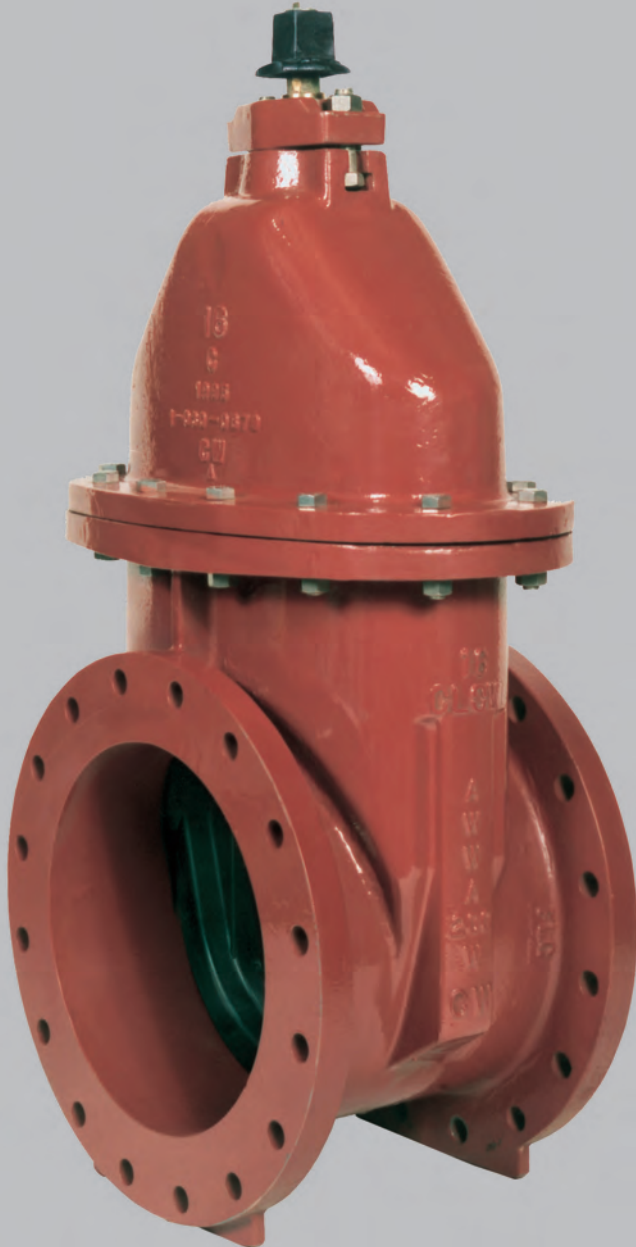


American R/D

RESILIENT WEDGE VALVE C-515



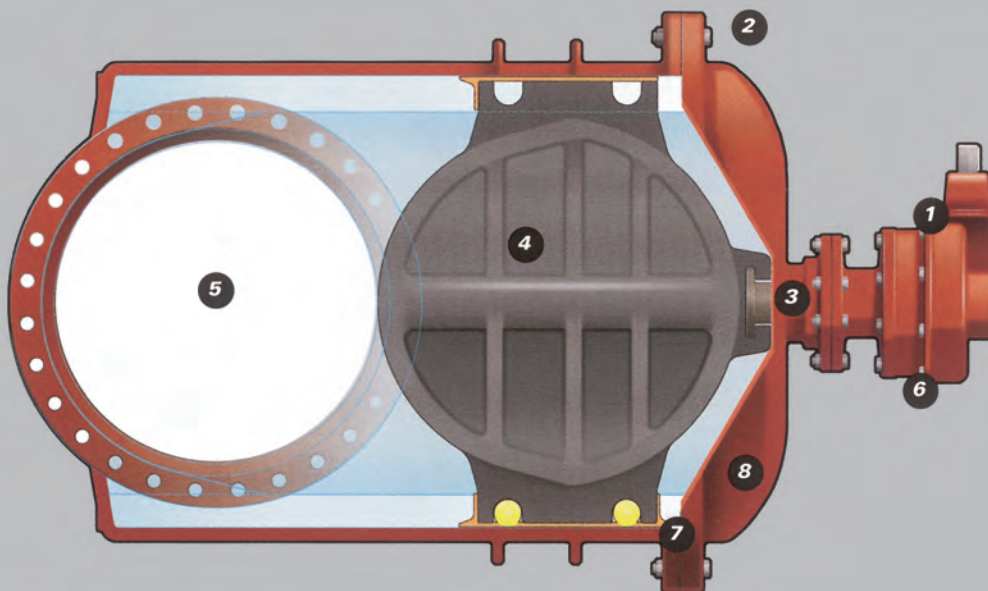
**14" THROUGH 36"
AWWA C-515
Model 2638**

