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INTERNATIONAL

UL/FM INDICATOR POSTS

Designed for the Fire
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KENNEDY VALVE



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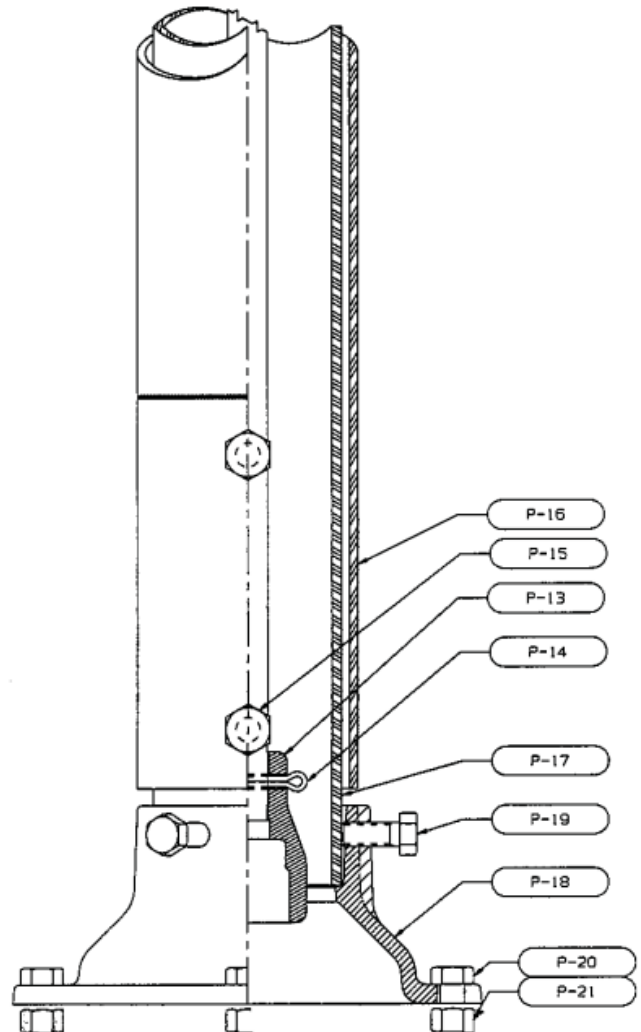
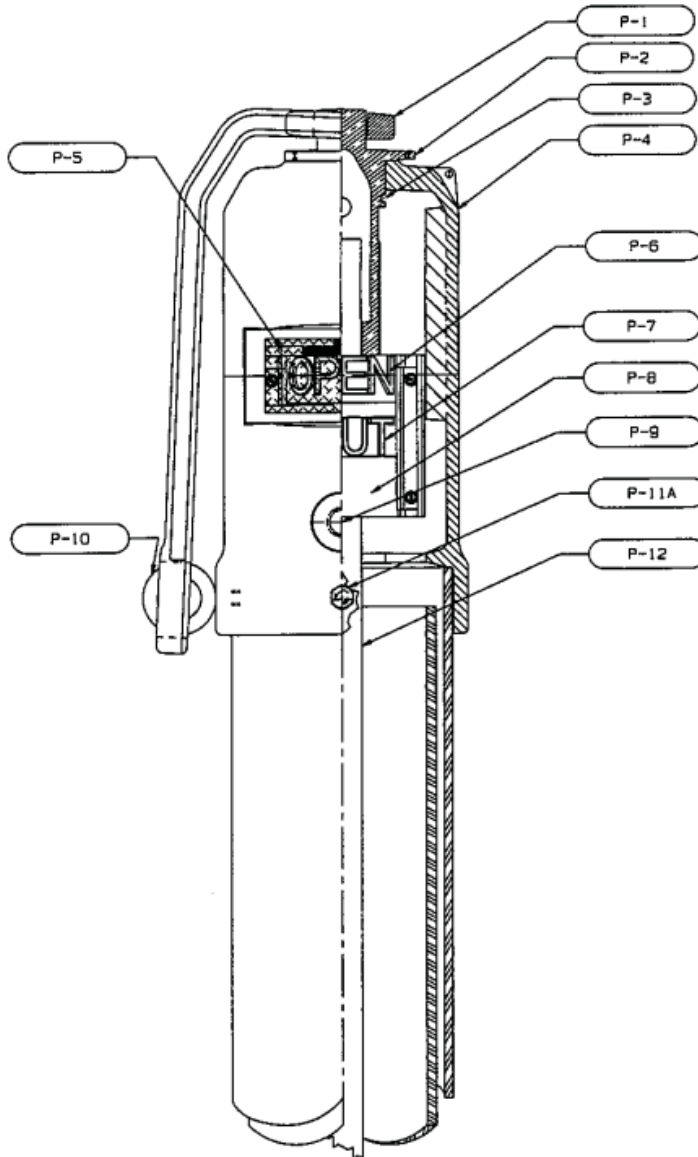
Indicator Posts

Style 2945 Telescoping Barrel Assembly

General Dimensions

Note: Available in Sizes B, C, D and E.

