

Building connections that last™



Kennedy Valve® Series 8000

UL/FM AWWA C509 Wedge Gate Valve
200 PSI (UL/FM), 250 PSI (Water Works)

Designed for the Fire
Protection Industry





KENNEDY VALVE



2"-12" Resilient Wedge Gate Valve

Model KSFV

General Dimensions



OS&Y applications are manufactured with plated steel fasteners.

Other fastener materials are available for most NRS and OS&Y configurations upon request.

All OS&Y valves are manufactured with pre-grooved stems to accommodate tamper switches furnished by others.

Based upon specific configuration, valves can be compliant with AIS, Buy America or Buy American.

2" - 12" sizes valves conform to AWWA C509 cast in ductile iron

Notes: *Flanged Ends: ASME Class 125 (standard)*

Stems:

OS&Y - ASTM A479 304 stainless steel (standard)

Optional stem materials available upon request

Valve Body Taps:

KSFV valves can be tapped at up to four locations - A, B, E, F, see drawings

Valves 4" and smaller will have 1/2" taps

Valves 6" and larger will have 3/4" taps

END CONNECTIONS	STEM TYPE	SIZE RANGE	FIGURE NO.	PAGE
Flanged Ends	OS&Y	2"-12"	8068A	2, 3, 5
Flanged Ends	OS&Y w/Tamper	2 1/2" - 12"	8068AKVOS	2, 3, 7
Threaded	OS&Y	2"-3"	8067SS	4, 6

SIZE RANGE	WATER WORKING PRESSURE PSI	SEAT TEST PSI	HYDROSTATIC SHELL TEST PSI
ULFM 2"-12"	200 Fire Protection	300	500

ACCESSORIES

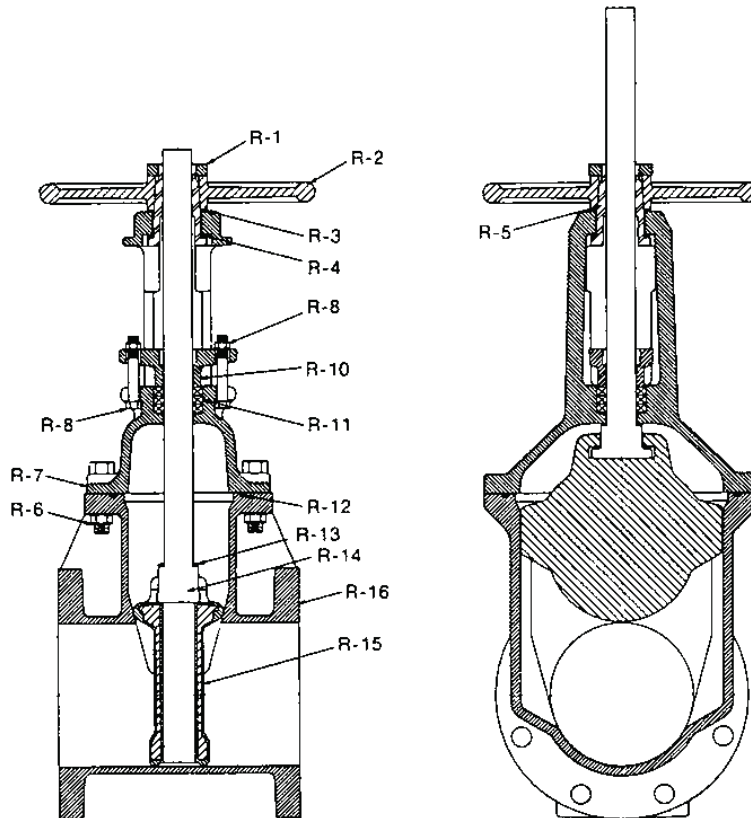
Chain Wheels





KENNEDY VALVE

2"-12" Resilient Seated Gate Valve KSFV OS&Y Materials List



PIPE PLUG STANDARD ON FLANGE @ POSITION "A"