**14" THROUGH 36"
DUCTILE IRON 250 PSI
Full Waterway
NSF61 Approved
C-R Coated
10 year Limited Warranty**

With Clow-American R/D CleanTrack™ Technology, The Best Just Got Better

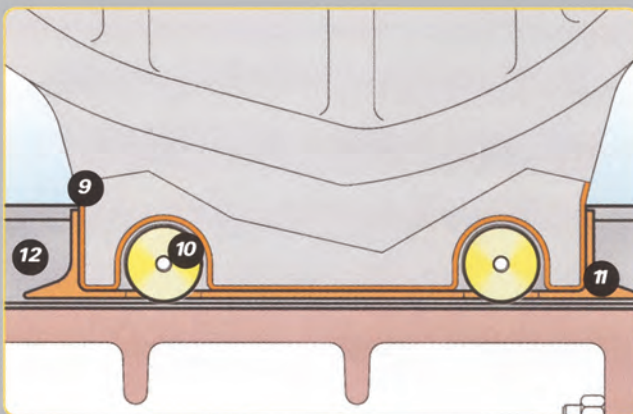
Feature-for-feature there's no better valve designed to meet your needs for efficient, trouble-free performance.

- 1 Delrin thrust bearings above and below the thrust collar reduce friction and minimize operating torques.
- 2 Stainless steel nuts and bolts provide long-life corrosion protection.
- 3 Long, trouble-free life with high strength, non-corrosive bronze stem and stem nut.
- 4 100% coated wedge ensures bubble-tight seal every time up to 250 PSI. With twin seal design.
- 5 All valves accept full size tapping cutter.
- 6 Two O-ring seals are replaceable with the valve fully open and subjected to full-rated working pressure.
- 7 O-ring seals at stuffing box and bonnet to body flanges ensures the best possible seal. There are no flat gaskets.
- 8 Clow corrosion resistant fusion-bonded epoxy coating, conforming to AWWA C-550 and NSF61 approved, protects both inside and outside of valve.



What engineers like most about the Clow-American R/D CleanTrack™ resilient wedge valves:

- » Reduces maintenance costs by eliminating the need to dig up valves for cleaning.
- » Backed by one of the most respected and trusted names in valve design and manufacturing – American R/D.
- » Meets or exceeds AWWA C515 standards.
- » Available in 30" and 36" sizes



- 9 Bronze scraper affixed to resilient wedge wing is designed for long life performance.
- 10 Rollers integrated into scraper protect valve body from damage.
- 11 Bronze scrapers designed to push sediment from stainless steel track.
- 12 Stainless steel track.

RESILIENT WEDGE VALVE

In 1975 Clow recognized the increased requirements and escalating maintenance cost of water systems in the United States.

As a leader in the gate valve industry, American R/D manufactures three different types of gate valves for the water and wastewater industry. American R/D is proud to offer its series 50 line AWWA C-500 Rotating/Revolving disc, our series 100 AWWA C-500 Solid Wedge, and our AWWA C-509 & C-515 resilient wedge gate valve.