See Page 6 for Dimensions





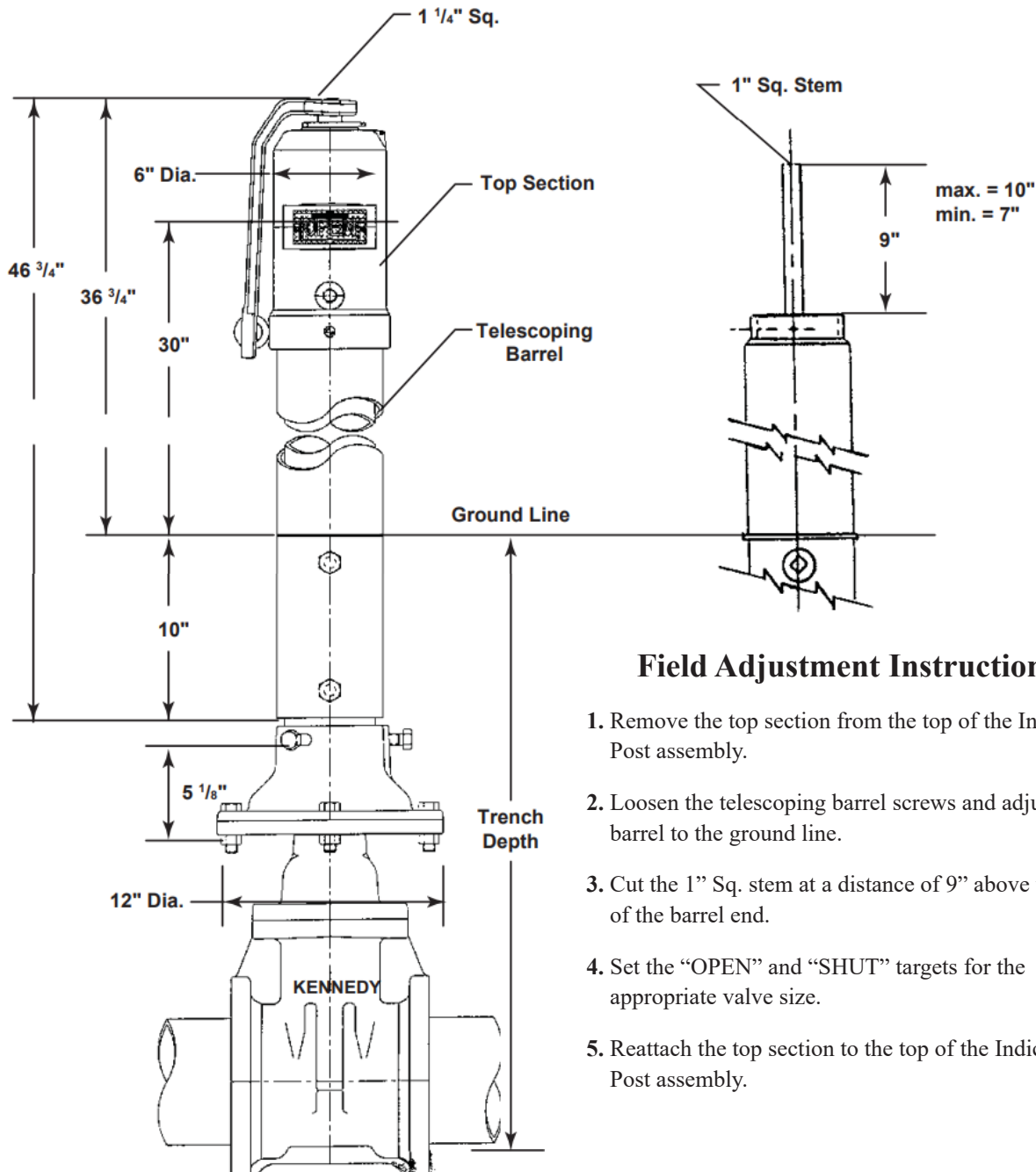
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Indicator Posts Style 2945 A Telescoping Barrel Dimensions and Instructions

Note: Available in Sizes B, C, D and E.