DET.	NAME OF PART	MATERIAL	ASTM SPEC.
R-1	Handwheel Nut	Bronze (AWWA Grade A)	ASTM B584 C84400
R-2	Handwheel	Cast Iron	ASTM A126 Class B
R-3	Upper Thrust Washer	Brass	ASTM B36 C 26000
R-4	Lower Thrust Washer	Nylatron	-----
R-5	Yoke Nut	Bronze	ASTM B584 C86700
R-6	Hex. Head Cover Bolts & Nuts	Zinc Plated Steel	Grade 2 SAE J429
R-7	Cover	Cast Iron*	ASTM A126 Class B
R-8	Packing Bolts	Zinc Plated Steel	Grade 2 SAE J429
R-8	Packing Bolt Nuts	Brass	ASTM F467
R-10	Packing Gland	Ductile Iron	ASTM A 536 Grade 70-50-5
R-11	Packing	Sq. Braided Non-Asbestos	-----
R-12	O-Ring (Cover)	EPDM	-----
R-13	O-Ring (Stem)	EPDM	-----
R-14	Stem -- Pre-Grooved	Stainless Steel	ASTM A276 Type 304
R-15	Wedge (EPDM Encapsulated)	Ductile Iron	ASTM A536 Grade 70-50-5
R-16	Body (All Types)	Cast Iron	ASTM 126 Class B
R-17	Pipe Plug: 1/2"; 2 1/2"-4"--3/4"; 6'-12"	Low Carbon Steel	-----

