**RECOMMENDED SPECIFICATIONS**

1. Valves shall conform to the latest revision of AWWA Standard C515 covering resilient seated gate valves for water supply service.
2. The valves shall have a ductile iron body, bonnet, and O-ring plate. The wedge shall be totally encapsulated with rubber.
3. The sealing rubber shall be permanently bonded to the wedge per ASTM D429.
4. Valves shall be supplied with O-ring seals at all pressure retaining joints. No flat gaskets shall be allowed.
5. The valves shall be either non-rising stem or rising stem, opening by turning left or right, and provided with 2” square operating nut or a handwheel with the word “Open” and an arrow to indicate the direction to open.
6. Stems shall be cast copper alloy with integral collars in full compliance with AWWA. All stems shall operate with copper alloy stem nuts independent of wedge and of stem (in NRS valves).
7. Stems shall have two O-rings located above thrust collar and one O-ring below. Stem O-rings shall be replaceable with valve fully opened and subjected to full pressure. The stems on 4” – 20” shall also have two low torque thrust bearings located above and below the stem collar to reduce friction during operation.
8. Waterway shall be smooth, unobstructed and free of all pockets, cavities and depressions in the seat area. Valves 4” and larger shall accept a full size tapping cutter.
9. The body, bonnet and O-ring plate shall be fusion-bonded epoxy coated, both interior and exterior on body and bonnet. Epoxy shall be applied in accordance with AWWA C550 and be NSF 61 Certified.
10. Each valve shall have maker’s name, pressure rating, country of origin, and year in which it was manufactured cast in the body. Prior to shipment from the factory, each valve shall be tested by hydrostatic pressure equal to the requirements of AWWA C515 (and UL/FM where applicable).
11. Valves shall have all component parts cast and assembled in the USA and shall be manufactured by the Clow Valve Company.

**COMMITTED TO ENVIRONMENTAL RESPONSIBILITY**

Clow Valve Company is committed to protecting our natural resources through environmentally responsible manufacturing practices, including the use of 80+% recycled content in our hydrants and valves.
RESILIENT WEDGE VALVE

In 1975, Clow recognized the increased requirements and escalating maintenance cost of water systems in the United States. Clow responded by introducing the first R/W (Resilient Wedge) Gate Valve in America. This introduction revolutionized the valve market in the U.S.

Clow was the first to introduce and still leads in the design and technical development of the bubble-tight resilient seating valve. The Clow Resilient Wedge Valve, with its unique features and benefits, was the first to be manufactured with both AWWA and UL/FM approval for all water system requirements.

![Resilient Wedge Valve Diagram]

**ENGINEERING FEATURES**

- **Thrust Bearings**: Delrin thrust bearings above and below the thrust collar reduce friction and minimize operating torque.
- **Stainless Steel Hardware**: 304 stainless steel nuts and bolts provide long-life corrosion protection.
- **Copper Alloy Stem**: Long, trouble-free life with high strength, non-corrosive copper alloy stem and nut.
- **100% Coated Wedge**: 100% coated wedge ensures bubble-tight seal every time up to 250 PSI. With twin seal design.
- **Elliptical Bolt Holes**: Hole design on MJ connection eliminates the need for anti-rotation bolts.
- **Easy Storage**: Pads on the bottom of all valves keep valve in upright position for easier storage and protection from the elements.
- **Epoxy Coating**: Clow corrosion resistant fusion-bonded epoxy coating, conforming to AWWA C530 and NSF 61 Certified, protects both inside and outside of valve.

**Valve Rating**: All valves are rated at 250 PSI for AWWA service and hydrostatically tested to 500 PSI. All 4”–12”, 18” and 20” valves are rated at 200 PSI for UL/FM service. All 14” and 16” valves are rated at 250 PSI for UL/FM service.
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304 stainless steel nuts and bolts provide long-life corrosion protection.

COOPER ALLOY STEM
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100% COATED WEDGE
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ELLIPICAL BOLT HOLES
Hole design on MJ connection eliminates the need for anti rotation bolts.

EASY STORAGE
Pads on the bottom of all valves keep valve in upright position for easier storage and protection from the elements.

EPOXY COATING
Clow corrosion resistant fusion-bonded epoxy coating, conforming to AWWA C950 and NSF 61 Certified, protects both inside and outside of valve.

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