See Page 6 for Dimensions



Field Adjustment Instructions

1. Remove the top section from the top of the Indicator Post assembly.
2. Loosen the telescoping barrel screws and adjust barrel to the ground line.
3. Cut the 1" Sq. stem at a distance of 9" above the top of the barrel end.
4. Set the "OPEN" and "SHUT" targets for the appropriate valve size.
5. Reattach the top section to the top of the Indicator Post assembly.

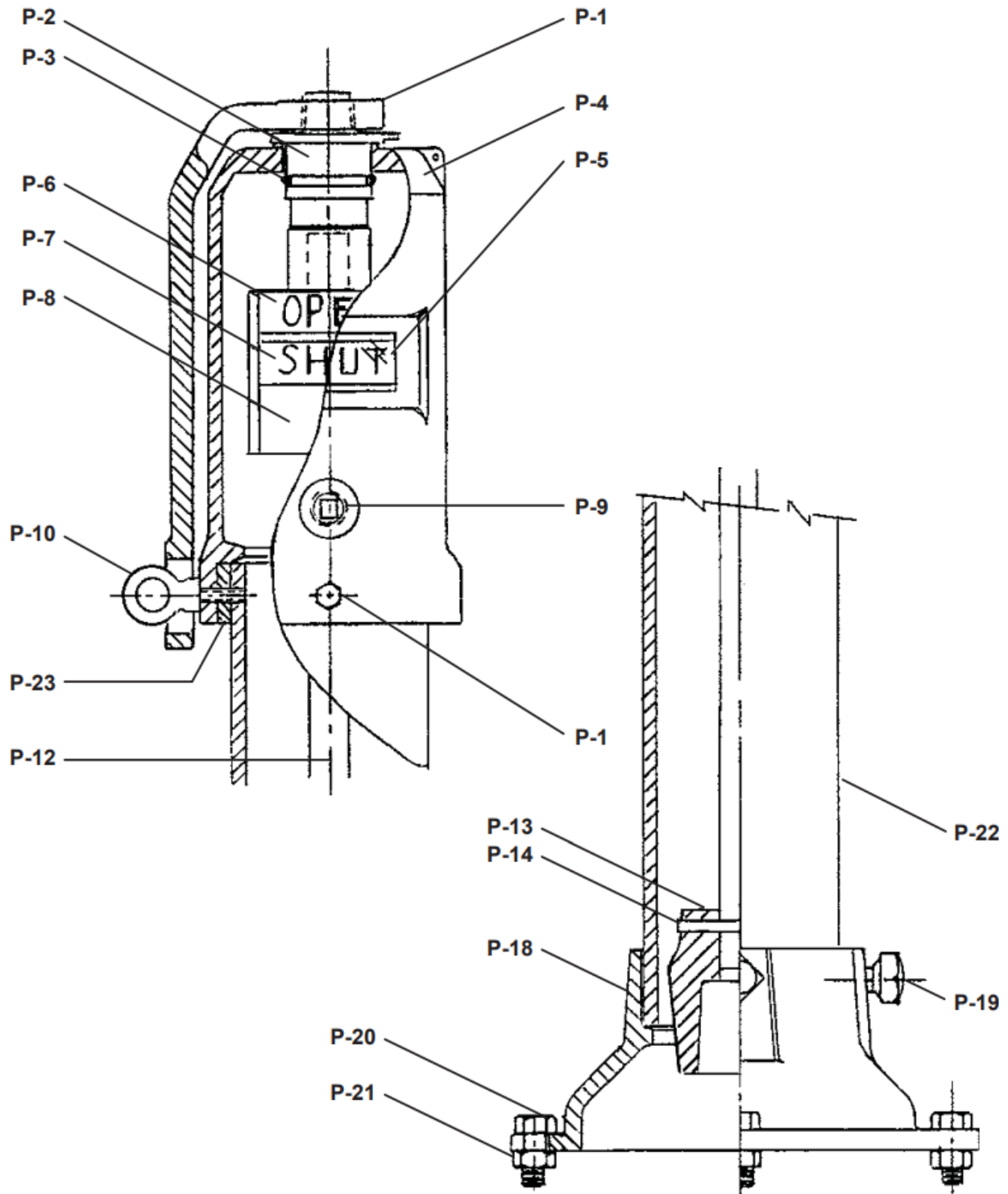


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Indicator Posts Style 2945 Fixed Length Assembly