* - 2" thru 4" utilize AWWA C515 cover

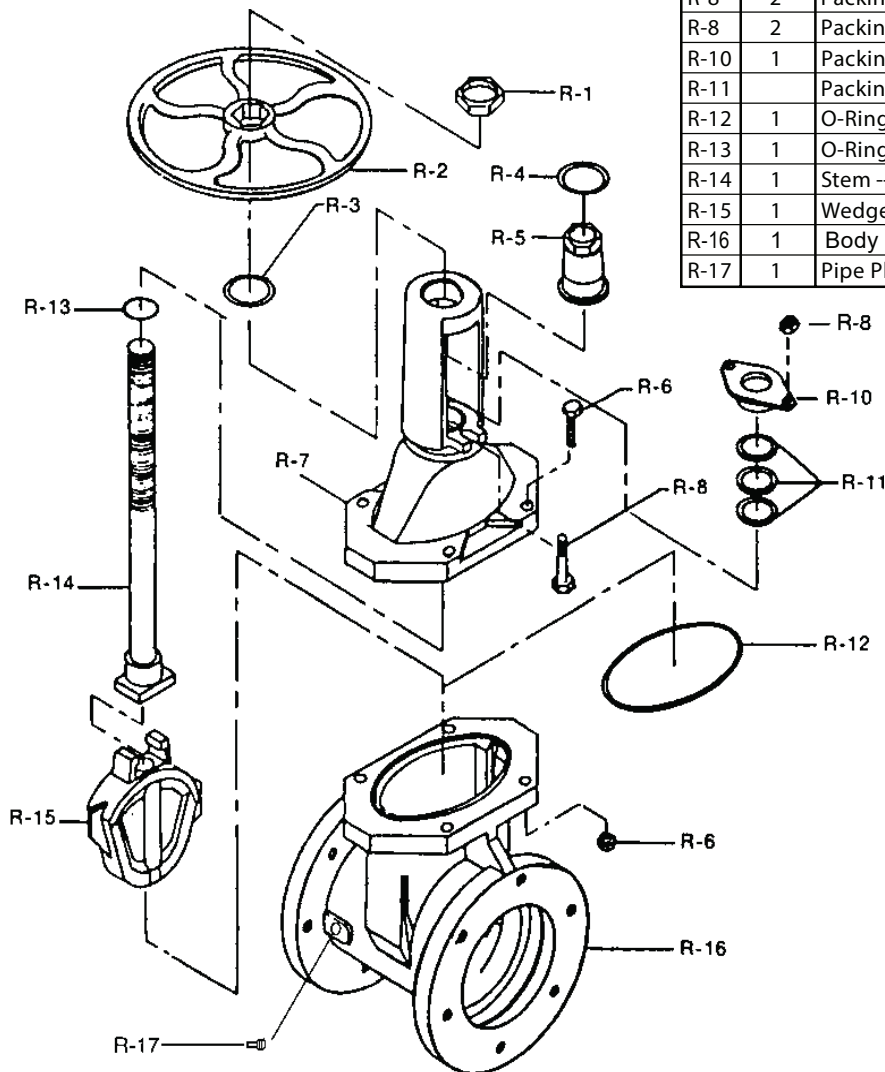


KENNEDY VALVE

2"-12" Resilient Seated Gate Valve KSFW OS&Y Assembly Explosion



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	Ductile Iron
R-11		Packing	Sq. Braided Polymer
R-12	1	O-Ring (Cover)	EPDM
R-13	1	O-Ring (Stem)	EPDM
R-14	1	Stem -- Pre-Grooved	Stainless
R-15	1	Wedge Disc	D.I. - EPDM Coated
R-16	1	Body	Cast Iron
R-17	1	Pipe Plug	Low Carbon Steel



* - 2" thru 4" utilize AWWA C515 cover

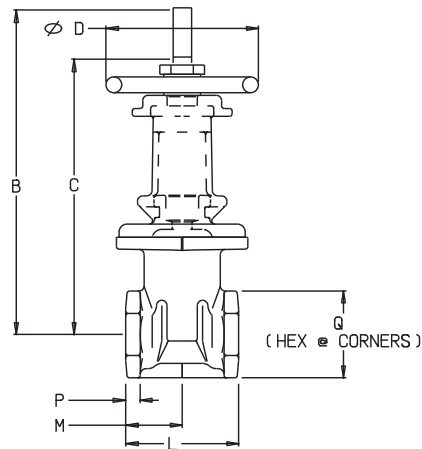
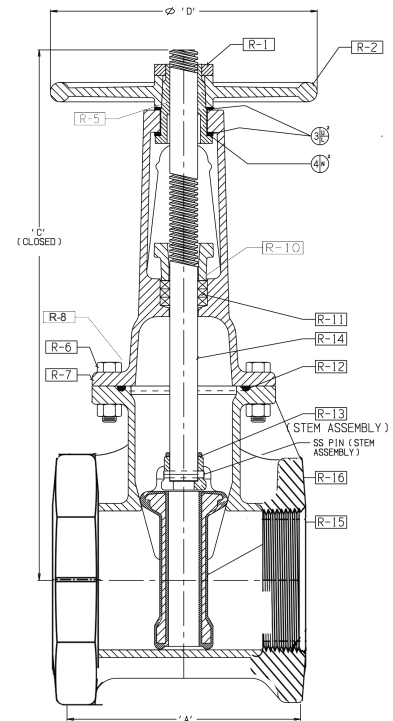


