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KENNEDY VALVE

A DIVISION OF MCWANE, INC | ASSOCIATED WITH AWWA, NSF AND ULFM

C-515 REDUCED WALL DUCTILE IRON RESILIENT WEDGE VALVE



4" THROUGH 12"

MODEL KS-RW

**AWWA C-515
AWWA C-550**



Approved

PROUDLY



**MADE IN ANNISTON, ALABAMA
USA**

C-515 DUCTILE IRON RESILIENT WEDGE VALVE

During the decade of the 1980's, the waterworks industry was introduced to the Resilient Seated Gate Valve, a design principal that is dominate in preference for use in distribution systems. Kennedy Valve Company was at the forefront in this industry-wide movement by introducing the Style 4067, our AWWA C509 Resilient Seated Gate Valve.

After the official adoption of the AWWA C515 specification, Kennedy once again is on the forefront of modern valve design and construction.

The Kennedy Model KS-RW Resilient Seated Gate Valve embodies all of the latest valve technology for simplicity, durability and superior performance. With the end user in mind, Kennedy engineering designed the Kennedy Model KS-RW to be fully interchangeable with the Kennedy C509 Style 4067. Kennedy Model KS-RW meets or exceeds AWWA C515 and C550 in all sizes. Kennedy C515 valves are listed by Underwriters Laboratories and are approved by Factory Mutual Research. With no compromise in materials or workmanship, Kennedy Model KS-RW valves carry a 10 year limited warranty. . . it's the clear choice of those who demand the best.

RECOMMENDED SPECIFICATIONS FOR C-515 DUCTILE IRON RESILIENT WEDGE GATE VALVES

KENNEDY VALVE COMPANY

Valves shall conform to the latest revision of AWWA Standard C-515 covering resilient seated gate valves for all water supply service.

The Valves shall have a ductile iron body, bonnet, and o-ring plate. The wedge shall be totally encapsulated with rubber. Blind bolts shall not be allowed.

The sealing rubber shall be permanently bonded to the wedge per ASTM D429.

Valves shall be supplied with o-ring seals at all pressure retaining joints. No flat gaskets shall be allowed. . Blind bolts shall not be allowed.

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.

Stems for NRS assemblies shall be cast bronze with integral collars in full compliance with AWWA. OS&Y (rising stems) shall be bronze. All stems shall operate with bronze stem nuts independent of wedge and of stem (in NRS valves). Stainless steel stems or stem nuts are not allowed. NRS 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 NRS stems on 4"-12" shall also have two low torque thrust bearings located above and below the stem collar to reduce friction during operation.

Waterway shall be smooth, unobstructed and free of all pockets, cavities and depressions in the seat area. Tapping valves 4" and larger shall accept a full size tapping cutter.

The body, bonnet, and o-ring plate shall be fusion-bond epoxy coated, both interior and exterior on body and bonnet. Epoxy coating shall be NSF 61 approved and applied in accordance with AWWA C550.

Each valve shall have manufacturers 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 (and UL/FM where applicable).

Valves shall have all component parts cast and assembled in the USA and shall be manufactured by the Kennedy Valve Company.

Kennedy ULFM - AWWA R/W VALVE

Features and Benefits

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

THE OPERATING MECHANISM IS TRIPLE O-RING SEALED TO COMPLETELY SEAL AGAINST LEAKAGE PAST THE STEM. TWO O-RINGS ARE PROVIDED ABOVE THE THRUST COLLAR AND ONE BELOW. UPPER O-RINGS CAN BE REPLACED UNDER PRESSURE WITHOUT REMOVING THE STEM WHEN THE VALVE IS FULLY OPENED.

ELECTRO-PLATED NUTS AND BOLTS PROVIDE LONG-LIFE CORROSION PROTECTION. STAINLESS STEEL BOLTS AND NUTS ARE AVAILABLE WHEN REQUESTED.