One of our sister divisions, Clow Valve, was the first to introduce and still leads in the engineering/technology and design of this bubble tight resilient wedge gate valve.

Now, American R/D introduces its full line of resilient wedge gate valves 2"-48" which are appropriate for the water industry. These resilient wedge gate valves complement and add to the most complete AWWA gate valve line offered in our industry--- American R/D gate valves.

RECOMMENDED SPECIFICATIONS FOR RESILIENT WEDGE GATE VALVES 14" THROUGH 24"

AMERICAN R/D

The valves shall be either non-rising stem or rising stem, opening by turning stem left or right and provided with 2" square operating nut or handwheel with the word Open and an Arrow cast in the metal to indicate direction to open.

The wedge shall be of cast iron completely encapsulated with rubber.

The sealing rubber shall be permanently bonded to the cast iron wedge to meet ASTM tests for rubber metal bond ASTM D429.

Valves must be supplied with o-ring seals at all joints. No flat gaskets allowed.

Stems for NRS assemblies shall be cast bronze with integral collars in full compliance with AWWA. OS & Y stems shall be bronze. The NRS stem stuffing box shall be the o-ring seal type with two o-rings located above thrust collar and one o-ring below. The two o-rings above the thrust collar shall be replaceable with valve fully open and subjected to full rated working pressure.

There shall be two low torque thrust bearings located above and below the thrust collar. The stem nut shall be independent of the wedge and shall be made of solid bronze. There shall be a smooth, unobstructed waterway free of all pockets, cavities and depressions in the seat area.

The body and bonnet shall be coated with fusion bonded epoxy both interior and exterior, complying with AWWA C-550 and be NSF 61 approved. Each valve shall have maker's name, pressure rating and year in which manufactured cast on the body. Prior to shipment from factory, each valve shall be tested by hydrostatic pressure equal to AWWA (twice the specified working pressure) requirements.

AMERICAN R/D R/W VALVE

Features and Benefits

DELTRIN THRUST BEARINGS ABOVE AND BELOW THE THRUST COLLAR REDUCE FRICTION AND MINIMIZE OPERATING TORQUES.

ELECTRO-PLATED NUTS AND BOLTS PROVIDE LONG-LIFE CORROSION PROTECTION.

LONG, TROUBLE FREE LIFE WITH HIGH STRENGTH, NON-CORROSIVE BRONZE STEM AND STEM NUT.

100% COATED WEDGE ENSURES BUBBLE-TIGHT SEAL EVERY TIME UP TO 250 PSI. WITH TWIN SEAL DESIGN.

SMOOTH, UNOBSTRUCTED WATERWAY IS FREE OF POCKETS, CAVITIES, AND DEPRESSIONS ALLOWING FOR MINIMAL FLOW LOSS AND LOWER PUMPING COSTS.
ALL VALVES ACCEPT FULL SIZE TAPPING CUTTER.

TWO O-RING SEALS ARE REPLACEABLE WITH THE VALVE FULLY OPEN AND SUBJECTED TO FULL-RATED WORKING PRESSURE.

