

KENNEDY VALVE KENSEAL II RESILIENT WEDGE VALVES

KENNEDY VALVE

KENNEDY VALVE AWWA Resilient Wedge Gate Valves Meet or Exceed the Requirements of AWWA Standard C509 UL-262/FM-1120/1130 ULC-Underwriters' of Canada

Size Range	Water Working Pressure psi	Bubble-Tight Test psi	Hydrostatic Shell Test psi
2"-12"	250 Water Works 200 Fire Protection	250 & 400	500

Available in either non-rising stem or outside screw & yoke.

Available End Connections & Size Range		Figure No. (STD)	Figure No. with Post Plate
Fig. End (NRS)	2" - 16"	4561	4701 (3" - 12")
M.J.	2" - 16" (except 2 1/2")	4571	4071 (3" - 12")
Fig. & M.J.	3" - 16"	4572	4072 (3" - 12")
Push-on for PVC (SDR)	2" - 8"	4597	4597P (3" - 8")
Fig. End (OS & Y)	2 1/2" - 16"	4068	N/A
M.J. for Tapping	4" - 16"	4950	4950P
Push-on for D.I. & C900 PVC	4" - 12" - 16"	4901	4901P
M.J. Cutting-in	4" - 12"	4576	(Consult K.V.)
Push-on D.I. X Fig.	4" - 12"	4902	4902P
Threaded	2" - 3"	4057	4057P (3" only)
Push-on for Tapping	4" - 8"	4954	—

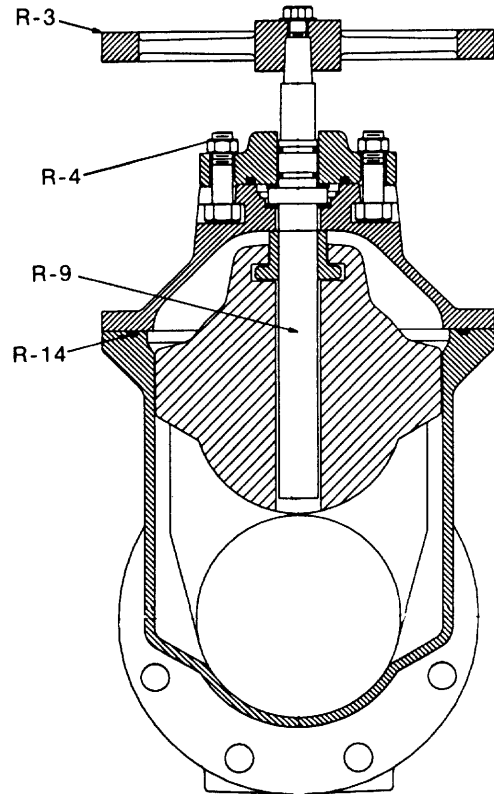
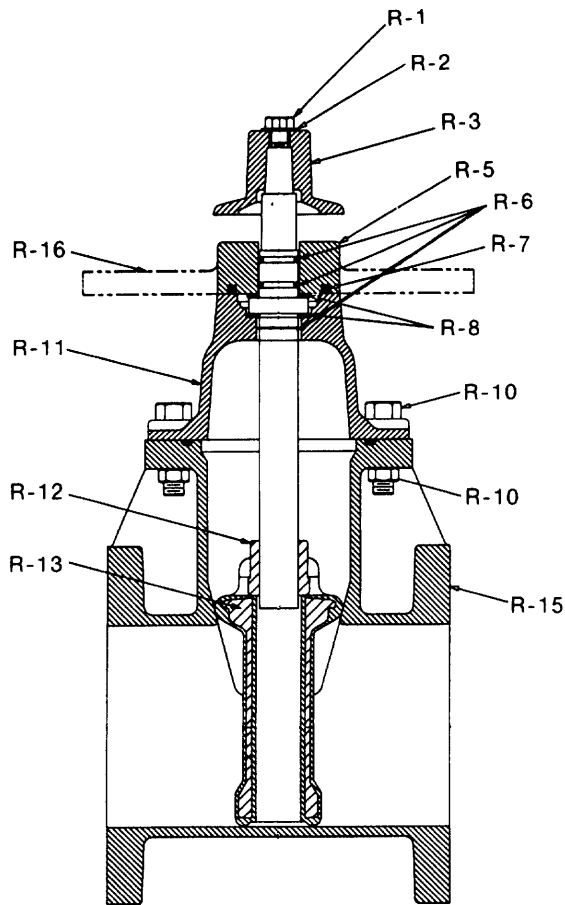
Accessories

Indicator Posts	Handwheels
"T" Handles	Extension Stems
Stem Guides	Floor Boxes
2" Sq. Operating Nuts	Chain Wheels
Floorstands (non-rising stem)	

NOTE: 14" size and larger are not UL Listed/FM Approved

RESILIENT SET GATE VALVE N.R.S. ASSEMBLY KENSEAL II

KENNEDY VALVE

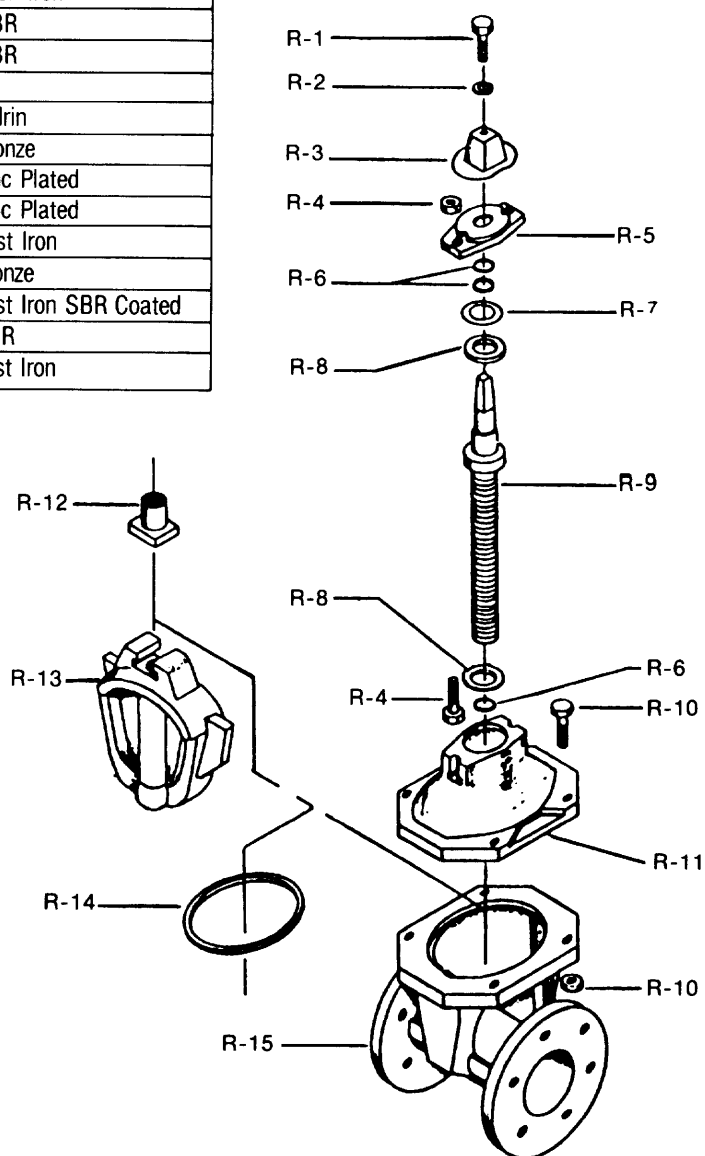


DET.	NAME OF PART		MATERIAL	ASTM SPEC.
R-1	Hex Head Bolt		Zinc Plated Steel	ASTM A307
R-2	Flat Washer		Zinc Plated Steel	ASTM A307
R-3	Operating Nut		Cast Iron	ASTM A126 Class B
	Handwheel		Cast Iron	ASTM A126 Class B
R-4	Hex. Bolt & Nut		Zinc Plated Steel	ASTM A307 / A563
R-5	Stuffing Box	2" thru 8"	Cast Iron	ASTM A126 Class B
		10" and 12"	Ductile Iron	ASTM A536 Gr. 65-45-10
R-6	O-Ring (Stem)		Buna - N	-----
R-7	O-Ring (Stuffing Box)		Buna - N	-----
R-8	Thrust Washer		Delrin	-----
R-9	Stem (AWWA Grade C)		Manganese Bronze	ASTM B584 CDA 867
R-10	Hex. Head Cover Bolts & Nuts		Zinc Plated Steel	ASTM A307 / A563
R-11	Cover		Cast Iron	ASTM A126 Class B
R-12	Stem Nut (AWWA Grade A)		Bronze (Low Zinc)	ASTM B584 CDA 844
R-13	Wedge Disc		C.I. SBR Coated	ASTM A126 Class B
R-14	O-Ring (Cover)		Buna - N	-----
R-15	Body (All Types)		Cast Iron	ASTM A126 Class B
R-16	Plate		Cast Iron	ASTM A126 Class B

