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.

ROTATING DISC GATE VALVE C-500

3” - 108”
AWWA C-500
Rated up to 250psi
Ductile Iron Construction
Full waterway for wet tapping service applications

SERIES 42
SERIES 52
SERIES 55
SERIES 59
SERIES 525

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A Division of McWane, Incorporated
Pub 8/2015
Rotating Disc Gate Valve

1900 - The Darling Pump Company in Williamsport, PA 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.

1927 - The Kennedy Valve line of rotating disc gates was introduced. This innovative design has been successful...since 1908 in water/wastewater treatment plants and water lines all over the United States. If you are looking for an...extensive line of gate valves, this book 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 faces 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 since the discs rotate, they cannot stick on the body guideways.

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

These advantages, along with uncompromising quality control assurance 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, the Kennedy Valve rotating disc gate valves.

FEATURES

- Applications: Clean water, raw water, wastewater
- Complies with AWWA C-550
- NFPA Approved
- Size range 3 in through 108 in
- Working pressures up to 300 psi
- Shell up to 500 psi
- Full body ductile iron AST-M-536
- Stainless steel ASTM A-276
- 6B2-Low Zinc Bronze Body & seat
- By-passes standard 14 in & larger
- Rotates 360 degrees
- Face-to-face dimensions to comply with ANSI B16.10, flanges to comply with ANSI B16.1. Conventional packing - OS&Y valves.
- Buried Valves: NRS with gear operator. Mechanical joint. Conventional packing or double o-rings in valve-stem seal areas.
- Two 360 degree disc iron rotating discs, inter-changeable and field replaceable without remov- al of valve. Adjustable Bronze discs and wedges free of any type pockets, linkages and pins.
- Self-adjusting bronze scrapers allow valve mounting by any commercial means as specified from vertical or horizontal centers lines.
- Provide stems (NRS) with integral thrust collar (304 Stainless Steel, standard).

Visit Our Website: www.kennedyvalve.com

A Division of McWane, Inc.

1. Manufacturers:
   a. Kennedy Valve.
   b. At least 10 years' waterworks or treatment plant experience.

2. Compliant with AWWA C510 (latest revision).

3. Materials:
   a. valve Body, Bonnet, Disc, Wedges: Ductile Iron ASTM-A536 (or A504).


6. Valves operate from vertical or horizontal centers lines. (as required).

7. Non-Rising Stem Valve (NRS)

No Links Or Auxiliary Means Are Necessary To Hold Parts In Position.

Discs Are Suspended By Their Center Transoms.

Discs And Wedges (Shown Separated)

Wedge And Disc Cannot Be Assembled Incorrectly.

No Links Or Auxiliary Means Are Necessary To Hold Parts In Position.

Extra Wide Disc And Seat Ring Faces Provide Large Sealing Area.

Gear Actuator

Thrust Washer

Valve Body, Bonnet, Disc, Wedges: Ductile Iron

Bronze

Stem Stainless Steel (Bronze Available)

Intermediate Ductile Iron

Bolts Nuts Stainless Steel

Disc Ductile Iron

Turbo Bronze

Body Seat Ring Bronze

Upper wedge Ductile Iron

Nut Stainless Steel

Lower wedge Ductile Iron

Bypass Valve Body Stainless Steel

Two Port Equal Pressure Drop In Line Outside For AWWA C500

Integral CAST Flushing Port (optional)


Knifeless And Wedgeless Valves Are Necessary To Hold Parts In Position.

rotating disc gate valve

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   b. At least 10 years’ waterworks or treatment plant experience.

2. Compliant with AWWA C510 (latest revision).

3. Materials:
   a. Valve Body, Bonnet, Disc, Wedges: Ductile Iron ASTM-A536 (or A504).


7. Two 360 degree disc iron rotating discs, inter-changeable and field replaceable without remov- al of valve. Adjustable Bronze discs and wedges free of any type pockets, linkages and pins.

8. Self-adjusting bronze scrapes allow valve mounting by any commercial means as specified from vertical or horizontal centers lines.

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

10. Where specified, valve body to have electric motor mounting ears.

11. Full port body design shall provide clear and unobstructed waterway for piping of pipe- lines.

12. Horizontally installed valve shall have valve body guides and tracks with bronze bearing surface throughout entire travel of bottom side.

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

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

15. Where specified provide valve body with two integrally cast flushing ports for gate valve sized 14-in and larger for valve in spine in intes- stallation orientation. Drain plugs will not be provided.

16. End connections, provide type as specified:
   a. Flanged ASME B16.1 Class 125 or Class 250.
   b. 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 design and orientation.
   b. Buried valves shall have totally enclosed gear case.

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

19. Two part NPT-61 approved expey the exter- nal and interior of valve.

SPECIFICATIONS

Rotating Disc Gate Valves 3” to 108”