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

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

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

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

ELLIPTICAL BOLT HOLE DESIGN ELIMINATES THE NEED FOR ANTI-ROTATION BOLTS

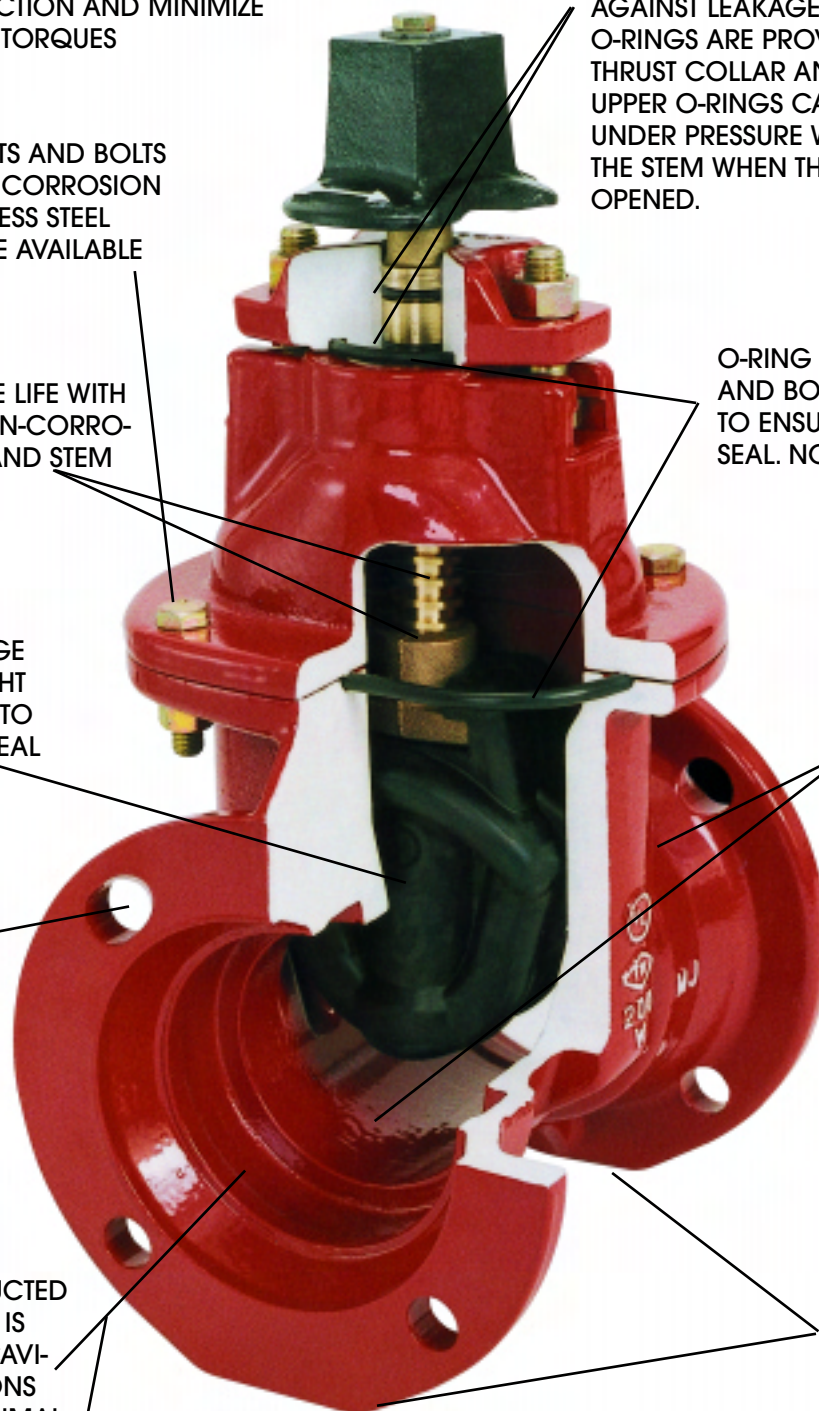
SMOOTH, UNOBSTRUCTED FULL SIZE WATERWAY IS FREE OF POCKETS, CAVITIES, AND DEPRESSIONS ALLOWING FOR MINIMAL FLOW LOSS AND LOWER PUMPING COSTS.

ALL TAPPING VALVES ACCEPT FULL SIZE TAPPING CUTTER.

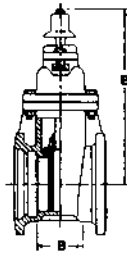
ALL VALVES ARE RATED AT 250 PSI FOR AWWA SERVICE AND 200 PSI FOR ULFM SERVICE. ALL VALVES ARE HYDROSTATICALLY TESTED TO 500 PSI.

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

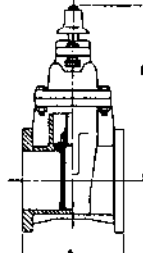
10 YEAR LIMITED WARRANTY



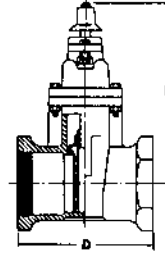
AVAILABLE END CONNECTIONS & DIMENSIONS FOR KENNEDY 4" - 12" C-515 DUCTILE IRON RESILIENT WEDGE VALVE



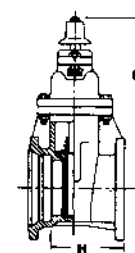
7571
MECHANICAL JOINT ENDS
2" • 12"



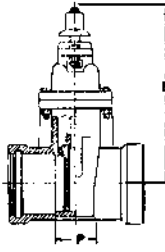
7561
FLANGED ENDS
2" • 12"



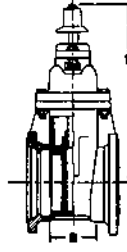
7057
THREADED ENDS
2" • 3"



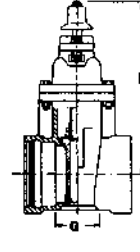
7572
FLANGED X MJ
3" • 12"



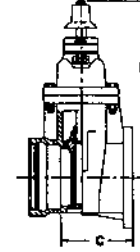
7597
PUSH-ON FOR PVC
2" • 8"



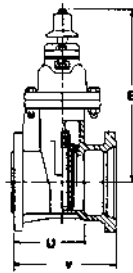
7576
MECHANICAL CUTTING-IN JOINT
4" • 12"



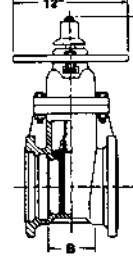
7901
TYTON ENDS PUSH-ON FOR (D.I. & C900)
4" • 12"



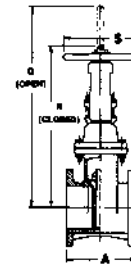
7902
FLANGED & TYTON JOINT PUSH-ON FOR (D.I. & C900)
4" • 12"



7590
TAPPING X MJ TAPPING VALVE
4" • 12"



7571-P
MECHANICAL JOINT POST INDICATOR VALVE (PIV)
2" • 12"



7068
FLANGED ENDS OS&Y CONSTRUCTION
2 1/2" • 12"

Model KS-RW

***NOTE 2" TO 3" VALVES ARE FULL WALL DUCTILE IRON

	A	B	C	D	E	G	H	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 7/8	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	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	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	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 5/8	18	12 3/8	15	37 3/4



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A DIVISION OF MCWANE, INC.
www.kennedyvalve.com

1021 E. Water Street
Elmira, New York 14901
P.O. Box 981
Phone (607) 734-2211
Fax 1-607-734-3288