KENNEDY VALVE

2"-12" Resilient Seated Gate Valve KSFV OS&Y - THREADED 2"- 3" Materials List



ITEM	DESCRIPTION	No REQ'D	MATERIAL	2"	2 1/2"	3"
R-1	HANDWHEEL NUT	1	BRONZE ASTM B584 C87850 or C87610			
R-2	HANDWHEEL	1	DUCTILE IRON ASTM A536 70-50-5			
R-3	THRUST WASHER	1	BRONZE ASTM B361	0	0	0
	UPPER	Noted ->				
	LOWER					
R-4	ANTI FRICTION BEARING	1	DERLIN SIZES 3	1	1	1
R-5	YOKE NUT	1	BRONZE ASTM B584 C86700			
R-6	HEX. HEAD BOLTS		ZINC PLATED STEEL or STAINLESS STEEL	(4) 1/2-13x2	(4) 1/2-13x2	(4) 1/2-13x2
	HEX. NUTS		ZINC PLATED STEEL OR STAINLESS STEEL	(4) 1/2	(4) 1/2	(4) 1/2
R-7	COVER	1	KS-FW CAST IRON ASTM A126 CLASS B			
			KS-FWD DUCTILE IRON ASTM A536 GRADE 70-50-5			
R-8	HEX. NUTS	2	BRASS	1/2 Hvy HEX	1/2 Hvy HEX	1/2 Hvy HEX
	SQ. HEAD BOLTS	2	ZINC PLATED STEEL OR STAINLESS STEEL	1/2-13x2.50	1/2-13x2.50	1/2-13x2.75
R-10	GLAND	1	DUCTILE IRON ASTM A536 (70-50-5)			
R-11	PACKING		SQ. BRAIDED	(4) 5/16x3-7/8	(3) 5/16x3-7/8	(3) 3/8 SQ x 5
R-12	"O" RING	1	EPDM	DASH 2-347	DASH 2-425	DASH 2-427
R-13	"O" RING (STEM ASSY)	(1) part of stem assy	EPDM	DASH 2-316	DASH 2-316	DASH 2-320
R-14	STEM ASSEMBLY	1	304 STAINLESS STEEL OR 306 STAINLESS STEEL OR BRASS ASTM B371 C69300/ASTM B806			
R-15	EPDM ENCAPSULATED WEDGE	1	DUCTILE IRON ASTM A536 GRADE 70-50-5			
R-16	SCREWED BODY	KS-FW 1	KS-FW CAST IRON ASTM A126 CLASS B			
		KS-FWD 1	KS-FWD DUCTILE IRON ASTM A536 GRADE 70-50-5			



SPECIFIC THD X THD DIMENSIONS							
VALVE SIZE	Model	L	M	P	Q	-	-
2	KS-FW	5.38	2.69	0.69	4.13	-	-
2 1/2	KS-FW	7.12	3.56	1.06	5.18	-	-
3	KS-FW	7.26	3.63	1.08	5.63	-	-