RESILIENT SEAT GATE VALVE KENSEAL II (1992) ASSEMBLY — EXPLOSION

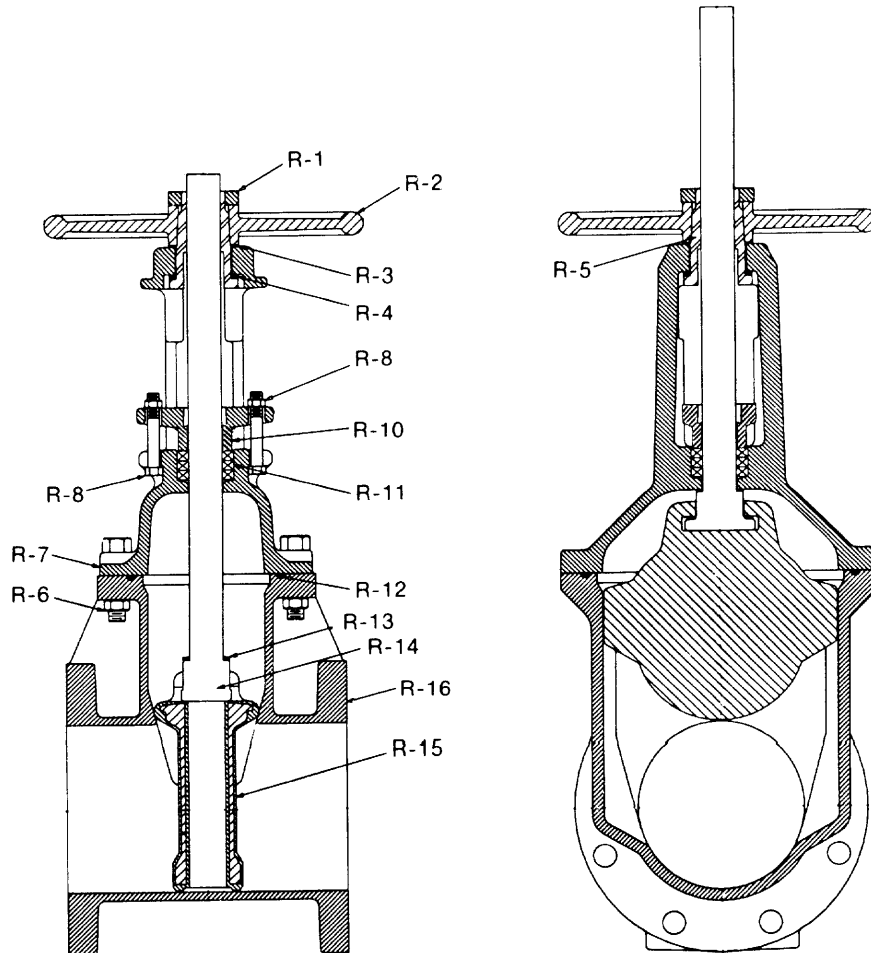
KENNEDY VALVE

DET.	QTY.	DESCRIPTION	MATERIALS
R-1	1	Hold Down Hex Bolt	Zinc Plated Steel
R-2	1	Hold Down Bolt Washer	Zinc Plated Steel
R-3	1	Sq. Operating Nut OR Handwheel (Not Shown)	Cast Iron
R-4	2	Bolt & Nut (Stuffing Box)	Zinc Plated
R-5	1	Stuffing Box	Cast Iron
R-6	3	O-Ring (Stem) 1 Below Collar	NBR
R-7	1	O-Ring (Stuffing Box)	NBR
R-8	1	Thrust Washer (Sizes 2" - 2 1/2")	Delrin
	2	Thrust Washer (Sizes 3" thru 12")	
R-9	1	Stem	Bronze
R-10	4	Cover Bolts & Nuts (Sizes 2" thru 6")	Zinc Plated
	8	Cover Bolts & Nuts (Sizes 8" thru 12")	Zinc Plated
R-11	1	Cover	Cast Iron
R-12	1	Stem Nut	Bronze
R-13	1	Wedge Disc	Cast Iron SBR Coated
R-14	1	O-Ring (Cover)	NBR
R-15	1	Body	Cast Iron



KENNEDY R/W OS & Y GATE VALVE, MATERIAL LIST KENSEAL II (1992)

KENNEDY VALVE

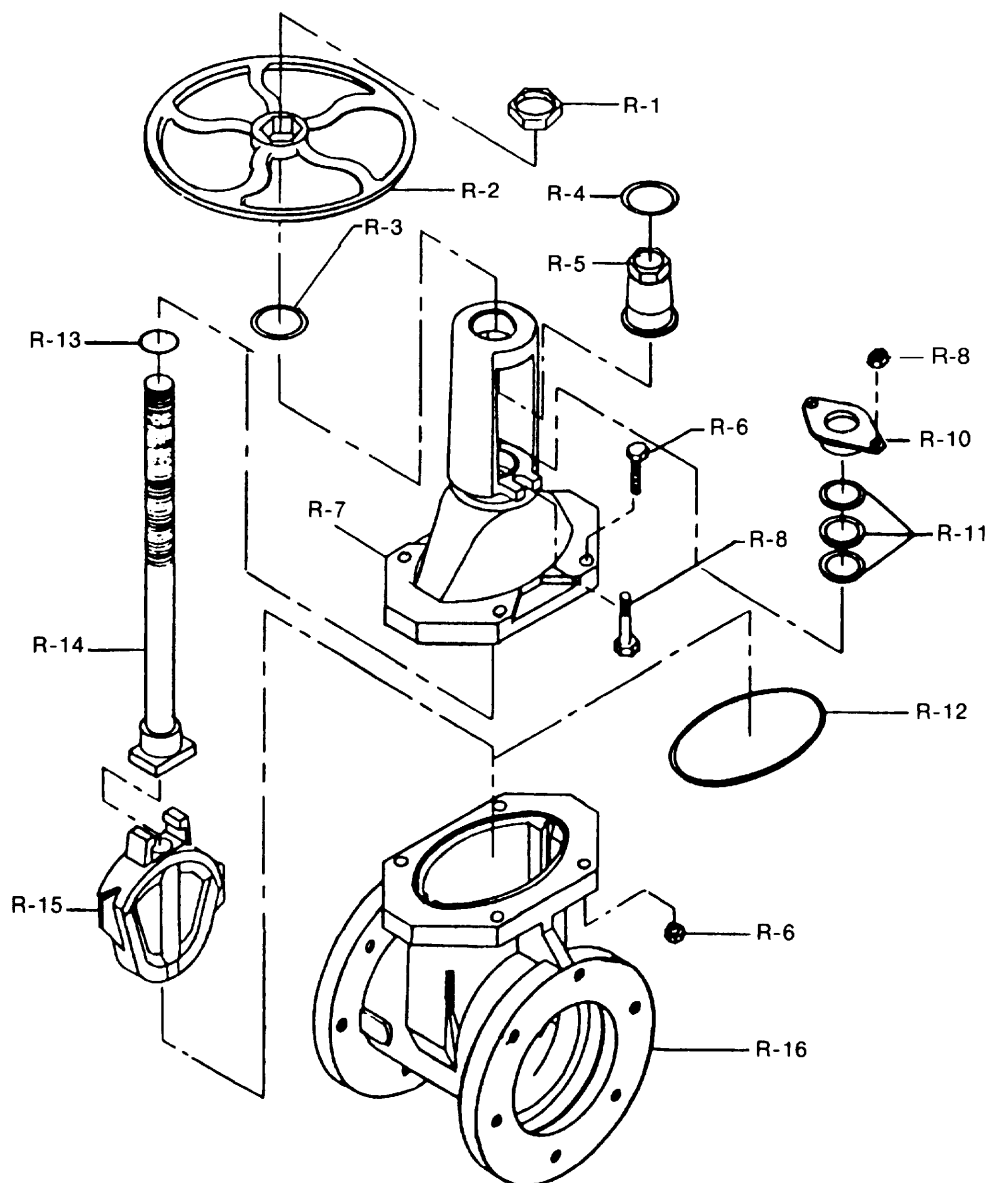


DET.	NAME OF PART	MATERIAL	ASTM SPEC.
R-1	Handwheel Nut	Bronze (AWWA Grade A)	ASTM B584 CDA 844
R-2	Handwheel	Cast Iron	ASTM A126 Class B
R-3	Upper Thrust Washer	Brass	ASTM B36 CDA 260
R-4	Lower Thrust Washer	Nylatron	-----
R-5	Yoke Nut	Manganese Bronze	ASTM B584 CDA 862
R-6	Hex. Head Cover Bolts & Nuts	Zinc Plated Steel	ASTM A307/A563
R-7	Cover	Cast Iron	ASTM A126 Class B
R-8	Packing Bolts	Zinc Plated Steel	ASTM A307
R-8	Packing Bolt Nuts	Brass	ASTM A563
R-10	Packing Gland	Cast Iron	ASTM A126 Class B
R-11	Packing	Sq. Braided Non-Asbestos	-----
R-12	O-Ring	Buna - N	-----
R-13	O-Ring (Stem)	Buna - N	-----
R-14	Stem Assembly	Bronze	ASTM B584/B21
R-15	Wedge Disc	Cl SBR Coated	ASTM 126 Class B
R-16	Body (All Types)	Cast Iron	ASTM 126 Class B

DET.	QTY.	DESCRIPTION	MATERIALS
R-1	1	Handwheel Hold Down Nut	Bronze
R-2	1	Handwheel	Cast Iron
R-3	1	Upper Thrust Washer (Sizes 3" thru 12")	Bronze
R-4	1	Lower Thrust Washer	Bronze
R-5	1	Yoke Nut	Bronze
R-6	4	Cover Bolts & Nuts (Sizes 2-1/2" thru 6")	Zinc Plated Steel
R-6	8	Cover Bolts & Nuts (Sizes 8" thru 12")	Zinc Plated Steel
R-7	1	Cover	Cast Iron
R-8	2	Packing Bolts	Zinc Plated Steel
R-8	2	Packing Bolt Nuts	Brass
R-10	1	Packing Gland	Cast Iron
R-11		Packing	Sq. Braided Polymer
R-12	1	O-Ring (Cover)	NBR
R-13	1	O-Ring (Stem)	NBR
R-14	1	Stem Assembly	Bronze
R-15	1	Wedge Disc	Cast Iron SBR Coated
R-16	1	Body	Cast Iron

