

American R/D

RESILIENT WEDGE VALVE C-509



**2" THROUGH 12"
Model 2639/2640**

2", 2½", 3", 4", 6", 8", 10", & 12"
AWWA C-509 250 PSI
ULFM Approved 200 PSI
NSF61 Approved
Full Water Way
C-R Coated
10 Year Limited Warranty

RESILIENT WEDGE VALVE

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

American R/D VALVE COMPANY

Valves shall conform to the latest revision of AWWA Standard C-509 covering resilient seated gate valves and be approved by ULFM.

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 shall 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 C550 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 requirement for both AWWA (twice the specified working pressure) and 400 PSI ULFM requirements.

AMERICAN R/D ULFM - AWWA R/W VALVE

Features and Benefits

DELFIN 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.

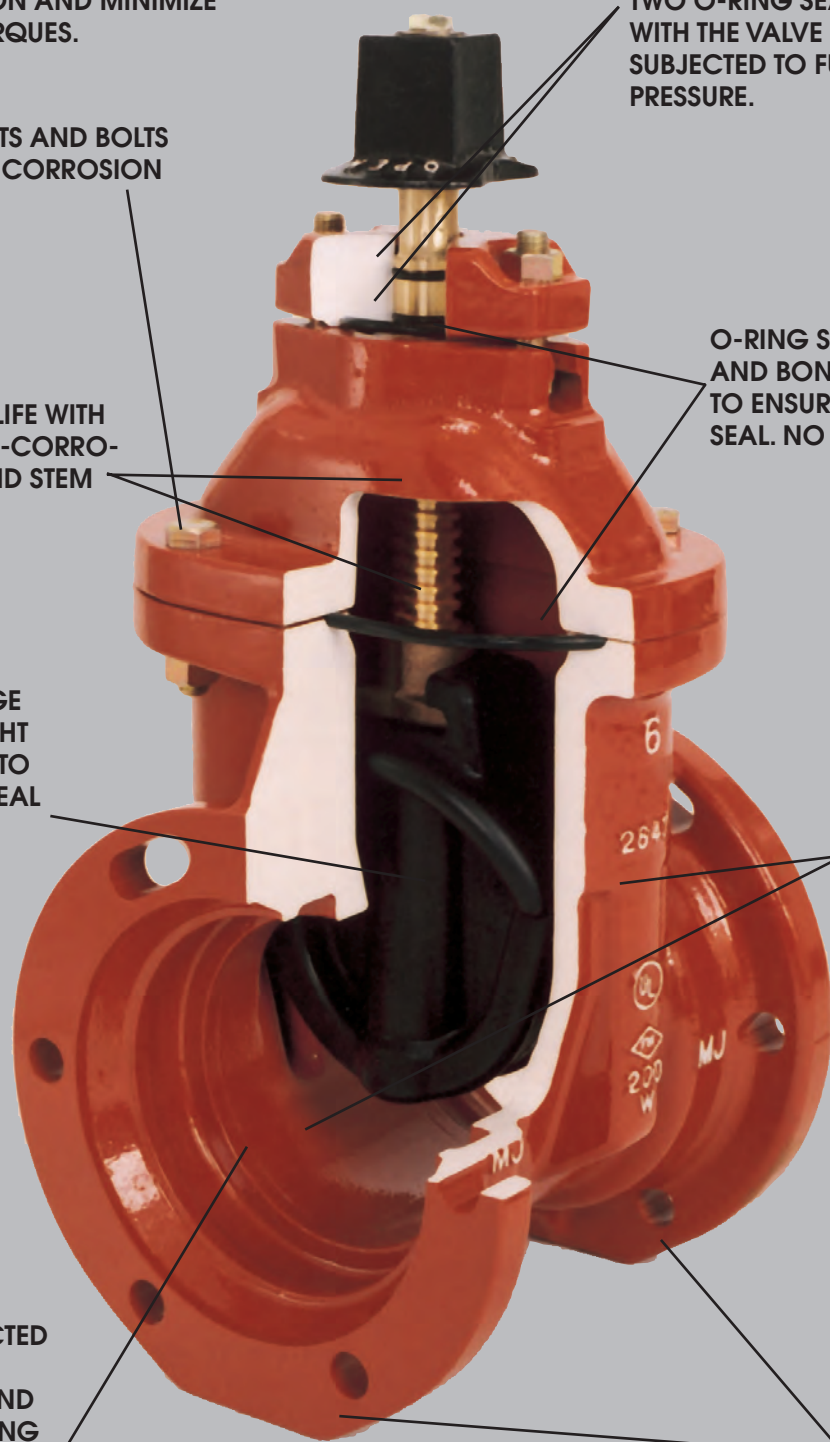
TWO O-RING SEALS ARE REPLACEABLE WITH THE VALVE FULLY OPEN AND SUBJECTED TO FULL-RATED WORKING PRESSURE.