Note: Available in Sizes F, G, and H.
See Page 6 for Dimensions





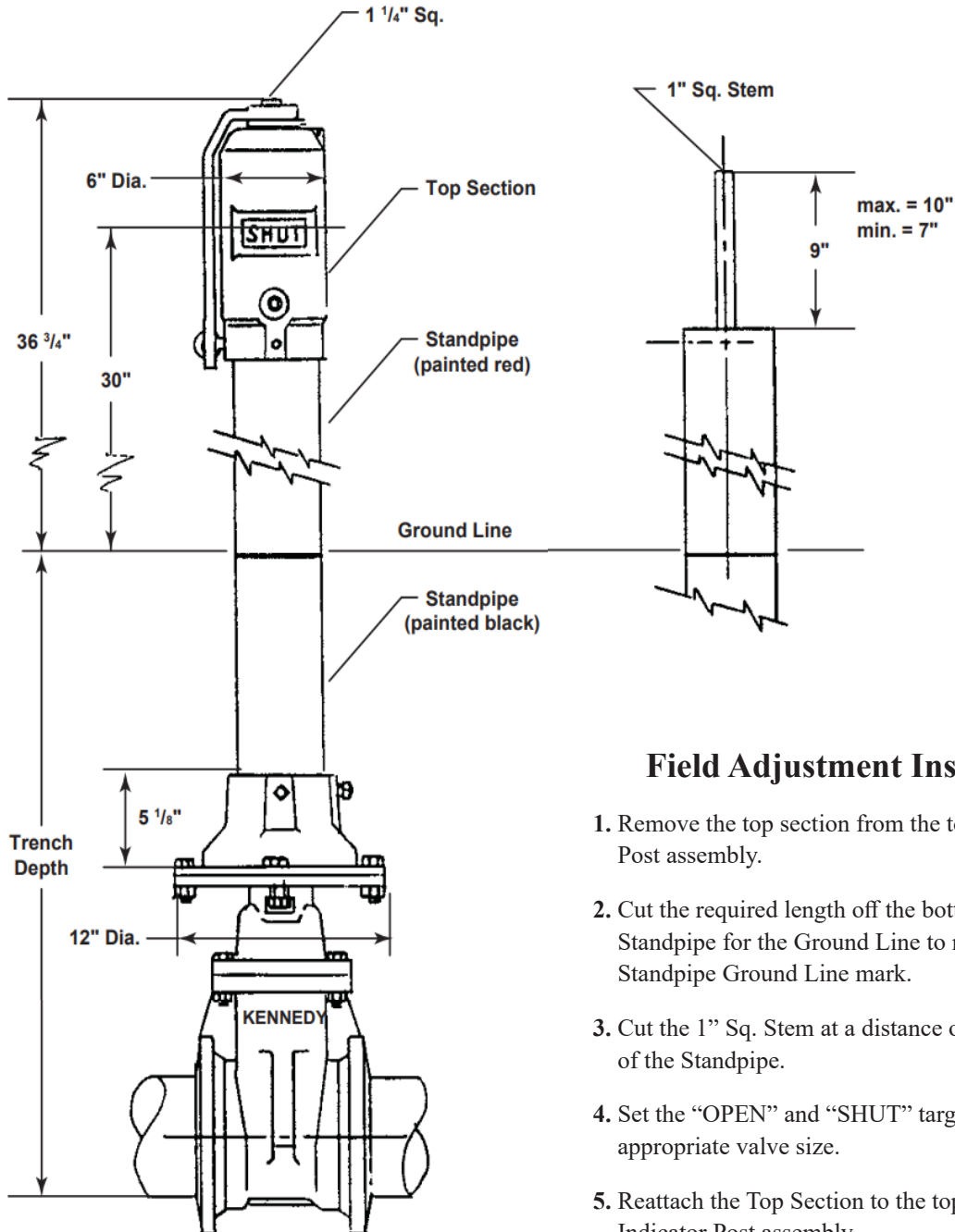
KENNEDY VALVE



Indicator Posts Style 2945 Fixed Length Dimensions and Instructions

Note: Available in Sizes F, G, and H.

See Page 6 for Dimensions



Field Adjustment Instructions

1. Remove the top section from the top of the Indicator Post assembly.
2. Cut the required length off the bottom of the Standpipe for the Ground Line to match up with Standpipe Ground Line mark.
3. Cut the 1" Sq. Stem at a distance of 9" above the top of the Standpipe.
4. Set the "OPEN" and "SHUT" targets for the appropriate valve size.
5. Reattach the Top Section to the top of the Indicator Post assembly.