RESILIENT SEAT GATE VALVE KENSEAL II (1992) - OS & Y ASSEMBLY - EXPLOSION

KENNEDY VALVE

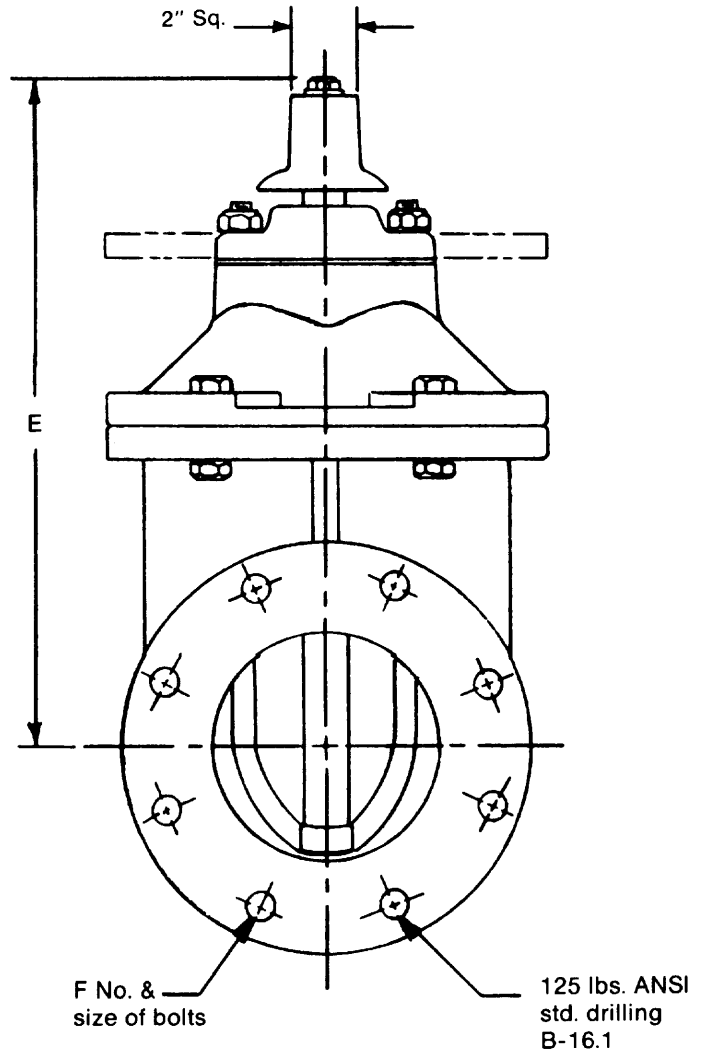
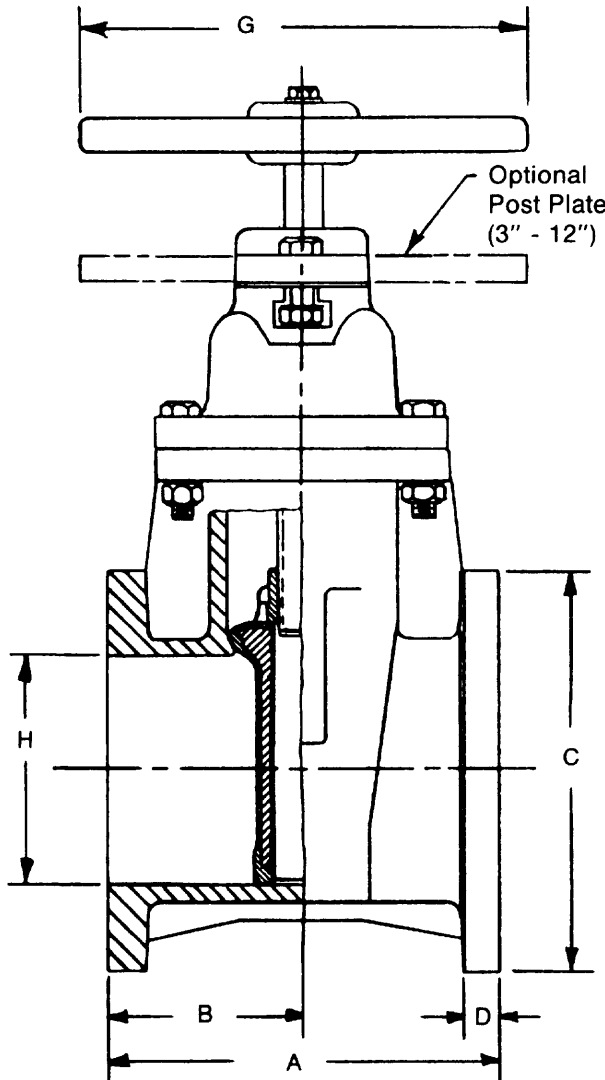


A.W.W.A Standard C509

**2"-12" KENSEAL II R/W VALVE
 FLANGED ENDS
 GENERAL DIMENSION LAYOUT**

KENNEDY VALVE

**4561 with Handwheel
 4701 with Post Plate and Nut
 4561N with Nut**



VALVE SIZE	A	B	C	D	E	F	G	H	Weight*
2	7	3-1/2	6	5/8	10-7/8	4-5/8	7-1/4	2	93
2-1/2	7-1/2	3-3/4	7	11/16	11-3/8	4-5/8	7-1/4	2-1/2	51
3	8	4	7-1/2	3/4	12-3/8	4-5/8	10	3	62
4	9	4-1/2	9	15/16	14-3/4	8-5/8	10	4-1/4	87
6	10-1/2	5-1/4	11	1	19	8-3/4	12	6-1/4	134
8	11-1/2	5-3/4	13-1/2	1-1/8	22-1/2	8-3/4	14	8-1/4	205
10	13	6-1/2	16	1-3/16	26-1/2	12-7/8	18	10-1/4	331
12	14	7	19	1-1/4	30	12-7/8	18	12-1/4	515

*Add 16# for Indicator Post Plate (3"-12" only)

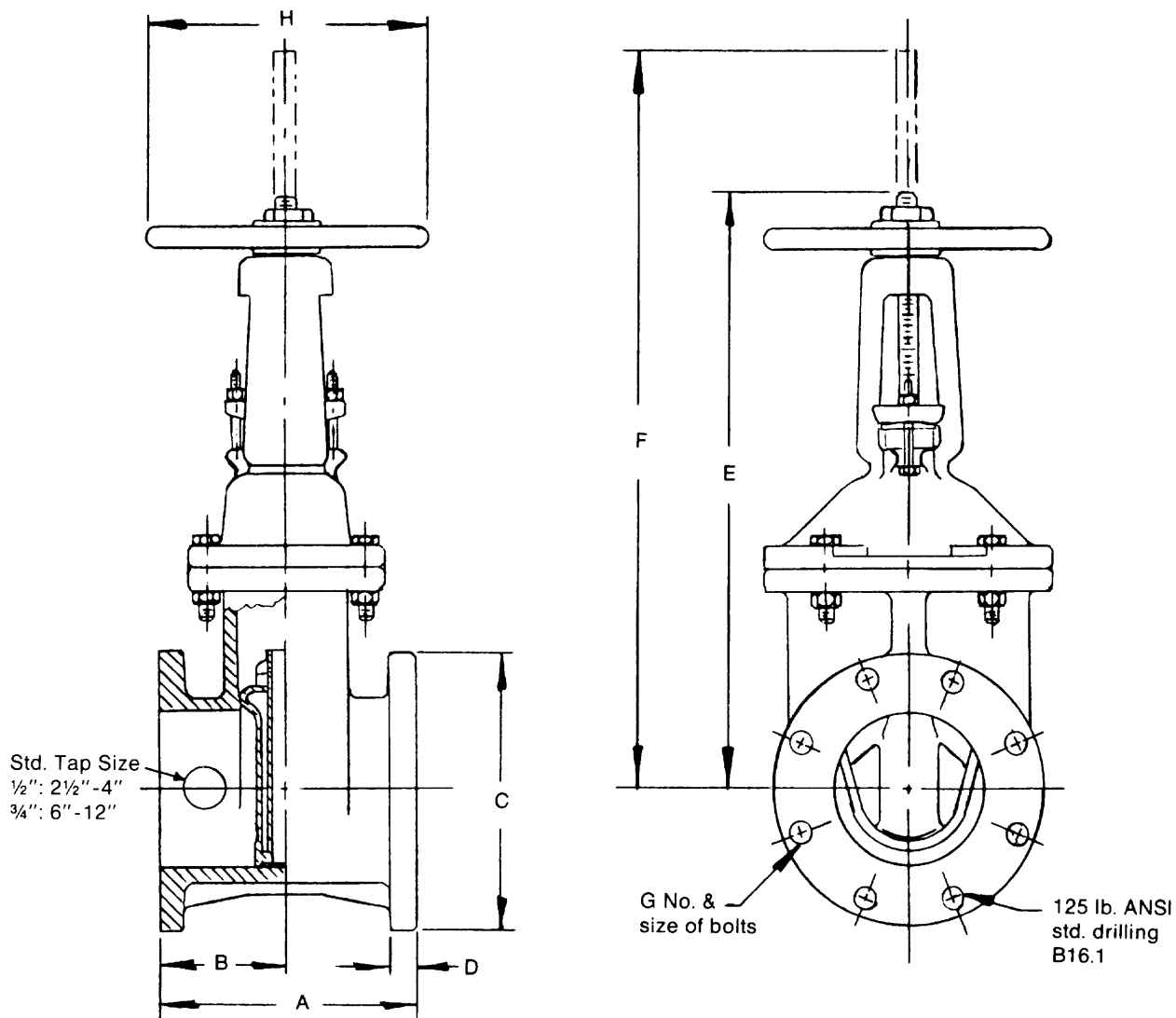


**2-1/2" - 12" KENSEAL II R/W
 VALVE - OS & Y - FLANGED END
 GENERAL DIMENSION LAYOUT**

A.W.W.A Standard C509

KENNEDY VALVE

4068



VALVE SIZE	A	B	C	D	E	F	G	H	Weight
2-1/2	7-1/2	3-3/4	7	11/16	13-7/8	16-3/8	4-5/8	7-1/4	55
3	8	4	7-1/2	3/4	15-5/8	18-7/8	4-5/8	10	70
4	9	4-1/2	9	15/16	18-1/4	22-3/4	8-5/8	10	100
6	10-1/2	5-1/4	11	1	23-3/4	30-1/8	8-3/4	12	150
8	11-1/2	5-3/4	13-1/2	1-1/8	29-1/4	37-3/4	8-3/4	14	250
10	13	6-1/2	16	1-3/16	35-3/8	45-3/4	12-7/8	18	400
12	14	7	19	1-1/4	40-5/8	53-1/8	12-7/8	18	580

4068A-Tapped & Plugged Upon Request @ Position "A"
 1/2": 2 1/2"-4"; 3/4": 6"-12"