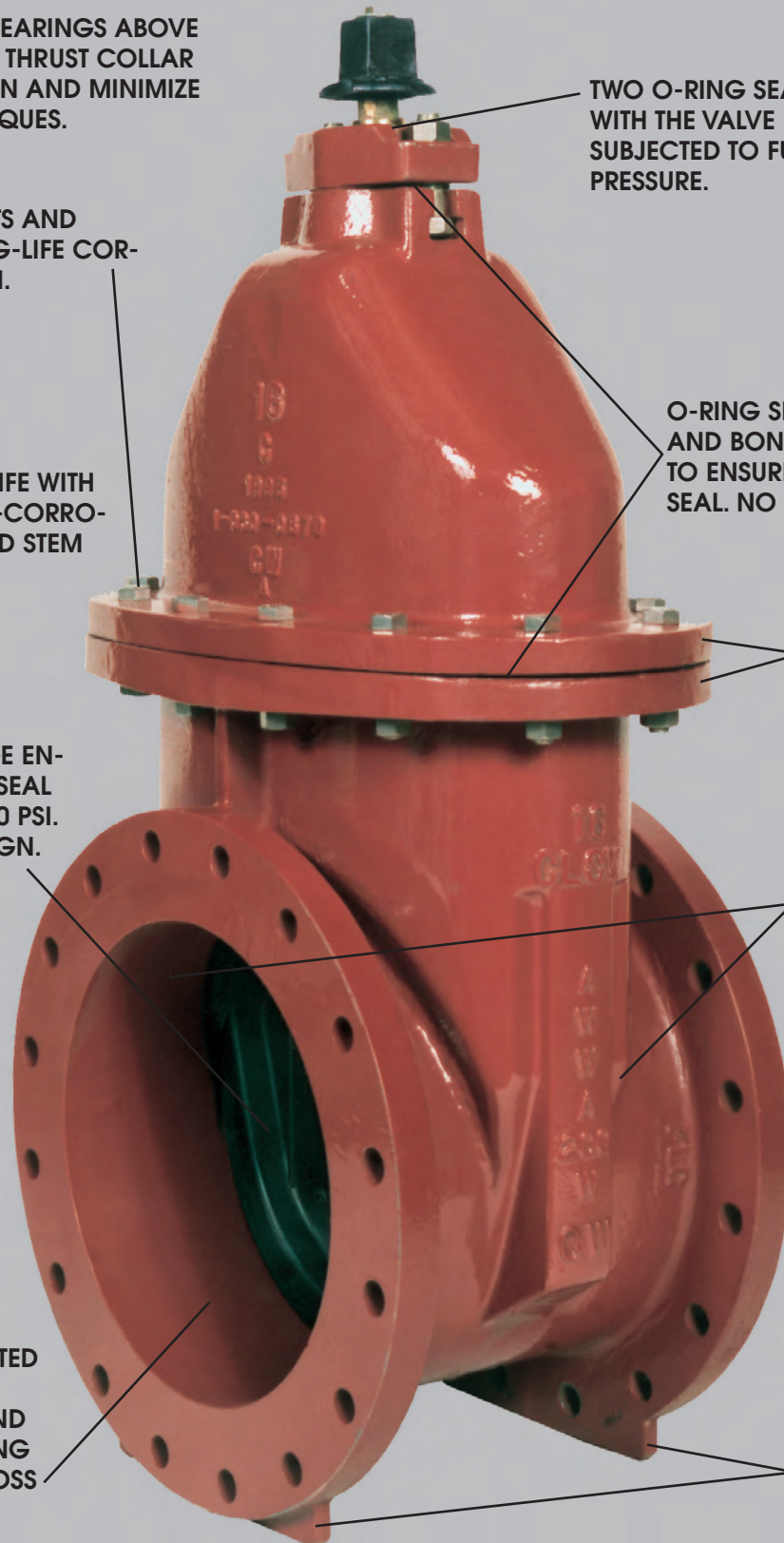
O-RING SEALS AT STUFFING BOX AND BONNET TO BODY FLANGES TO ENSURE THE BEST POSSIBLE SEAL. NO FLAT GASKETS.

DUCTILE IRON BODY AND BONNET.

AMERICAN R/D CORROSION RESISTANT FUSION-BONDED EPOXY COATING, CONFORMING TO AWWA C-550 AND NSF61 APPROVED, PROTECTS BOTH INSIDE AND OUTSIDE OF VALVE.

PADS ON THE BOTTOM OF ALL VALVES KEEP VALVE IN UPRIGHT POSITION FOR EASIER STORAGE AND PROTECTION FROM THE ELEMENTS.

ALL VALVES ARE RATED AT 250 PSI WORKING SERVICE. ALL VALVES ARE HYDROSTATICALLY TESTED TO 500 PSI. NO BYPASS VALVE NEEDED.