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Indicator Posts Style 2945A (Adjustable) and Style 2945 (Fixed) Parts List

DET	QTY.	PART NO.	DESCRIPTION	MATERIAL
P-1	1	3361270	Locking Wrench	Cast Iron ASTM A-126 Cl.B
P-2	1	3024872 (4-14")	Operating Nut	Bronze ASTM B584 Alloy 864
P-3	1	442639P	Retainer O-Ring #226	Buna N
P-4	1	3020913	Top Section	Cast Iron ASTM A-126 Cl.B
P-5	2	441980P	Window Glass	Lexan - UV Stabilized
P-6	2	443370P	Open Target	Cast Aluminum
P-7	2	443371P	Shut Target	Cast Aluminum
P-8	1	—	Target Carrier Assem.	
	1	3005802 (4-14")	Target Carrier Nut	Bronze ASTM B584 Alloy 844
	2	443347P	Target Carrier Plate	1/16" Sheet Metal
	4	440736P	Clamp Target Retainer	16 Ga. 302 S.S.
	8	444171P	#10-24x1/2 " Pan Head	Stainless Steel
	4	442411P	#10-24 Hex Nut	Zinc Plated steel
P-9	1	443476P	1/2" NPT Pipe Plug	Mall. Iron
P-10	1	440254P	3/8" Eyebolt #23	Forged Steel
P-11A 1		444303P	3/8-16x1" Hex Capscrew (Adj. Post)	Zinc Plated Steel
P-11F 2		444306P	3/8-16x1 1/2" Hex Capscrew (Fixed Post)	Zinc Plated Steel
P-12	1	**	Stem 1" Sq.	AISI M1020 HRS
P-13	1	318035&	Crane Coupling	Cast Iron ASTM A-126 Cl.B
P-14	1	442190P	Cotter Pin	Brass
P-15	2	444342P	3/4" Hex Hd. Screw	Zinc Plated Steel
P-16	1	3004774	Telescoping Barrel	Cast Iron ASTM A-126 Cl.B
P-17	1	**	Lower Standpipe (Adjustable Post)	4" D.I. CI 52 ANSI A21.51
P-18	1	3180402 (3-12")	Base Flange	Cast Iron ASTM A-126 Cl.B
P-19	3	444355P	5/8"x1" Hex Hd. Screw	Zinc Plated Steel
P-20	4	444357P	5/8"x2 1/4" Hex Capscrew	Zinc Plated steel
P-21	4	442484P	5/8" Hex Nut	Zinc Plated Steel
P-22	1	**	Standpipe Section (Fixed Post)	4" D.I. CI 52 ANSI A21.51
P-23	1	3004762	Spacer Sleeve (Fixed Post)	5" D.I. CI 52 ANSI A21.51

**Part numbers change based on post furnished.



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Indicator Posts Style 2945A (Adjustable) and Style 2945 (Fixed) Trench Depths for Gate Valves

Note: RSGV (3"-12") - Maximum turns to open = 45

For valves requiring more than 45 turns to open, contact Kennedy Valve.

TELESCOPING BARREL 2945A TRENCH DEPTH LIMITS

	B Size		C Size		D Size		E Size	
Valve Size	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
4"	31"	51"	49"	69"	67"	87"	88"	111"
6"	35"	55"	53"	73"	71"	91"	92"	115"
8"	42"	62"	60"	80"	78"	98"	99"	122"
10"	45"	65"	63"	83"	81"	101"	102"	125"
12"	49"	69"	67"	87"	85"	105"	106"	129"
14"/16"	58"	78"	76"	96"	94"	114"	115"	138"

FIXED LENGTH POSTS 2945 MAXIMUM TRENCH DEPTH

Valve Size	F Size	G Size	H Size
4"	45 ¹ / ₂ "	63 ¹ / ₂ "	87 ¹ / ₂ "
6"	49 ¹ / ₂ "	67 ¹ / ₂ "	91 ¹ / ₂ "
8"	54 ¹ / ₂ "	72 ¹ / ₂ "	96 ¹ / ₂ "
10"	59"	77"	101"
12"	64"	82"	106"
14"	69"	87"	111"



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Indicator Posts Style 2945A (Adjustable) and Style 2945 (Fixed) Installation Instructions

Note: RSGV (3"-12") - Maximum turns to open = 45

For valves requiring more than 45 turns to open, contact Kennedy Valve.

Installation - The valve should be opened to the fully open position before proceeding with the Indicator Post installation.