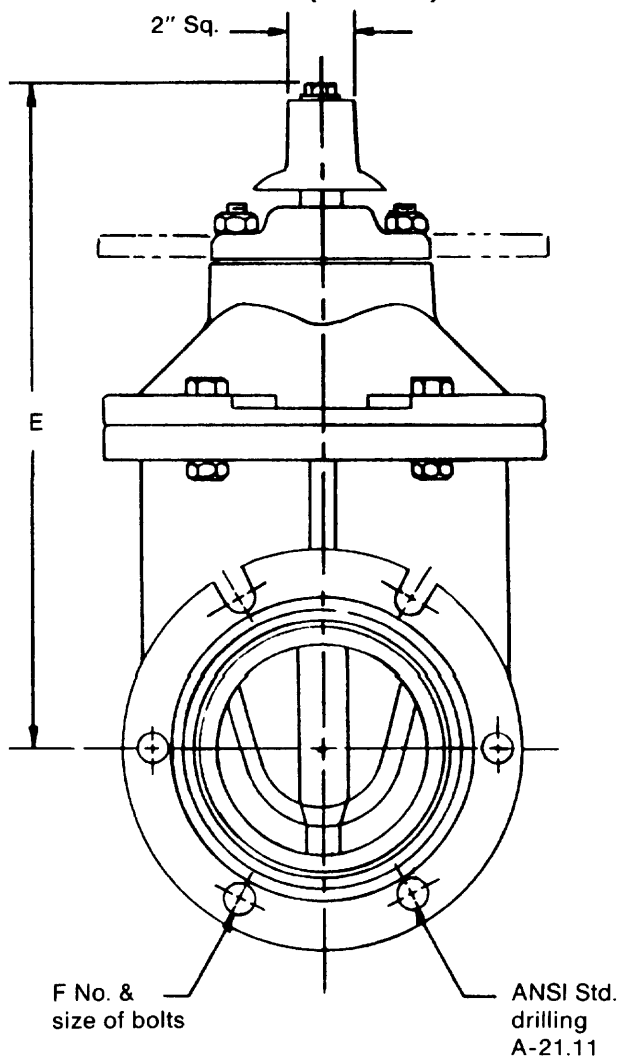
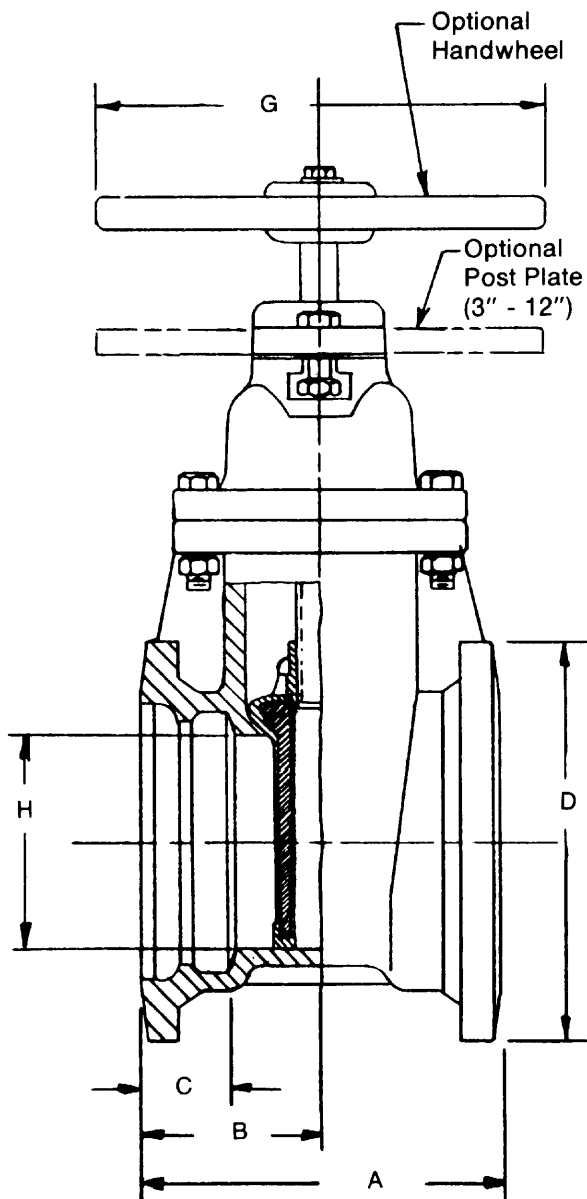


A.W.W.A Standard C509

2" - 12" KENSEAL II R/W VALVE SMJ ENDS GENERAL DIMENSION

KENNEDY VALVE

4571 Standard
4071 with Post Plate
(3" - 12")



VALVE SIZE	A	B	C	D	E	F	G	H	Weight*
2	8-1/4	4-1/8	2.50	4-1/2	10-7/8	2-5/8	7-1/4	2	38
2-1/2	-----	-----	-----	-----	-----	-----	-----	-----	-----
3	8-1/2	4-1/4	2.50	7-3/4	12-3/8	4-5/8	10	3	63
4	9-1/2	4-3/4	2.50	9-1/8	14-3/4	4-3/4	10	4-1/4	85
6	10	5	2.50	11-1/8	19	6-3/4	12	6-1/4	128
8	10-1/2	5-1/4	2.50	13-3/4	22-1/2	6-3/4	14	8-14	200
10	12	6	2.50	15-3/4	26-1/2	8-3/4	18	10-1/4	309
12	13	6-1/2	2.62	18	30	8-3/4	18	12-1/4	471

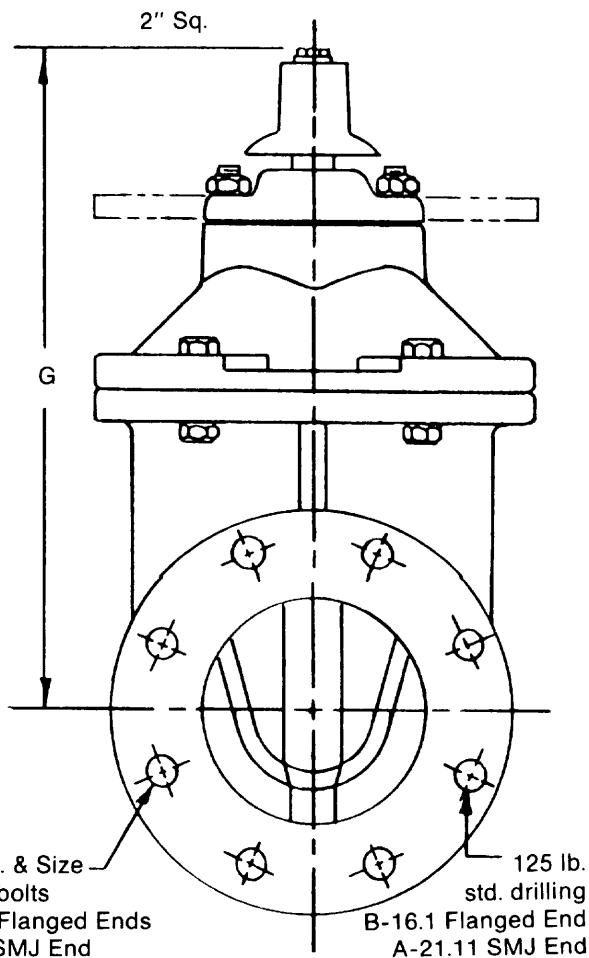
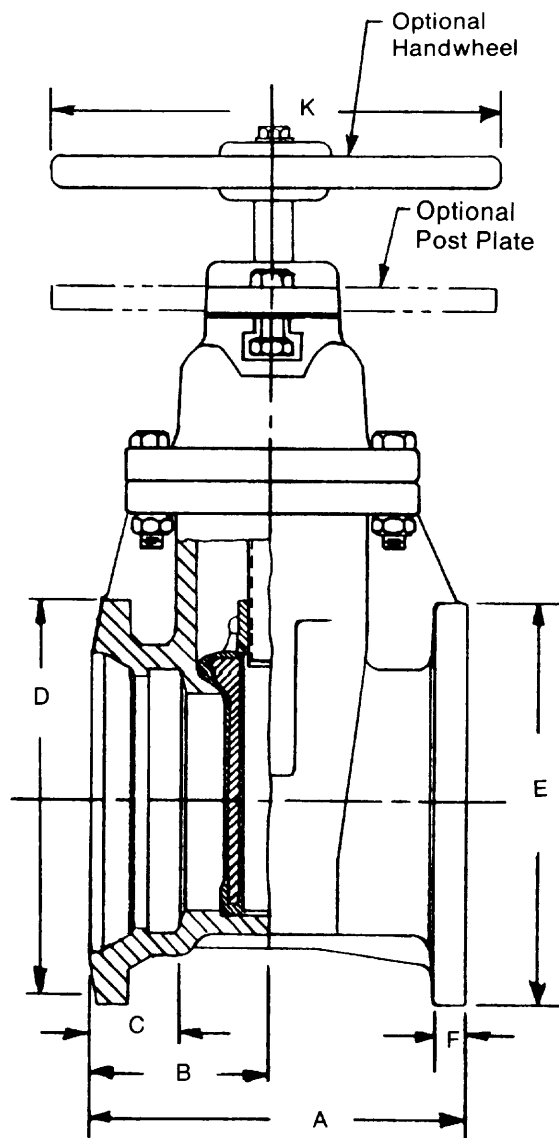
*Add 16# for Indicator Post Plate (3" - 12" only)

A.W.W.A Standard C509

**3" - 12" KENSEAL II R/W VALVE
FLANGE X SMJ
GENERAL DIMENSION**

KENNEDY VALVE

**4572 Standard
4702 with Post Plate**



VALVE SIZE	A	B	C	D	E	F	G	H	J	K	Weight*
3	8-1/4	4-1/4	2.50	7-3/4	7-1/2	3/4	12-3/8	4-5/8	4-5/8	10	61
4	9-1/4	4-3/4	2.50	9-1/8	9	15/16	14-3/4	8-5/8	4-3/4	10	65
6	10-1/4	5	2.50	11-1/8	11	1	19	8-3/4	6-3/4	12	137
8	11	5-1/4	2.50	13-3/4	13-1/2	1-1/8	22-1/2	8-3/4	6-3/4	14	203
10	12-1/2	6	2.50	15-3/4	16	1-3/16	26-1/2	12-7/8	8-3/4	18	320
12	13-1/2	6-1/2	2.62	18	19	1-1/4	30	12-7/8	8-3/4	18	485