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

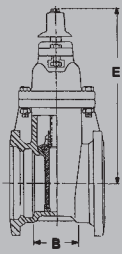
AMERICAN R/D CORROSION RESISTANT FUSION-BONDED EPOXY COATING, CONFORMING TO AWWA C-550 AND NSF61 AP-PROVED, PROTECTS BOTH INSIDE AND OUTSIDE OF VALVE.

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

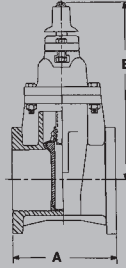
ALL VALVES ARE RATED AT 250 PSI FOR AWWA SERVICE AND 200 PSI FOR ULFM SERVICE. ALL VALVES ARE HYDROSTATICALLY TESTED TO 500 PSI.



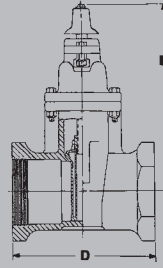
AVAILABLE END CONNECTIONS & DIMENSIONS FOR 2" - 12" C-509 AMERICAN R/D RESILIENT WEDGE VALVE



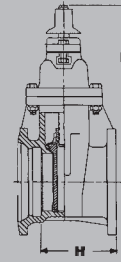
F-6100
MECHANICAL JOINT
2" • 12"



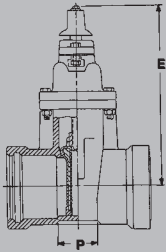
F-6102
FLANGED
2" • 12"



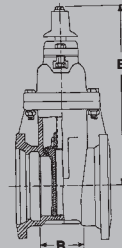
F-6103
THREADED ENDS
2" • 3"



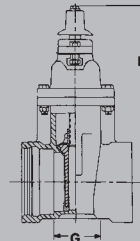
F-6106
FLGD. & MECH. JT.
3" • 12"



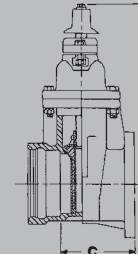
F-6110
PUSH ON FOR
SDR PVC
2" • 8"



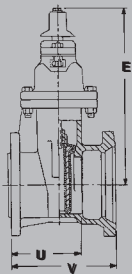
F-6111
MECHANICAL
CUTTING IN JOINT
4" • 12"



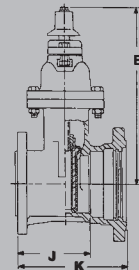
F-6112
TYTON ENDS
FOR DUCTILE IRON
AND C900 PVC PIPE
4" • 12"



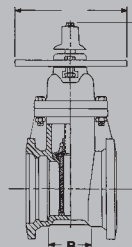
F-6113
FLANGED & TYTON
4" • 12"



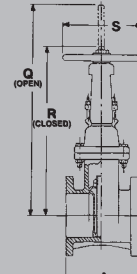
F-6114
MECH. JT. FOR TAPPING
4" • 12"



F-6115
TYTON FOR TAPPING
4" • 8"



F-6120
MECHANICAL JOINT
INDICATOR POST VALVE
2" • 12"



F-6136
FLGD. OS & Y CONSTRUCTION
2 1/2" • 12"

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.

Model 2639/2640

	A	B	C	D	E	G	H	J	K	P	Q	R	S	U	V	No. of Turns to Full Open
2"	7	3-1/4	-	5-1/4	10-7/8	-	-	-	-	3	-	-	7-1/4	-	-	4-3/4
2 1/2"	7-1/2	-	-	7	11-3/8	-	-	-	-	3-1/4	16-3/8	13-7/8	7-1/4	-	-	5-1/2
3"	8	3-1/2	-	7-1/8	12-3/8	-	5-3/4	-	-	3-1/2	18-7/8	15-5/8	10	-	-	10
4"	9	4-1/2	6-3/4	-	14-3/4	4-1/2	6-3/4	6-3/4	10-3/8	4-1/2	22-3/4	18-1/4	10	6-3/4	9-1/4	13-1/2
6"	10-1/2	5-1/2	7-7/8	-	19	5-1/4	7-3/4	8-1/4	12	5	30-1/8	23-3/4	12	8	10-1/2	19-1/2
8"	11-1/2	8-1/2	8-1/2	-	22-1/2	5-5/8	9-3/4	8-1/2	12-3/4	5-1/2	37-3/4	29-1/4	14	10-3/4	13-1/4	25-1/2
10"	13	10-1/2	10	-	26-1/2	7	11-3/4	-	-	-	45-3/4	35-3/8	18	11-3/4	14-1/4	31-1/2
12"	14	10-3/4	11-1/4	-	30	8-1/2	12-3/8	-	-	-	53-1/8	40-3/8	18	12-3/8	15	37-3/4

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