1. Disassembly of the Indicator Post Unit

Telescoping Barrel Units

- Remove the Top Section from the end of the barrel.
- Loosen the two screws on the barrel and slide off the top of the standpipe.

Fixed Length Units

- Remove the Top Section from the end of the standpipe.

2. Base Flange Installation:

- Attach the base flange along with the standpipe to the valve plate using the four 5/8" bolts and nuts provided.

3. Grade Line Adjustments:

Telescoping Barrel Units

- Lower the barrel over the standpipe until the grade line mark on the barrel is at ground line height and then tighten the two screws securely.

Fixed Length Units

- Cut the required length off the bottom of the standpipe so that the indicated grade line of the standpipe is at the ground line height and then secure to the base flange by tightening the two screws.

4. Extension Rod Adjustments:

Lower the stem into the barrel/standpipe, placing the crane coupling over the valve operating nut.

It is necessary that the stem engage the operating nut a minimum of 2 inches, but not more than 5 inches.

To check for correct engagement, the end of the stem should be from 7 inches to 10 inches above the top of the standpipe (Fixed Length Units) or the top of the telescoping barrel.

5. Target (Open and Shut) Adjustments

Remove the target assembly from inside the body by rotating the operating nut counterclockwise.

Loosen the target retainer screws, but do not remove them.



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Indicator Posts Style 2945A (Adjustable) and Style 2945 (Fixed) Installation Instructions



5. Cont'd

Open Left Valves

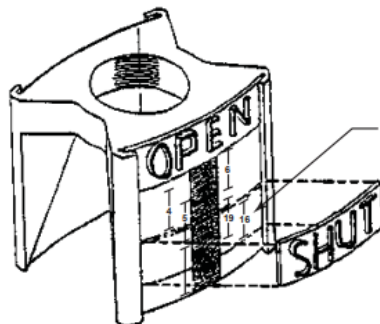
Move the OPEN target to the top of the plate.

Note: Position of the SHUT target can be determined by the following chart:

Valve Size	4"	6"	8"	10"	12"	14"
Gate Valve "A"	1"	1 ³ / ₈ "	1 ¹³ / ₁₆ "	2 ³ / ₁₆ "	2 ⁵ / ₈ "	3"
RW Valve "A"	7/ ₈ "	1 ⁵ / ₁₆ "	1 ¹¹ / ₁₆ "	2 ¹ / ₈ "	2 ¹ / ₂ "	See Note (1)

Position the SHUT target as indicated below and tighten the retainer screws until snug. Avoid over tightening. Repeat the procedure for the other side.

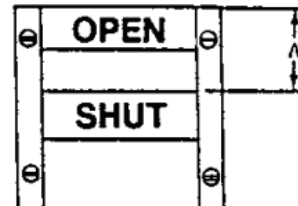
Note (1): Resilient Seat Gate Valves 14" and larger, require special target mechanism threads. Contact Kennedy Valve Engineering



Valve size target location markings

Adjustment of target:

1. Grasp target at midpoint & pull out slightly.
2. Slide up or down to desired location & then release grip.



Open Right Valves

The procedure is similar as for open left, but with two differences:

A: The open target is placed **below** the shut target.

B: The open target is placed at the very **bottom** of the plate.

The position of the shut target above the open target is then determined and set as described above.

Maintenance

1. Lubrication

Lubricate upper bearing area at least once per year, by applying several drops of light machine oil or food grade grease to the areas where the Operating Nut (P-2) contacts the Top Section (P-4).

Access to this area is gained by removing the Locking Wrench (P-1) and lifting upward on the Operating Nut (P-2).

2. Operation

The target mechanism will travel off the threads of the operating nut in both directions should the targets or target mechanism be positioned incorrectly. Should this happen, readjust targets. If the target mechanism falls from the operating nut, it will be stopped a short distance below the window.



KENNEDY VALVE



Indicator Posts

Style 2945A

Changing Instructions for Lower Standpipe

Note: Kennedy Valve does offer for sale Couplings to extend Stems.