*Add 16# for Indicator Post Plate

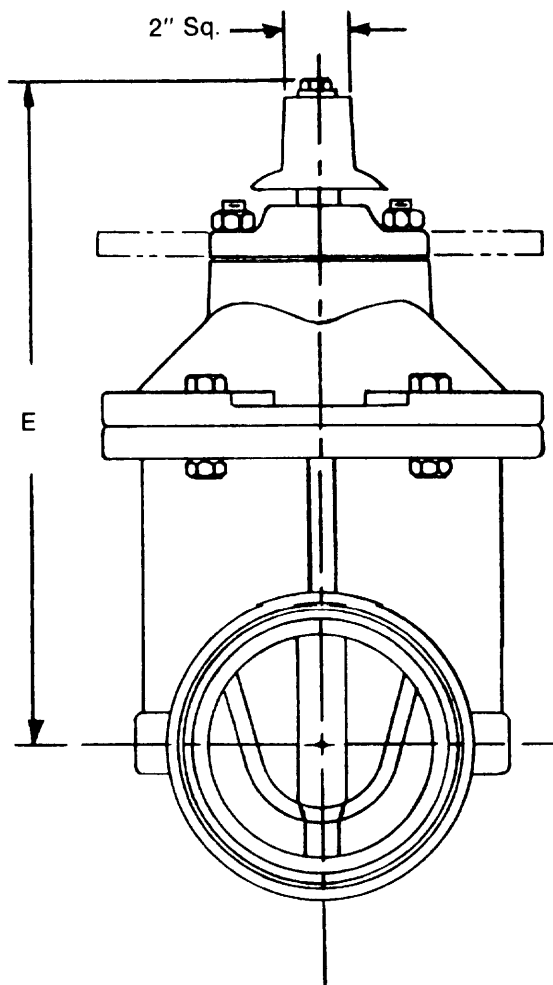
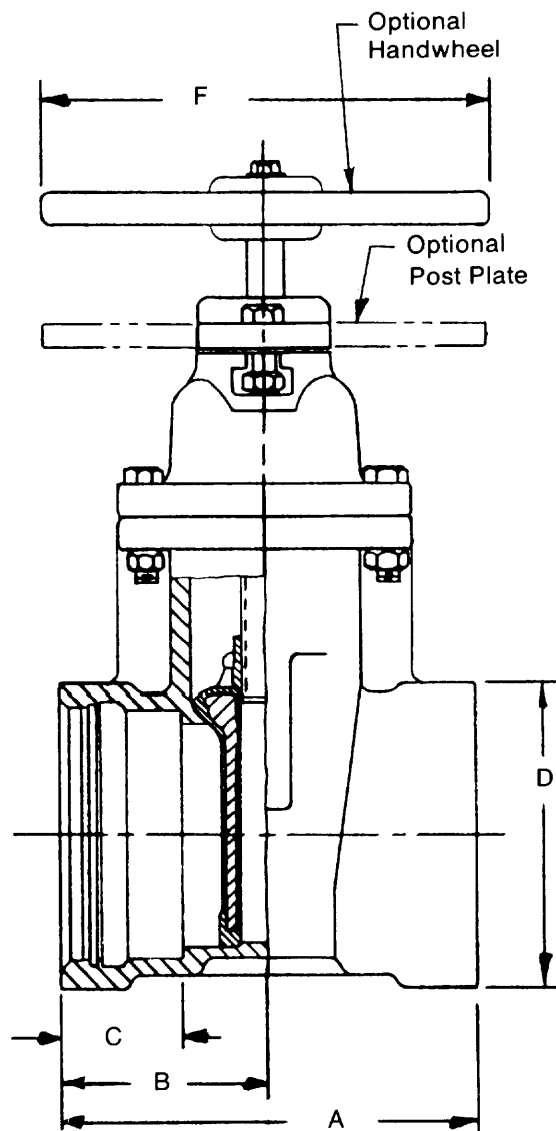


4" - 12" KENSEAL II R/W VALVE PUSH-ON FOR DUCTILE IRON PIPE GENERAL DIMENSION LAYOUT

KENNEDY VALVE

A.W.W.A Standard C509

4901 Standard
4901P with Post Plate



VALVE SIZE	A	B	C	D	E	F	Weight*
4	11	5-1/2	3.22	6-3/4	14-3/4	10	87
6	12	6	3.38	9-3/8	19	12	146
8	13	6-1/2	3.69	11-3/4	22-1/2	14	215
10	14	7	3.50	14	26-1/2	18	348
12	16	8	3.75	16	30	18	520

*Add 16# for Indicator Post Plate

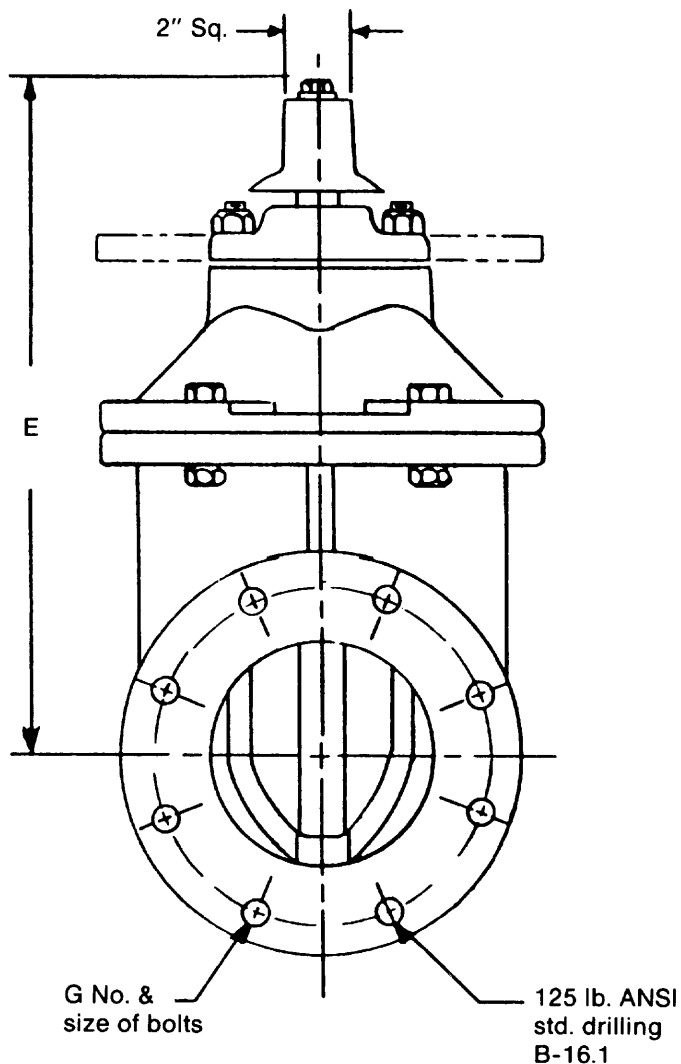
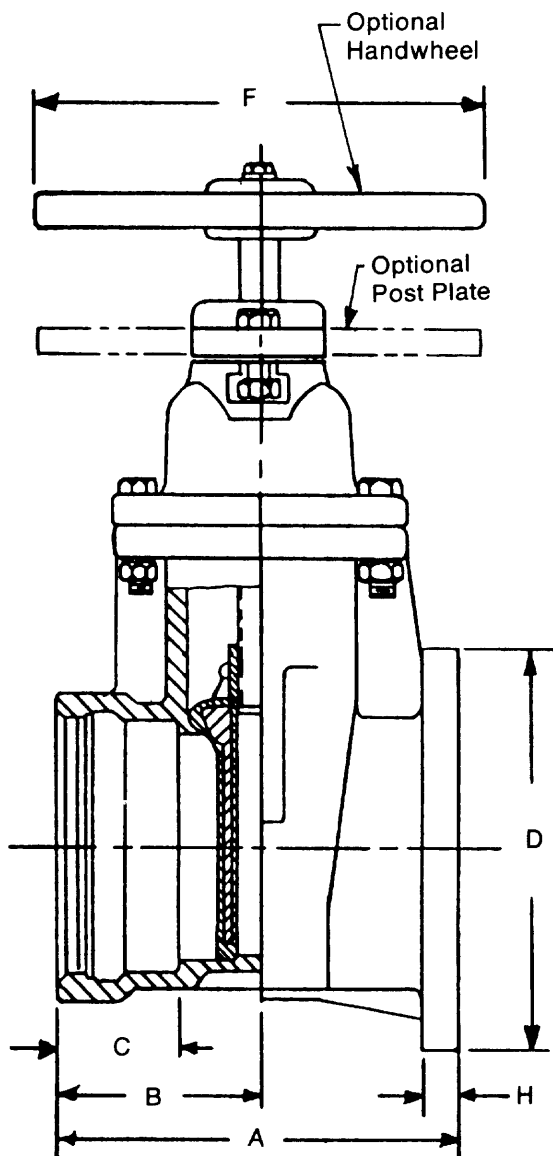


A.W.W.A Standard C509

**4"-12" KENSEAL II R/W VALVE
PUSH-ON X FLANGE
GENERAL DIMENSION**

KENNEDY VALVE

**4902 Standard
4902P with Post Plate**



VALVE SIZE	A	B	C	D	E	F	G	H	Weight*
4	10	5-1/2	3.22	9	14-3/4	10	8-5/8	15/16	85
6	11-1/4	6	3.38	11	19	12	8-3/4	1	136
8	12-1/4	6-1/2	3.69	13-1/2	22-1/2	14	8-3/4	1-1/8	207
10	13-1/2	7	3.50	16	26-1/2	18	12-7/8	1-3/16	306
12	15	8	3.75	19	30	18	12-7/8	1-1/4	535