KENNEDY VALVE



LISTED



APPROVED

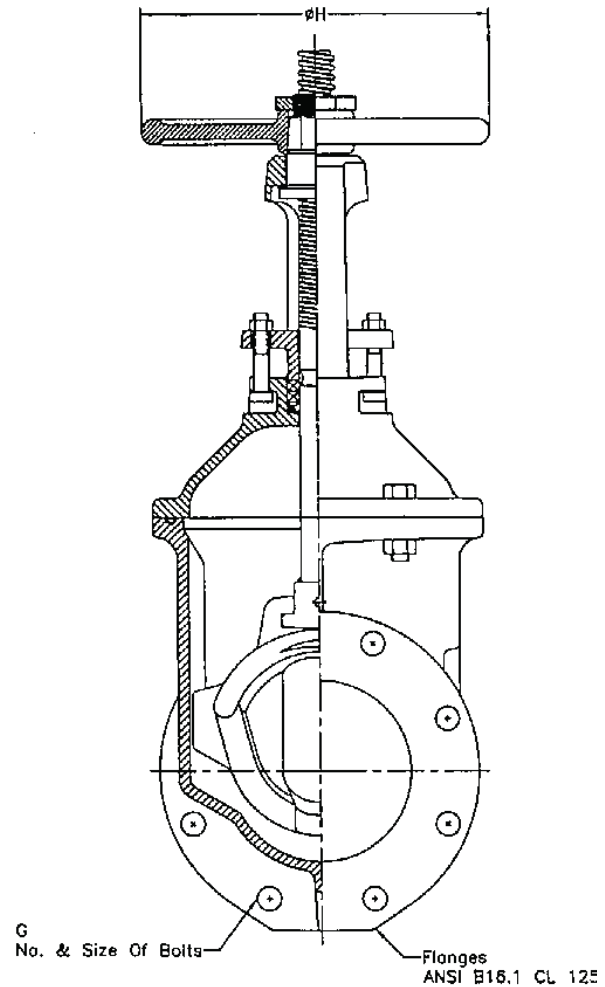
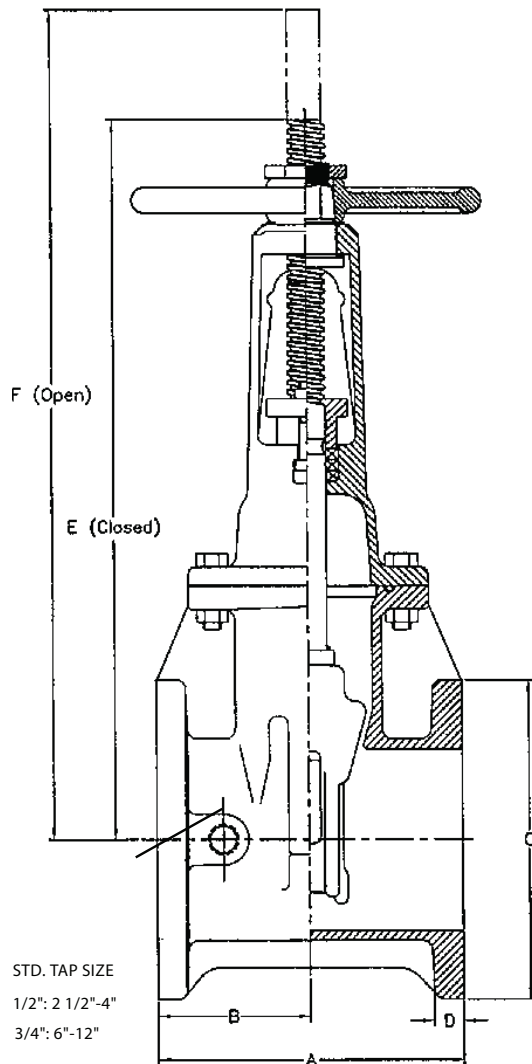


Certified to
NSF/ANSI 61 & 372

2"-12" Resilient Seated Gate Valve KSFW OS&Y Flange Ends General Dimensions

Fig. 8068A

Fig. 8068AKVOS



VALVE SIZE	A	B	C	D	E	F	G	H	WEIGHT
2	7	3 1/2	6	5/8	12	10	4 5/8	7 1/4	N/A
2 1/2	7 1/2	3 3/4	7	11/16	13 7/8	16 3/8	4 5/8	7 1/4	51
3	8	4	7 1/2	3/4	15 5/8	18 7/8	4 5/8	10	64
4	9	4 1/2	9	15/16	18 1/4	22 3/4	8 5/8	10	105
6	10 1/2	5 1/4	11	1	23 3/4	30 1/8	8 3/4	12	152
8	11 1/2	5 3/4	13 1/2	1 1/8	29 1/4	37 3/4	8 3/4	14	253
10	13	6 1/2	16	1 3/16	35 3/8	45 3/4	12 7/8	18	427
12	14	7	19	1 1/4	40 5/8	53 1/8	12 7/8	18	581