2945 (A) Vertical Indicator Post - Changing the Lower Standpipe

1. Loosen (2) 3/4" - UNC Bolts (Items P-15) that retain the Telescoping Barrel (Item P-16) to the lower Standpipe (Item P-17)
2. Working in a safe manner lift off the entire top assembly (Items P-1 through P-16) from the Telescoping Barrel and Base Flange
3. Remove the Stem (Item P-12) and Crane Coupling (Item P-13) sub-assembly
4. Loosen the 3/4" -UNC Bolts (19) that retain the Lower Standpipe to the Base Flange
5. Remove the existing Lower Standpipe and set the new one into the socket in the Base Flange.
6. Securely tighten the bolts that were loosened in Step 4 (50 to 100 ft.-lb)
7. Working safely, slide the entire top assembly over the new Lower Standpipe
8. Tighten the (2) 3/4" - UNC Bolts that retain the Telescoping Barrel to the Lower Standpipe (Item P-15) - Tighten them securely enough to safely maneuver the Post in the field
9. Remove the Wrench (Item P-1), the 3/8" - UNC Bolt (Item 11A) and the Eyebolt (Item P-10)
10. Lift the assembly of the Top Section (Item P-4), Operating Nut (Item P-2), Target Carrier Assembly (Items P-6 through P-8), etc. from the Telescoping Barrel.
11. If a longer Lower Standpipe has been installed it will be necessary to procure a longer Stem. Slip the Crane Coupling (Item P-13) over one end of the new Stem and cross drill a new, cotter pin hole through the new Stem
12. If the Lower Standpipe just installed is shorter than the one it replaced the Stem will have to be cut
13. Bolt the Base Flange of the sub-assembly that includes the Base Flange, Lower Standpipe and Telescoping Barrel to the flange of the valve, using the 3/4" - UNC Bolts & Nuts provided by Kennedy Valve
14. Place the square socket in the Crane Coupling on the Stem & Coupling sub-assembly over the 2" Square Nut at the top of the stem of the valve
15. See page 17-4 of the Kennedy Valve Product Catalog and follow the directions.

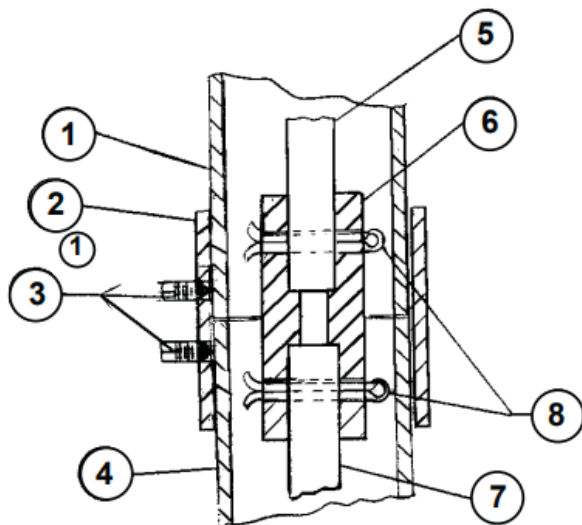


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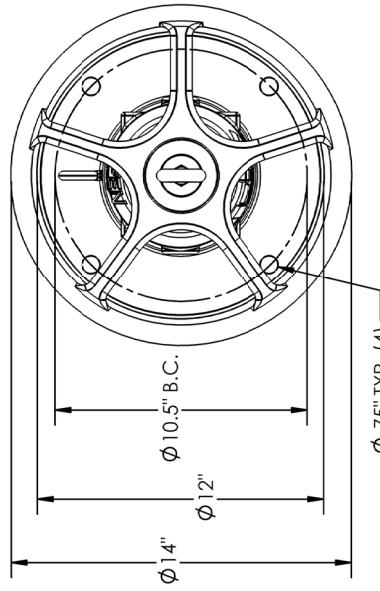
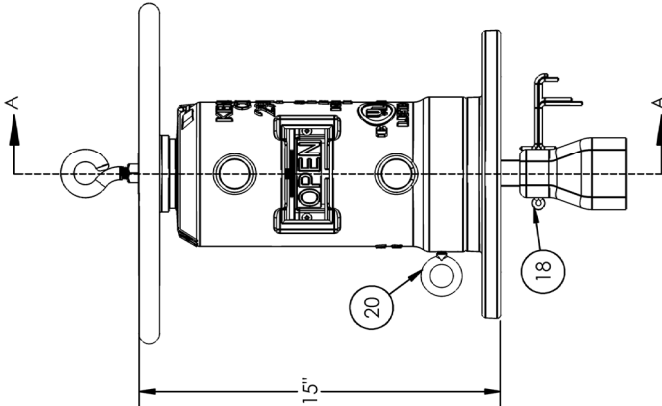
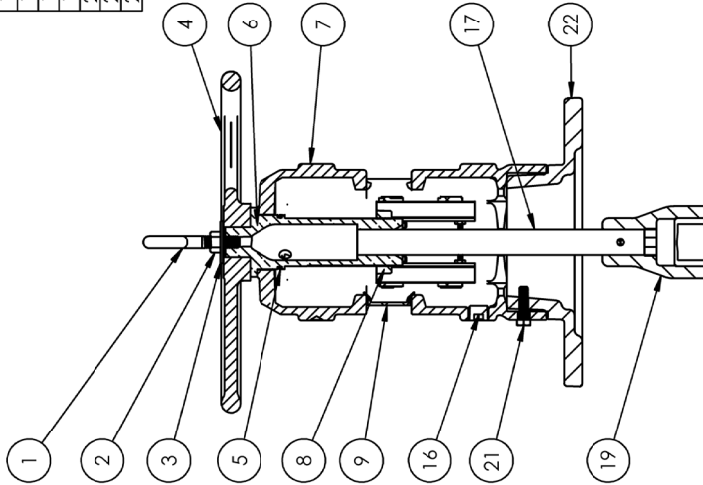
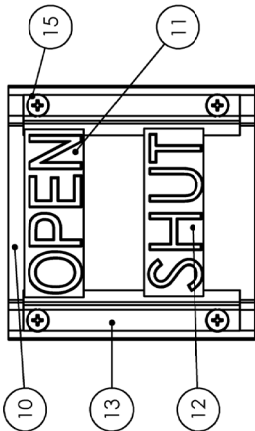
Indicator Posts Style 2945A Instructions for Post Extension