*Add 16# for Indicator Post Plate

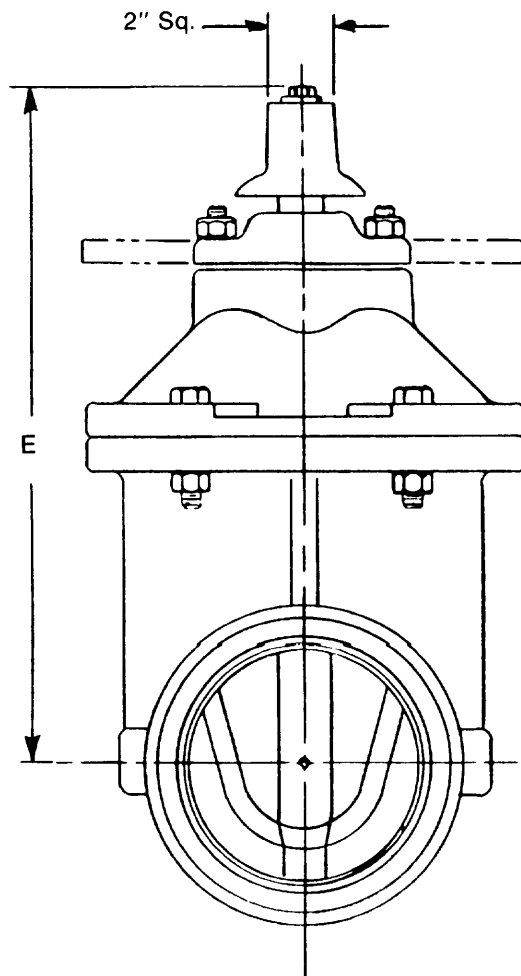
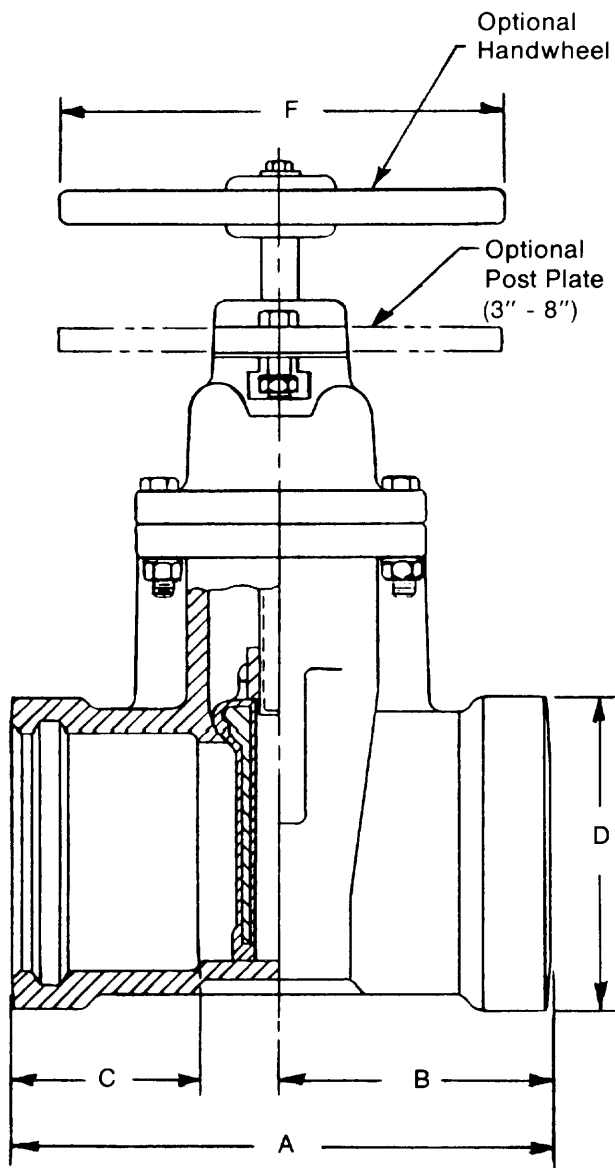


2" - 8" KENSEAL II R/W VALVE PVC ENDS

KENNEDY VALVE

A.W.W.A Standard C509

4597 Standard
4597P with Post Plate
 (3" - 8")



VALVE SIZE	A	B	C	D	E	F	Weight*
2	10	5	3-1/2	3-1/2	10-7/8	7-1/4	37
2-1/2	10-3/4	5-3/8	3-3/4	4-3/8	11-3/8	7-1/4	47
3	11-5/8	5-13/16	4-1/6	5-1/8	12-3/8	10	57
4	13-1/2	6-3/4	4-1/2	6-1/4	14-3/4	10	83
6	15-3/4	7-7/8	5-3/8	8-1/2	19	12	134
8	16-1/4	8-1/8	5-3/8	11	22-1/2	14	369

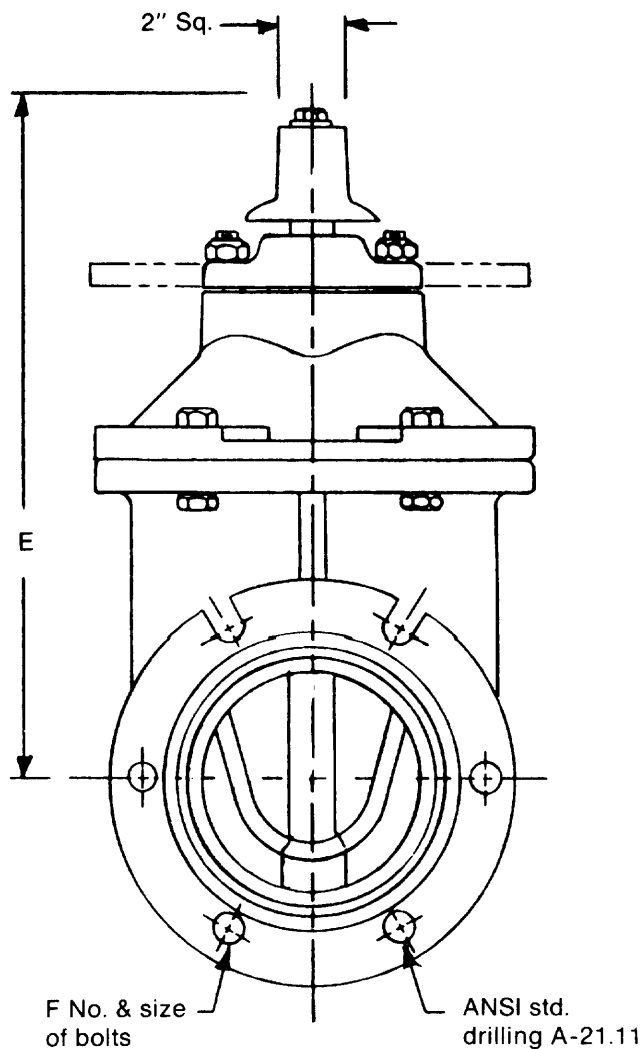
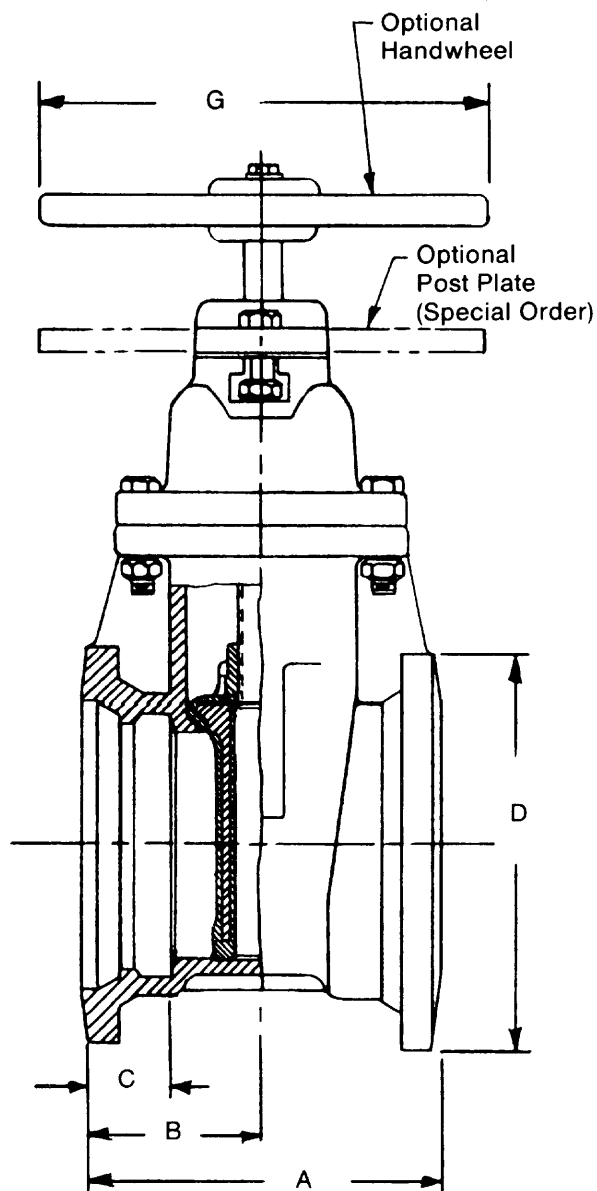
*Add 16# for Indicator Post Plate (3" - 8" only)

4" - 8" KENSEAL II R/W VALVE
MCJ ENDS
GENERAL DIMENSION

KENNEDY VALVE

A.W.W.A Standard C509

4576



VALVE SIZE	A	B	C	D	E	F	G	Weight*
4	9-1/2	4-3/4	2.50	9-1/8	14-3/4	4-3/4	10	85
6	10	5	2.50	11-1/8	19	6-3/4	12	128
8	10-1/2	5-1/4	2.50	13-3/4	22-1/2	6-3/4	14	200

