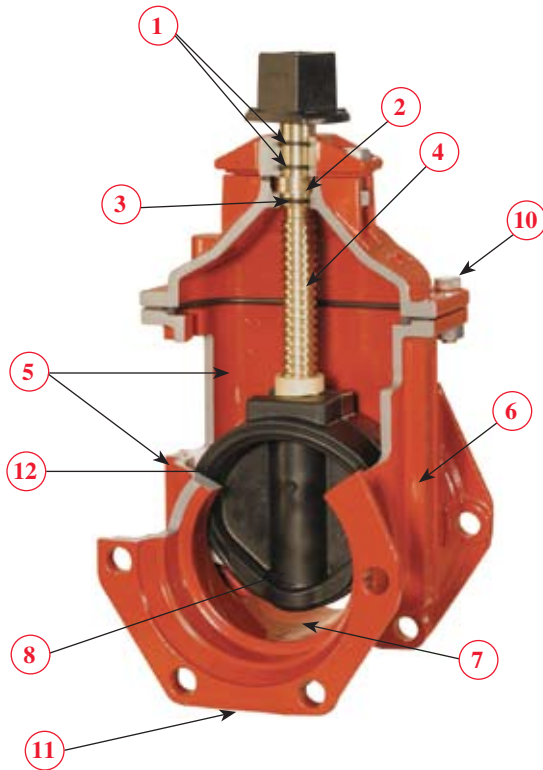


AFC-2500 Ductile Iron Gate Valve



Not since the butterfly valve was introduced has a product had as much impact on the waterworks industry as the Resilient Seated Gate Valve. Now we have taken a great product and made it even better through the process of value engineering. The Model AFC-2500 Ductile Iron Gate Valve incorporates the proven features of our cast iron valves and adds all the advantages inherent in ductile iron construction — greater strength, higher pressure rating, increased safety factor, greater durability and lighter weight. The AFC-2500 Ductile Iron Gate Valve is easier to work with during construction due to its lighter weight yet it possesses far greater strength than cast iron valves to resist abuse both during installation and in service.

The combination of ductile iron construction with the proven features of the resilient wedge valve, make for a truly superior valve, ideal for use in drinking water distribution, fire protection, and wastewater applications. These features include: absolute shut off, low torque operation, minimal maintenance and full fusion bonded epoxy coating with stainless steel nuts and bolts to provide superior corrosion resistance.

The AFC-2500 Ductile Iron Gate Valve offers a 250 psi standard working pressure rating, which exceeds the working pressure rating requirements of AWWA C-515 by 25%.

Features:

1. **Upper “O”-ring seals** - can be replaced while the valve is fully open and under pressure (meets AWWA C-515 requirements).
2. **Thrust Washers** - minimize operating torque.
3. **Lower “O”-ring seal** - (meets or exceeds AWWA C-515 requirements for sealing).
4. **High strength bronze stem and nut** - resists corrosion and abuse (meets or exceeds all applicable AWWA C-515 Standards).
5. **Fusion bonded epoxy coating inside and out** - ensures maximum corrosion resistance for long service life (meets or exceeds all applicable AWWA C-550 Standards).
6. **Ductile iron construction** - stronger, lighter and easier to handle.
7. **Smooth, full diameter waterway** - no recesses to trap debris or obstruct flow.
8. **Unique wedge design** - special geometry and elastomer covering ensure drop tight seal every time with low stem torque.
9. **250 PSI working pressure** - (exceeds pressure requirements of AWWA C-509 and C-515).
10. **Type 18-8 stainless steel body bolts & nuts** - are standard.
11. **Flat flange bottoms** - to facilitate ease of installation (blocking) and storage.
12. **Anti-rotation seat** - prevents “T” head bolts from turning in slot.
13. **UL and FM approved.**
14. **Delrin slides** - affixed to wedge for reduced torque and wear (on valves 4” and larger).



AFC-2500 24" RW Valve with Gear Operator

Valves and Tapping Sleeves C-2

Resilient Wedge Valves AFC-2500



MJ X MJ



MJ - PIV



MJ X TAPPING

SIZE (in.)	DIR. TO OPEN	WORKING PRESSURE	PRODUCT NUMBERS				MAX. CUTTER SIZE	TURNS TO OPEN
			THREADED	MJ X MJ	*MJ X PIV	*MJ X TAPPING		
2	OR	250	39137	39138	NA	NA	NA	9
	OL		39141	39139	NA	NA		
3	OR	250	NA	39152	NA	NA	NA	13
	OL		39153	NA	NA			
4	OR	250	NA	39194 1	39254 1	39191 1	4"	14
	OL		39195 3	39253 1	39192 1			
6	OR	250	NA	39335 1	39434 1	39317 1	6"	20
	OL		39336 3	39435 1	39318 1			
8	OR	250	NA	39471 1	39633 1	39497 2	8"	26
	OL		39469 2	39634 1	39498 1			
10	OR	250	NA	39667 1	39855 1	39687 1	10"	32
	OL		39668 1	39856 1	39688 1			
12	OR	250	NA	39884 2	40090 1	39889 1	12"	38
	OL		39887 2	40091 1	39888 1			
16	OR	250	NA	40189	—	40491	16"	50
	OL		40190	—	40492			
24	OR	250	NA	40400	—	40405	24"	73
	OL		40401	—	40406			
30	OR	250	NA	NS	—	NS	30"	568 w/gearing
	OL		NS	—	NS			
36	OR	250	NA	NS	—	NS	36"	672 w/gearing
	OL		NS	—	NS			
42	OR	250	NA	NS	—	NS	42"	694 w/gearing
	OL		NS	—	NS			
48	OR	250	NA	NS	—	NS	48"	789 w/gearing
	OL		NS	—	NS			

* See pages C-12 –17 for Tapping Sleeves and page C-11 for MJ Cut-In Valves and Sleeves and PIV Indicator Posts.
NOTE: Other size valves and end connections are available. Please call your local Team EJP sales office for more information.

SPECIFICATIONS:

- Meets or exceeds the requirements of AWWA C-515 and will be UL listed and FM approved.
- Resilient Wedge Valve shall be completely manufactured of lightweight, high-strength ductile iron with a wall thickness which meets or exceeds the requirements of AWWA C-153.
- Wedge shall be constructed of ductile iron, fully encapsulated in EPDM rubber per AWWA C-515 with delrin slides affixed to the wedge.
- The wedge shall be symmetrical and seal equally well with flow in either direction.
- Valve body and bonnet shall be fusion bonded epoxy coated, inside and out per AWWA C-550.

- All seating surfaces in body shall be inclined to the vertical at a minimum angle of 32° (when stem is in a vertical position) to eliminate abrasive wear of rubber sealing surfaces.
- Stem shall be sealed by at least three “O”-rings; stem seals above the thrust collar shall be replaceable with valve fully open and while subjected to full rated working pressure.
- Waterway shall be smooth and shall have no depression or cavities in seat area where foreign material can lodge and prevent closure or sealing.
- All exterior nuts and bolts shall be 5/8" minimum diameter and shall be Type 18-8 stainless steel as a standard.
- Full ten (10) year money back warranty.