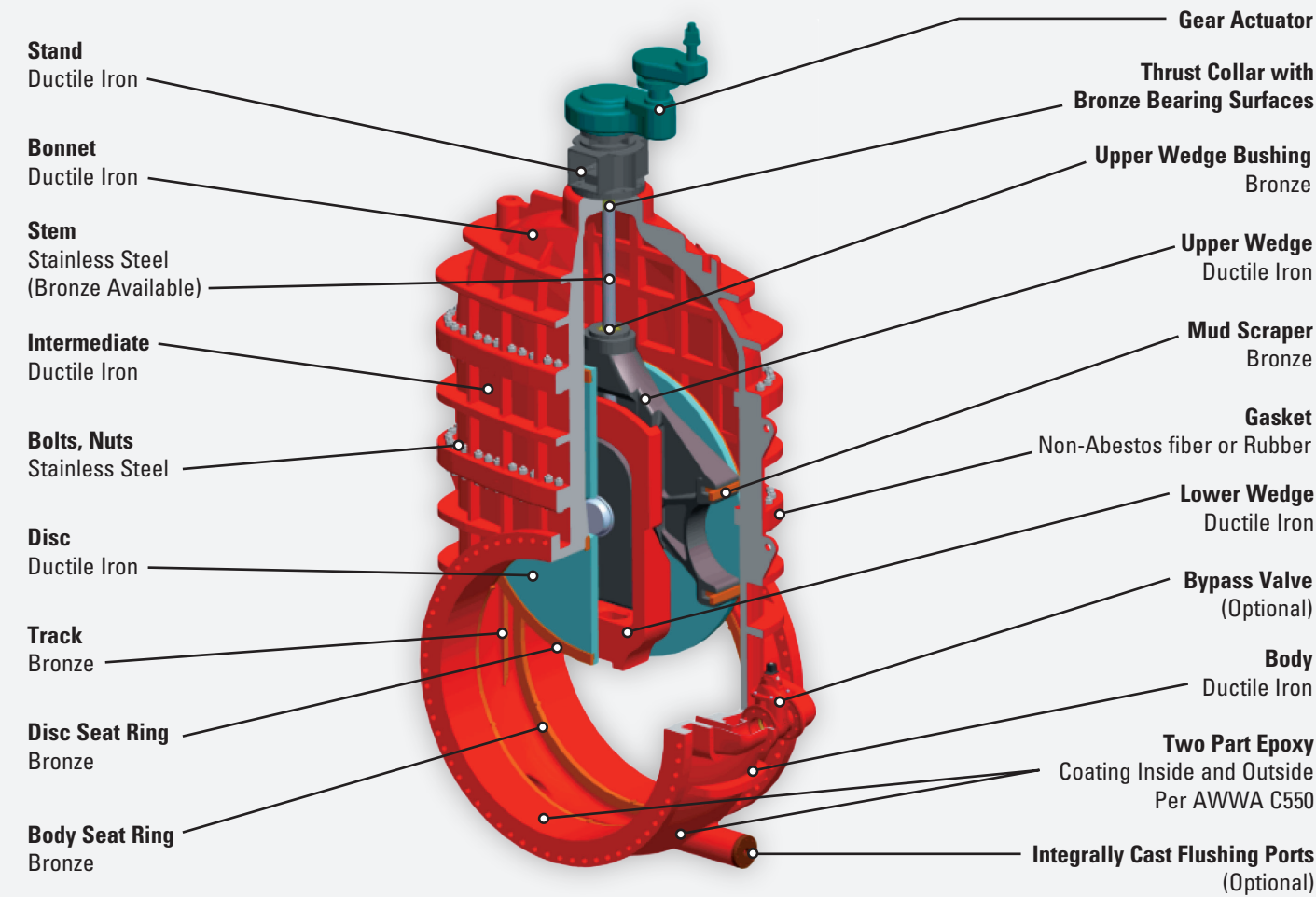
These advantages, along with uncompromising quality control, ensure that Kennedy Valve rotating disc gate valves will be ideal for water and wastewater applications. Kennedy Valve's unique design features make these valves fully capable of taking on services no other metal-seated gate valve can handle.

So for reliability, versatility, and long-life, specify Kennedy Valve rotating disc gate valves.