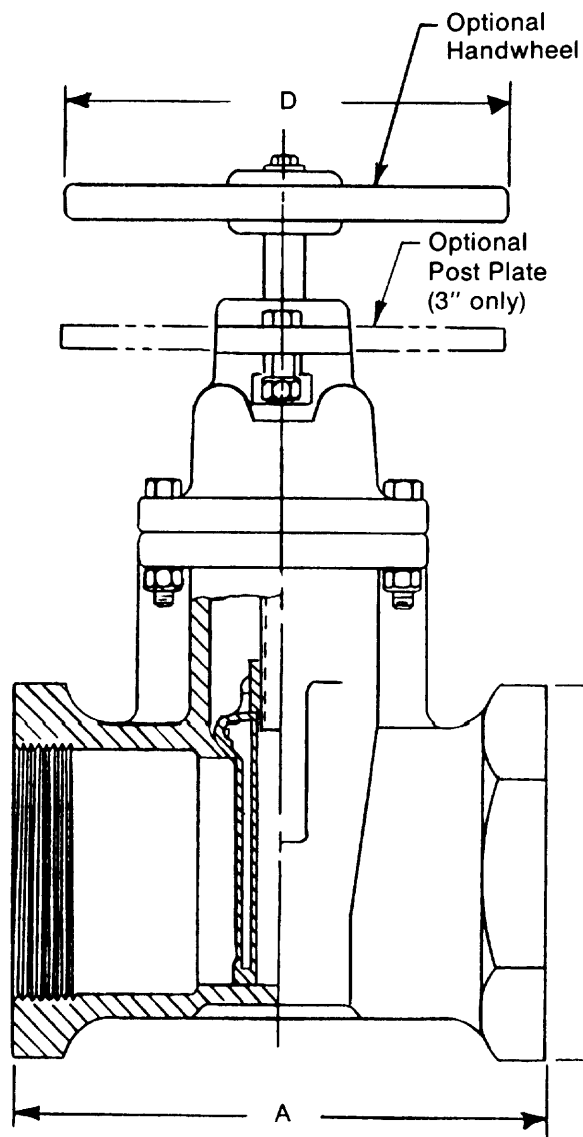
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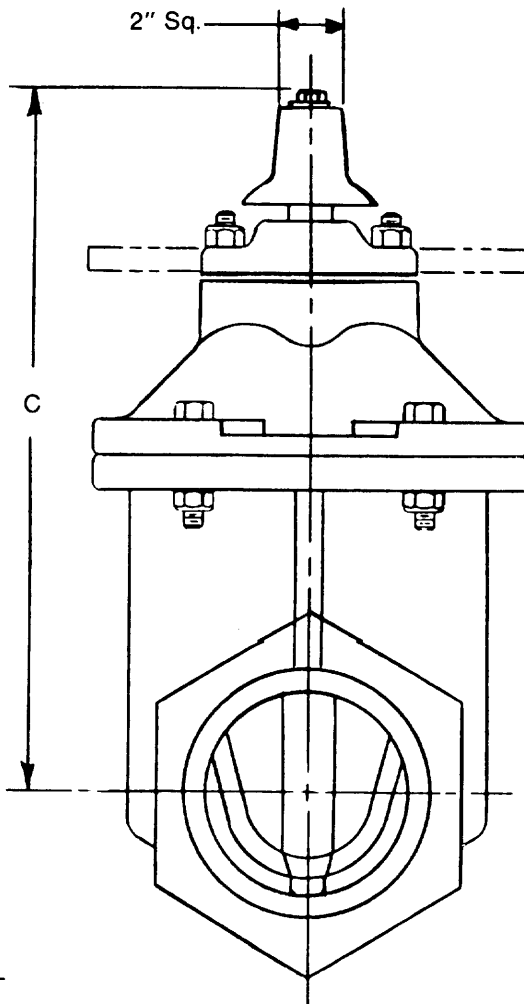
**2" - 3" KENSEAL II R/W NRS
THREADED ENDS
GENERAL DIMENSIONS**

A.W.W.A Standard C509

KENNEDY VALVE



**4057
4057P with Post Plate
(3" only)**



VALVE SIZE	A	B	C	D	Weight*
2	5-1/4	4-1/8	10-7/8	7-1/4	33
2-1/2	7	5-3/16	11-3/8	7-1/4	44
3	7-1/8	5-5/16	12-3/8	10	50

*Add 16# for Indicator Post Plate (3" only)

LISTED



888H



APPROVED

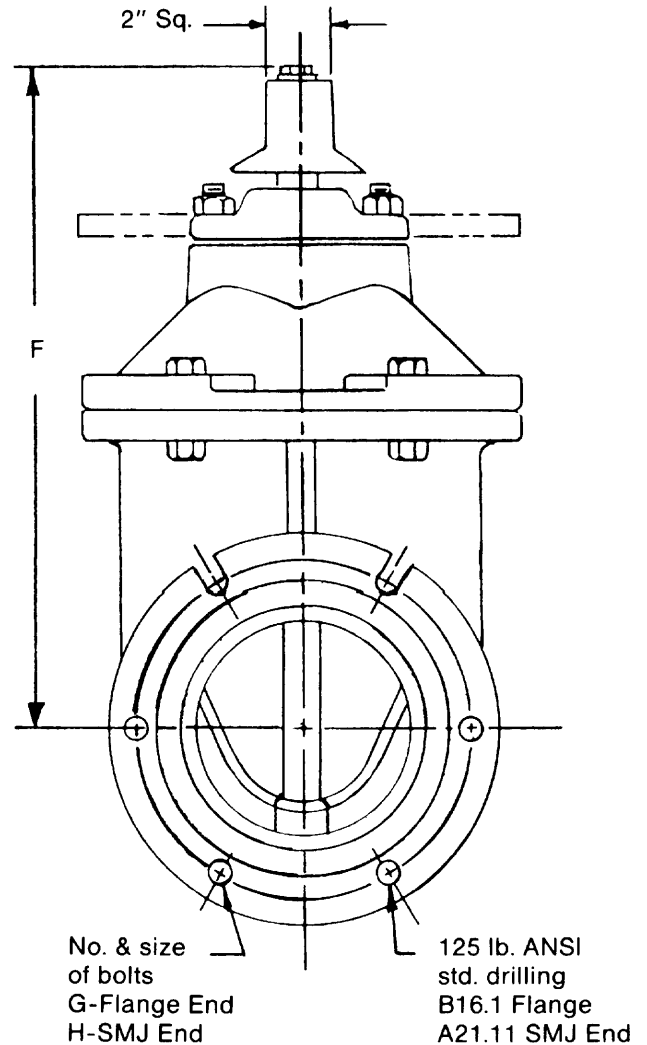
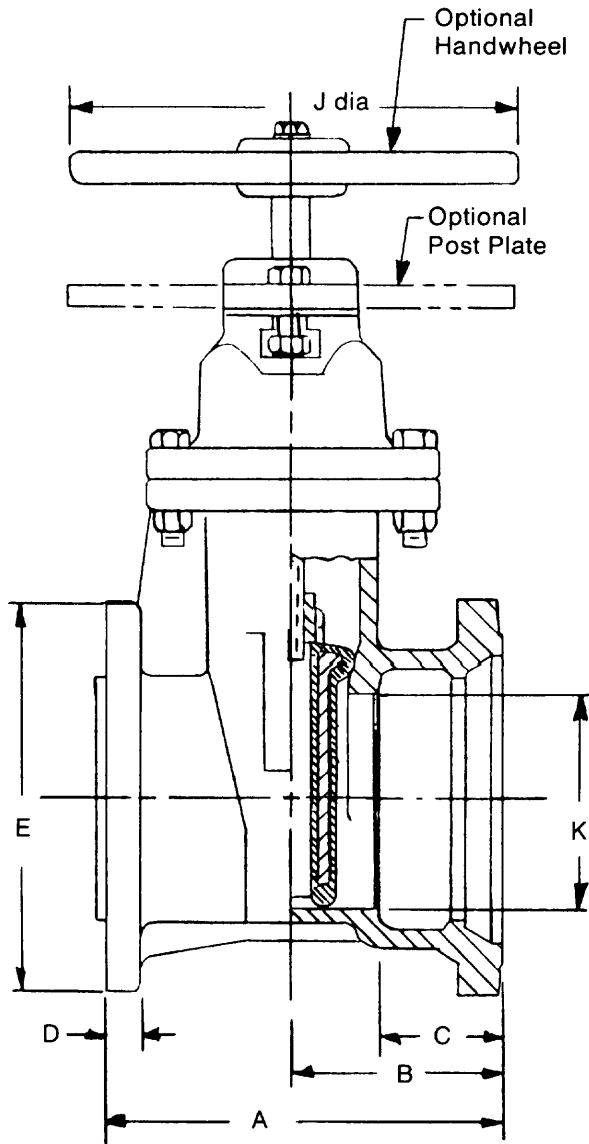


A.W.W.A Standard C509

4"- 12" KENSEAL II R/W VALVE SMJ TAPPING GENERAL DIMENSION

KENNEDY VALVE

4950 Standard
4950P with Post Plate



VALVE SIZE	A	B	C	D	E	F	G	H	j	K	Weight*
4	9-3/4	5-1/4	3	15/16	9	14-3/4	8-5/8	4-3/4	10	4-1/4	89
6	11-3/16	5-15/16	3-1/2	1	11	19	8-3/4	6-3/4	12	6-1/4	144
8	11-3/4	6	3-1/4	1-1/8	13-1/2	22-1/2	8-3/4	6-3/4	14	8-1/4	203
10	13-1/2	7	3-1/2	1-3/16	16	26-1/2	12-7/8	8-3/4	18	10-1/4	358
12	14-3/4	7-3/4	3-3/4	1-1/4	19	30	12-7/8	8-3/4	18	12-1/4	496

EACH SIZE ACCOMMODATES A FULL SIZE DIA. TAPPING CUTTER
*Add 16# for Indicator Post Plate

**4" - 12" KENSEAL II R/W
VALVE UL/FM
PERFORMANCE INFORMATION**

KENNEDY VALVE

Page 16

1. Valve complies with AWWA specs where applicable.
2. Valve complies with Underwriters Laboratory standard UL 262.
3. Valve is rated at 250 psi working pressure, for AWWA
4. Valve is bubble-tight at all pressures up to full rated pressure (250 psi).
5. Valve is capable of a bubble tight seal.
6. 2" thru 6" valve sizes have been hydrostatically shell tested to 1000 psi.
7. 8", 10" and 12" valve sizes have been hydrostatically shell tested to 800 psi.
8. Valve has been subjected to torques 150 percent of the designated minimum required torques.
9. Valve has been cycle tested 5,000 times without loss of bubble-tight seal.
10. Rubber to iron bond on wedge is inspected for strength as per ATM D429 specification.