When U.S. water systems face a challenge, Clow-American R/D is there with a solution. In 1975, it was the introduction of the resilient wedge to meet increased requirements and escalating maintenance costs. Today, with water systems facing even more stringent regulations and more demanding bottom-line accountability, American R/D does it again with a new generation of resilient wedge valves. To improve overall flow and reduce maintenance costs, Clow-American R/D engineered a plow into the design of its new generation of resilient wedge valves. Reducing sediment buildup in valves has always been a costly proposition. The buildup not only robs your system of maximum efficiency, but cleaning out sediments-laden valves means costly and time consuming valve removal and repair. The exclusive Clow-American R/D CleanTrack™ technology is changing all of that! Clow-American R/D engineers developed a unique roller-scraper system called Clow-American R/D CleanTrack™ that automatically cleans the track in the valve body when it is closed. And less sediment buildup means optimum flow and reduced maintenance costs for you.

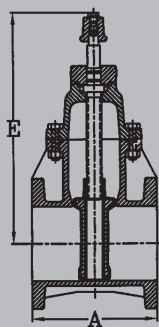
For an online demonstration of American R/D's new line of resilient wedge valves with American R/D CleanTrack™ technology, visit www.American-R/D.com

C-515 30" & 36" RESILIENT WEDGE GATE VALVE

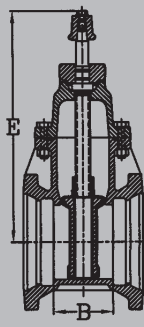
Sample Specification

1. Valves shall conform to AWWA Standard C-515 covering Resilient Seated Gate Valves for Water Supply Service, and be rated for 250 psig cold water working pressure.
2. The valves shall have a ductile iron body, bonnet, and stuffing box. The wedge shall be ductile iron and 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 or conventional type packing shall be allowed on NRS valves.
5. The valves shall be non-rising stem, opening by turning clockwise or counter-clockwise, and provided with a 2" square operating nut or a handwheel.
6. Stems for NRS assemblies shall be brass with integral collars in full compliance with AWWA. Stems shall operate with brass stem nuts independent of wedge and of stem. Stainless steel stems or stem nuts are not allowed. NRS stems shall have two o-rings located above thrust collar and two o-rings below. Stem o-rings above the thrust collar shall be replaceable with valve fully opened and subjected to full pressure. The stems shall also have one low torque thrust bearing located above and one below the stem collar to reduce friction during operation.
7. Valves shall accept a full size tapping cutter.
8. The body, bonnet, and stuffing box shall be fusion-bond epoxy coated, both interior and exterior. Epoxy shall be applied in accordance with AWWA C-550 and be NSF61 approved.
9. Each valve shall have maker's name, pressure rating, 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 C-515.
10. Valves shall be provided with bevel gears (horizontal) or spur gears (vertical) as indicated.
11. Valves in sizes 30" and larger shall have brass bushings where the stem passes through the bonnet.
12. All external bolting materials shall be stainless steel and have hexagonal heads.
13. All valves to be installed horizontal in a horizontal pipeline shall include Clow American R/D CleanTrack™ Technology (C²T²). C²T² consists of bronze rollers housed in a bronze scraper on the bottom of the wedge, traveling in a 316 stainless steel track.
14. Valves shall have component parts cast, machined, assembled, and tested and shall be the American R/D Resilient Wedge Gate Valve.