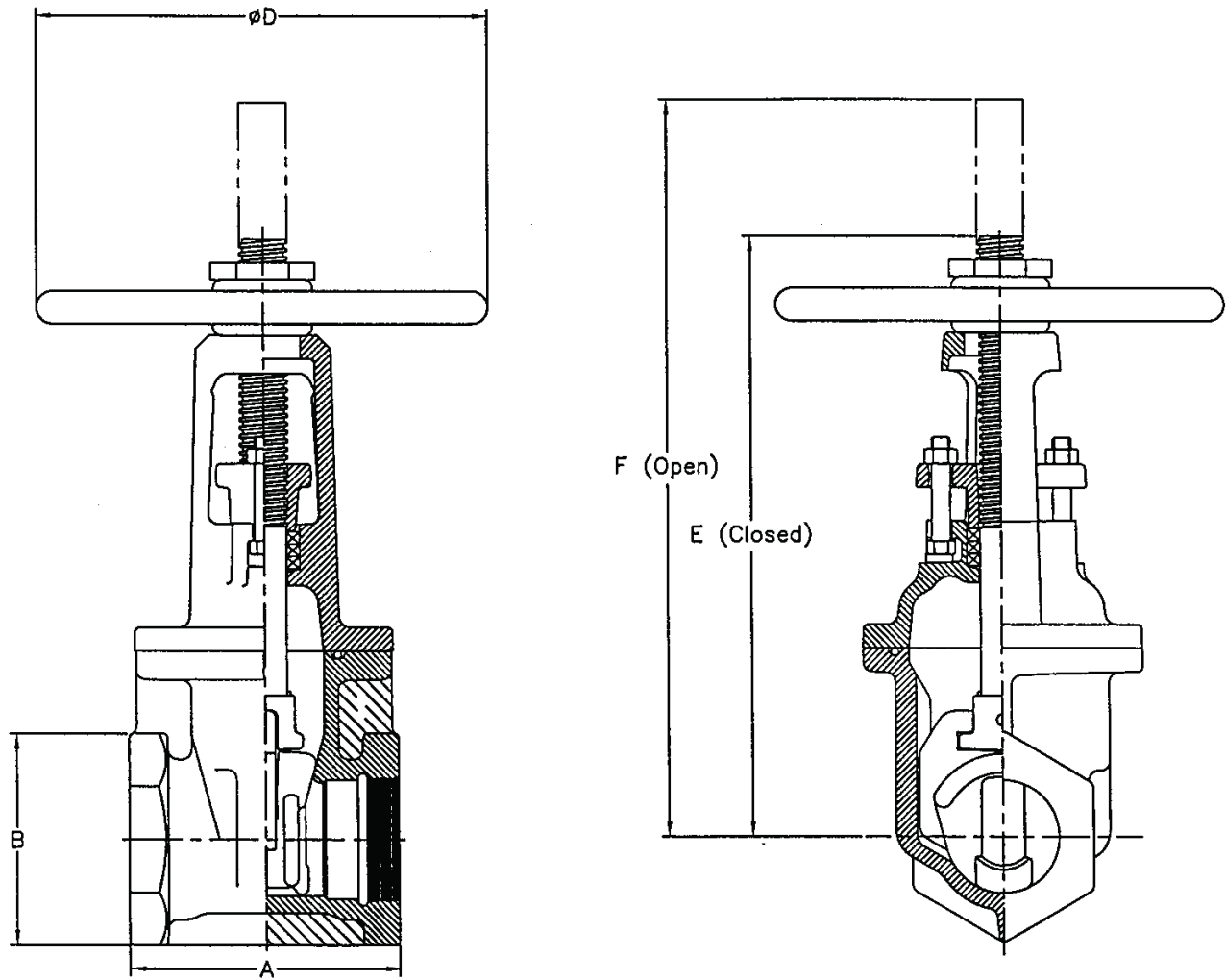


KENNEDY VALVE



**2"-3" Resilient Seated Gate Valve
KSFV OS&Y
Threaded Ends
General Dimensions**

Fig. 8067



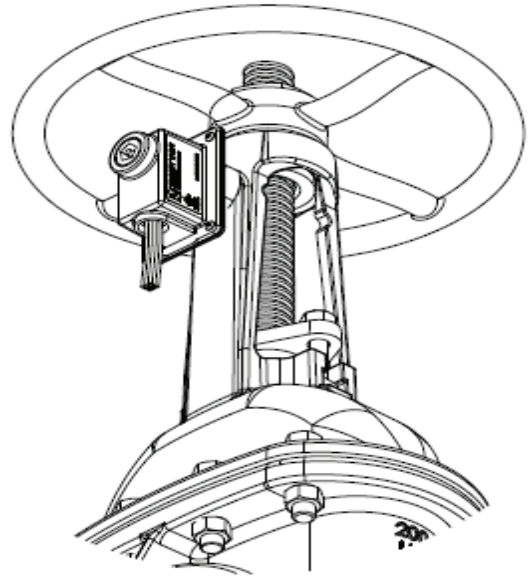
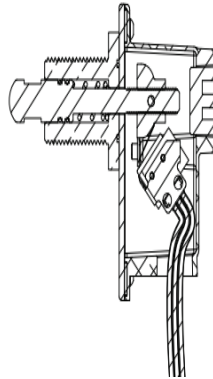
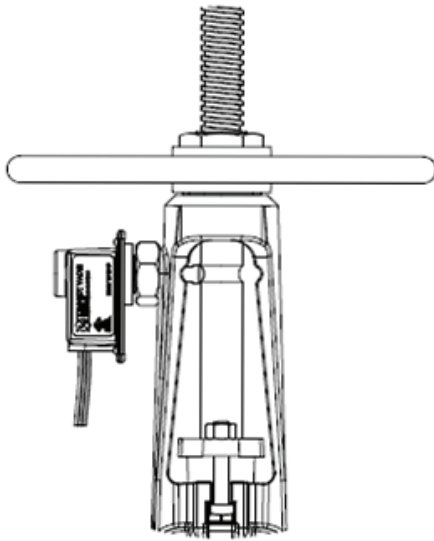
VALVE SIZE	A	B	D	E	F	WEIGHT
2	5 1/4	4 1/8	7 1/4	10	12	N/A
2 1/2	7	5 3/16	7 1/4	13 7/8	16 3/8	40
3	7 1/2	5 3/16	10	15 5/8	18 7/8	50



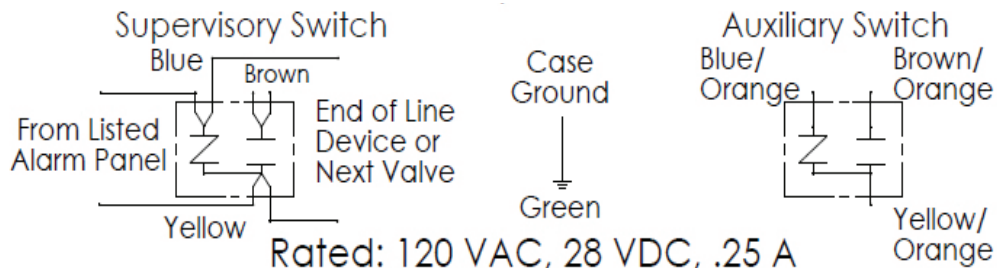
KENNEDY VALVE



Resilient Seated Gate Valves w/KVOS (Factory Installed Tamper) KSFW OS&Y Flanged General Information Fig. 8068AKVOS



KVOS-2 FOR KSFW 2 1/2" -12"



Wiring Notes:

Connection to power limited circuitry is required.
Auxiliary switch is for supplemental use only, and shall not be used for fire alarm signaling applications
Switches are checked at factory, check continuity with valve fully open, switches activate within two turns from open

CAUTION

PRIOR TO INSTALLATION OF SUPERVISORY SWITCHES IN FIRE PROTECTION SYSTEMS REFER TO THE FOLLOWING STANDARDS:
NFPA 13: STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS
NFPA 25: INSPECTION, TESTING, MAINTENANCE OF WATER BASED FIRE PROTECTION SYSTEMS
NFPA 70: NATIONAL ELECTRICAL CODE
NFPA 72: NATIONAL FIRE ALARM CODE
CSA C22.1 NO.1 CANADIAN ELECTRICAL CODE, PART 1, SAFETY STANDARD FOR ELECTRICAL INSTALLATIONS SECTION 32
CAN/ULC-S524, STANDARD FOR INSTALLATION OF FIRE ALARM SYSTEMS

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