For complete data on the tests
Underwriters Laboratories performed
reference UL File EX 783

**PRODUCT ANALYSIS
KENNEDY VALVE KENSEAL II
R/W GATE VALVE**

KENNEDY VALVE

Features	Benefits
Bubble Tight Closure at 250 psi	● No leakage - no loss of water
Smooth, Unobstructed Waterway	● High flow characteristics ● 100% smooth passage without turbulent flow ● No sediment build-up ● Will not impede travel of line cleaning tools
Only Three Internal Parts	● Virtually maintenance free
No Seat Rings	● Nothing to be damaged by scoring
Anti-Friction Thrust Bearing	● Operating torque to close and open held to absolute minimum
Solid, Bronze Stem Nut and High Strength Bronze Stem	● No corrosion ● Trouble-free service
Stem Nut is Self Centering	● Eliminates possible stress on stem and wedge
Two "O" Ring Seals Above Stem Thrust Collar	● Can be replaced with valve in service
Third O-Ring Below Stem Collar	● Facilitates Repacking Under Pressure
High Strength Iron Wedge Fully Encapsulated with Rubber Permanently Bonded to Metal. Wedge Design Incorporated Two Seating Surfaces	● Trouble free service with minimum maintenance ● No leaks - no wear

KENSEAL II R/W VALVE MANGANESE BRONZE MATERIAL SPECIFICATIONS

KENNEDY VALVE

Material Specifications

CAST IRON Specification ASTM A126 Class B

Physical Properties

Minimum tensile strength	31,000 psi
Minimum transverse strength	3,300 lbs.
Minimum deflection (12" Centers)	.12 in

Chemical Analysis (percent)

Phosphorus (maximum)	.75
Sulfur (maximum)	.15

STANDARD

CAST BRONZE - ASTM B584 CDA844 (Stem Nut) - To AWWA Grade A

Physical Properties

Minimum tensile strength	29,000 psi
Minimum yield strength	14,000 psi
Minimum elongation (in 2 inches)	18%

Chemical Analysis

*Copper	78.0 - 82.0
Lead	6.0 - 8.0
Tin	2.3 - 3.5
Nickel (maximum)	1.0
Zinc	7.0 - 10.0

*= Cu + Ni = 79% Min

CAST BRONZE - ASTM B584 CDA867 (NRS Stem) -To AWWA Grade C

Physical Properties

Minimum tensile strength	80,000 psi
Minimum yield strength	32,000 psi
Minimum elongation (in 2 inches)	15%

Chemical Analysis

Copper	55.0 - 60.0	Lead (maximum)	.50 - 1.5
Aluminum			1.0 - 3.0
Iron			1.0 - 3.0
Nickel (maximum)			1.0
Zinc			30.0 - 38.0
Manganese			1.0 - 3.5
Tin (maximum)			.2

STYRENE BUTADINE RUBBER - ASTM D-5000

Hardness	78 ± 5
100% Modulus (PSI)	800

**KENSEAL II R/W VALVE
LOW ZINC
MATERIAL SPECIFICATIONS**

KENNEDY VALVE

Material Specifications

ALTERNATE

CAST BRONZE - NDZ-S CA. NO. 995 (NRS Stem) To AWWA Grade E

Physical Properties

Minimum tensile strength	70,000 psi
Minimum yield strength	40,000 psi.
Minimum elongation (in 2 inches)	12%

Chemical Analysis

Copper	82.8
Lead (maximum)	.25
Aluminum (maximum)	2.0
Iron (maximum)	5.5
Nickel (maximum)	5.5
Zinc (maximum)	2.0
Silicon (maximum)	2.0

2" THRU 12" R/W VALVE FLOW COEFFICIENTS

KENNEDY VALVE

VALVE SIZE	C _v (FULL OPEN)	K (FULL OPEN)
2	300	0.15
2-1/2	500	0.130
3	800	0.115
4	1500	0.105
6	3600	0.090
8	6700	0.080
10	10,500	0.080
12	15,000	0.080

$$C_v = \frac{Q}{\sqrt{\Delta P}}$$

$$K = f \frac{L}{D}$$

Values given are calculated, based on
hydraulic lab test on 6" R/W valve.

KENNEDY VALVE POWDER COATING

KENNEDY VALVE

Kennedy Powder Coating is a high performance, one-part, heat-curable, thermosetting coating which provides superior corrosion resistance protection for metal parts.

Kennedy Powder Coating material is a stable, non-toxic resin consisting of 100% solids. It is impervious to and imparts no taste to potable water. Kennedy Powder Coating is formulated from materials deemed acceptable in the Food and Drug Administration Document Title 21 of the Federal Regulations on food additives, Section 175.300 entitled "Resinous and Polymeric Coatings".

Kennedy Powder Coating is applied by a heat application, fusion - bonding process which secures the coating material to the metal valve components. This process provides a coating averaging 9 mils thick with excellent adhesion qualities.

The durable Kennedy Powder Coating has a hard finish and exhibits excellent corrosion resistance in most aqueous solutions. It will not sag or cold flow or become soft during long-term storage. In addition to excellent corrosion resistance to aqueous solutions, the coating has excellent stability and resistance to acidic soil conditions.

Kennedy Powder Coating meets both the application and performance requirements of the American Water Works Association standard C-550 entitled "Protective Interior Coatings for Valves and Hydrants".

RECOMMENDED SPECIFICATIONS FOR RESILIENT WEDGE GATE VALVES

KENNEDY VALVE

The valve shall conform to the latest revision of A.W.W.A. Resilient Seated Gate Valve Standard C-509 and be UL listed, FM approved.

All internal parts shall be accessible without removing the body from the line.

The wedge shall be cast iron, completely encapsulated with resilient material. The resilient sealing material shall be permanently bonded to the cast iron wedge with a rubber tearing bond to meet ASTM D429.

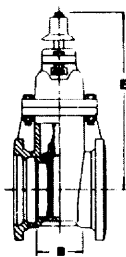
NRS stems shall be cast bronze with integral collars in compliance with A.W.W.A. OS&Y stems shall be bronze. The NRS stuffing box shall have two O-Ring seals above the thrust collar. These rings shall be field replaceable without removing the valve from service.

There shall be low friction thrust bearings above and below the stem collar. The stem nut shall be independent of the wedge and of solid bronze. The waterway in the seat area shall be smooth, unobstructed, free of cavities and for valves 4" and larger at least 0.19" greater in diameter than the nominal valve size.

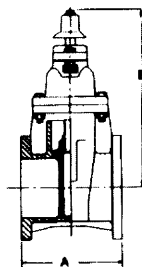
The body and bonnet shall be coated both interior and exterior with a fusion bonded heat cured thermo setting material meeting all the application and performance requirements of A.W.W.A. C-550.

The gasket seal between two surfaces shall employ the use of composition ring type gaskets retained to prevent the possibility of blow out.

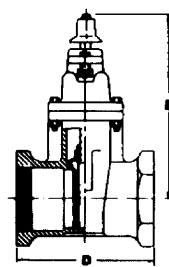
Each valve shall be hydrostatically tested to the requirements of both A.W.W.A. and UL/FM.



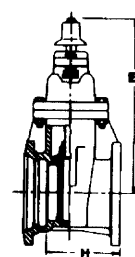
4571
MJ x MJ
2"•16"



4561
FLG x FLG
2"•16"



4057
THREADED ENDS
2"•3"

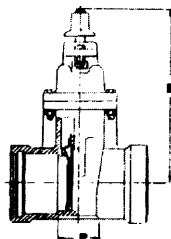


4572
FLG x MJ
3"•16"

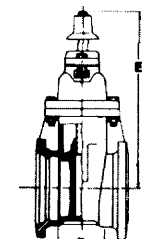
4701
PIV
3"•12"

4057P
PIV
3"

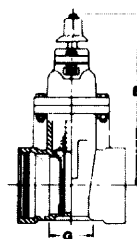
4072
PIV



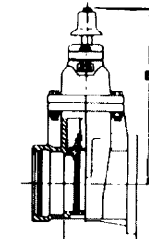
4597
PUSH-ON FOR PVC
2"•8"



4576
MECHANICAL
CUTTING-IN JOINT
4"•12"

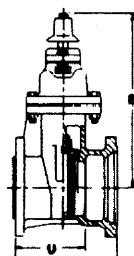


4901
PUSH-ON ENDS
FOR DUCTILE PIPE
AND C900 PVC PIPE
4"•12" & 16"

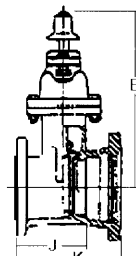


4902
FLG x PUSH-ON
4"•12"

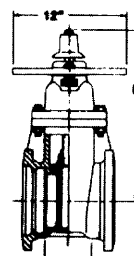
4902P
PIV
4"•12"



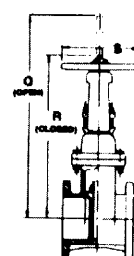
4950
MJ FOR TAPPING
4"•16"



4954
PUSH-ON FOR TAPPING
4"•8"



4071
MJ x MJ
INDICATOR POST VALVE
3"•12"



4068
FLG x FLG OS&Y
2-1/2"•16"

*All 3"-12" NRS valve end configurations are available with indicator post plate: Figure 4701 FLG x FLG; Figure 4703 FLG x MJ, etc.

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	9-3/4	13-1/2
6"	10-1/2	5	7-7/8	-	19	5-1/4	7-3/4	8-1/4	12	5	30-1/8	23-3/4	12	7-3/4	11-1/4	19-1/2
8"	11-1/2	5-1/2	8-1/2	-	22-1/2	5-5/8	8-1/2	8-1/2	12-3/4	5-1/2	37-3/4	29-1/4	14	8-1/2	11-3/4	25-1/2
10"	13	7	10	-	26-1/2	7	10	-	-	-	45-3/4	35-3/8	18	10	13-1/2	31-1/2
12"	14	8	11-1/4	-	30	8-1/2	11	-	-	-	53-1/8	40-5/8	18	11	14-3/4	37-3/4
14"	15	10	-	-	37-1/2	-	13-1/2	-	-	-	76	59	22	13-1/4	16-3/4	52
16"	16	10	-	-	37-1/2	14-1/8	13	-	-	-	76	59	22	12-3/4	16-1/4	52

Kennedy Valve

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