FEATURES

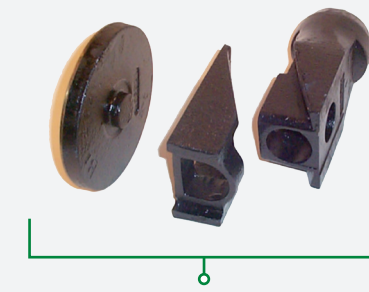
- Applications: clean water, raw water, wastewater
- Complies with AWWA C-500
- NSF-61 approved
- Size range 3" through 108"
- Rated pressures up to 300 psi through 96" size values
- Full body ductile iron ASTM A536
- 304 Stainless Steel Stems standard (other materials available)
- Iron Body Bronze Mounting (IBBM)
- Bypasses standard 16" and larger
- Tracks and Scrapers standard on 14" and larger (for side laying applications)
- Disc-face tracking available for horizontal-flat installations
- Rotating disc design
- Self-cleaning disc seats
- Non-rising (NRS) or Outside Screw and Yoke (OS&Y) configurations available
- Internal and external coating suitable for potable water and compliant with AWWA C550
- For vertical installations integrally cast flushing ports available

ROTATING DISC GATE VALVE



NON-RISING STEM VALVE (NRS)

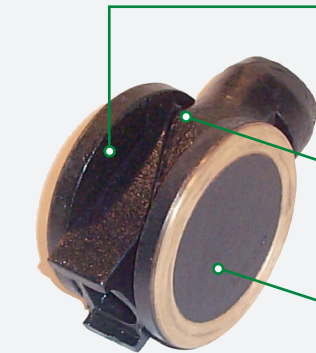
NO LINKS OR AUXILIARY MEANS ARE NECESSARY TO HOLD PARTS IN POSITION.



All working parts are plain with no pockets to collect sediment or prevent free and easy movement.



Discs are suspended by their center trunnions.



Extra wide disc and seat ring faces provide large seating area.

Wedges and discs cannot be assembled incorrectly.

No links or auxiliary means are necessary to hold parts in position.

SPECIFICATIONS

ROTATING DISC GATE VALVES 3" TO 108"

1. Manufacturers:

- a. Kennedy Valve.
- b. At least 10 years waterworks or treatment plant experience.

2. Compliant with AWWA C500 (latest revision).

3. Materials:

- a. Valve Body, Bonnet, Discs, Wedges: Ductile Iron ASTM-A536 (65/45/12).
- b. Scraper, Stem Nut, Disc and Body Seat Rings: Bronze, B62/B505.
- c. Ductile Iron Wedge Bearing Surfaces: Type 316 Stainless Steel.
- d. Stem: 304 Stainless Steel ASTM-A276 (standard). (Consult factory for other stem materials.)
- e. Valve Bolts and Nuts: Type 304 or 316 Stainless Steel ASTM F593/F594.

4. Valve Construction — Rated Working Pressure:

- a. Valves 3"–108": up to 250 psi (standard).
- b. Customer to specify working and test pressure.

5. Stem Seals: OS&Y and NRS valves equipped with conventional packing (standard). NRS valves with redundant O-ring seals available (consult factory).

6. Two 360-degree ductile iron rotating discs, interchangeable and field replaceable without removal of valve body from pipeline. Discs and wedges free of any type pockets, linkages and pins.

7. Self-adjusting bronze scrapers allow valve mounting in horizontal position or angle as specified from vertical or horizontal center lines.

8. Provide stems (NRS) with integral thrust collar (304 Stainless Steel, standard).

9. Where specified, valve body to have electric motor mounting pads.

10. Full port body design shall provide clear and unobstructed waterway for pigging of pipelines.

11. Horizontally installed valves shall be quipped with bronze tracks on the bottom side, providing smooth bearing surfaces for the discs to rotate freely throughout the entire travel.

12. Valve design to allow complete re-packing of valve stem under pressure when valve is in full open position.

13. Where specified, provide bypass valve bolted to bottom or side of main valve body. Provide valve type and material as specified.

14. Where specified, provide valve body with two integrally cast flushing ports for gate valve sized 14" and larger for valve in upright installation orientation. Drain plugs will not be accepted.

15. End connections, provide type as specified:

- a. Flanged ASME B16.1 Class 125 or Class 250.
- b. Mechanical Joint.
- c. Mechanical Joint by Flange.

17. Geared Operators for all 14-in and larger valves (as required).

- a. Spur or bevel gearing as determined by valve application and orientation.
- b. Buried valves shall have totally enclosed gear cases.

18. Factory test each valve per AWWA C-500 (latest revision).

19. Two part NSF-61 approved epoxy on the exterior and interior of valve.

Visit our Website: www.kennedyvalve.com
2"–108" AWWA Gate Valves
A Division of McWane, Inc.