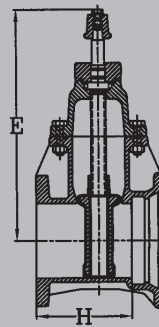
AVAILABLE END CONNECTIONS & DIMENSIONS FOR 14" – 36" AMERICAN R/D RESILIENT WEDGE VALVE



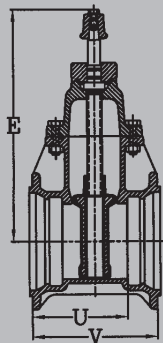
**F-6102
FLANGED
14"-36"**



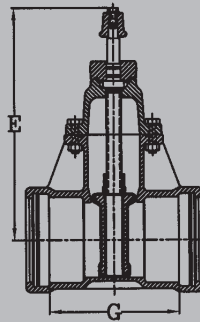
**F-6100
MECHANICAL JOINT
14"-36"**



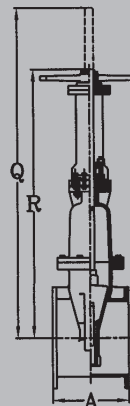
**F-6114
FLGD. & MECH. JT.
14"-36"**



**F-6112
MECH. JT. FOR TAPPING
14"-24"**

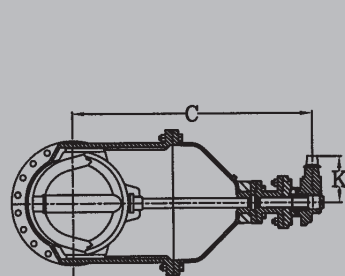


**F-6112
TYTON ENDS
FOR DUCTILE IRON
AND C900 PVC PIPE
16"**

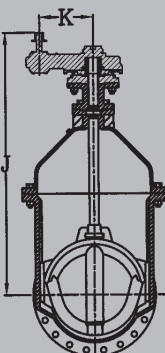


**F-6136
FLGD. OS&Y CONSTRUCTION
14"-16"**

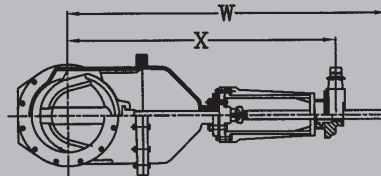
NOTE:
It is recommended that valves be installed with stems vertical when used in raw sewage or sludge applications or in water with excessive sediment.



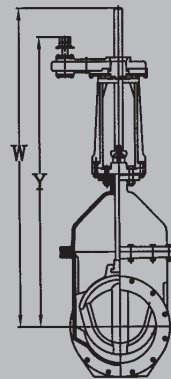
**ALL END STYLE
BEVEL GEARING
HORIZONTAL INSTALLATION**



**ALL END STYLE
SPUR GEARING
VERTICAL INSTALLATION**



**ALL END STYLE OS&Y
BEVEL GEARING
HORIZONTAL INSTALLATION**



**ALL END STYLE OS&Y
SPUR GEARING
VERTICAL INSTALLATION**

	A	B	C	D	E	G	H	J	K	Q	R	S	U	V	W	X	Y	No. of Turns To Full Open	No. of Turns w/ Gearing
14"	15	10	46 3/8	9	37 3/4	-	13 1/2	52 1/8	8	74 3/4	59 3/4	22	13 1/4	16 3/4	76	59 7/8	64 1/2	52	2X
16"	16	10	45 3/8	9	37 3/4	10 1/2	13	51 1/8	8	74 3/4	59 3/4	22	12 3/4	16 1/4	76	59 7/8	64 1/2	52	
18"	17	11 3/4	53 3/4	10	-	-	14 7/8	58	12	-	-	-	14 5/8	18 1/8	90 7/8	70 1/8	74 5/8	64	3X
20"	18	11	52 3/4	10	-	-	14 1/2	57	12	-	-	-	14 1/2	18	90 7/8	70 1/8	74 5/8	64	
24"	20	12	57 7/8	10	-	-	17	62 5/8	12	-	-	-	17	20 1/2	103 5/8	78 7/8	83 1/2	76	
30"	26 1/2	27 1/2	73 3/4	14.84	-	-	27	80 1/8	14	-	-	-	-	-	-	-	-	98	6X
36"	30 3/4	30 3/4	83 7/16	14.84	-	-	30 5/8	89 3/4	14	-	-	-	-	-	-	-	-	114	

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