Loosen the two 3/4" screws on top pipe section (near grade line at bottom of pipe). Pull apart the upper section from the lower pipe section. Place new extension coupling with new extension pipe over the existing lower pipe section. Tighten screws provided on the extension pipe and lower pipe (3/4" X 1" square head screw). Take existing stem and place the new extension stem with coupling on top of original stem. Drill through stem and coupling (pilot holes provided on one side) then pin together with pins provided (1/4" X 3" br. cotter keys). Place stem down the inside of new extension and lower pipe assembly aligning it on the 2" square nut on valve. At this time, remove top section (with operating nut assembly) from off the top of indicator post standpipe (two bolts). Place complete upper section over top of stem and align with the new extension pipe. Push together, adjust to desired height, and retighten the two 3/4" screws in top pipe section. Stem should be cut 7" - 10" above the pipe. Adjust open/shut plates per instructions and replace top section with stem nut (can also be extended at bottom end).



No.	Description
1	Ductile Pipe (as reqd)
2	Extender Coupling
3	Set Screw 3/4 UNCX1"lg
4	Lower
5	Extension Stem
6	Ext. Stem Coupling
7	Existing Stem
8	Cotter Pin



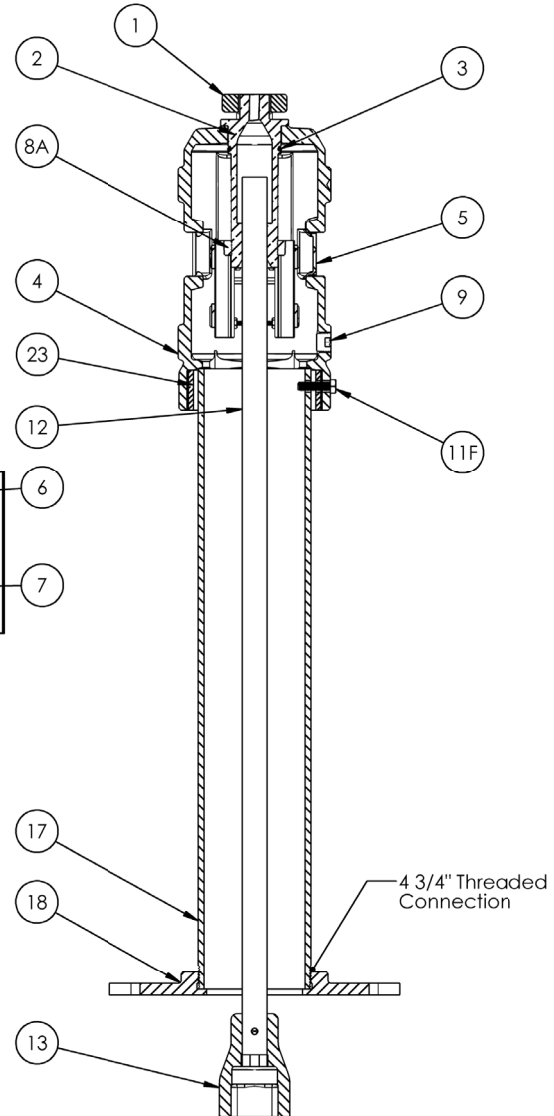
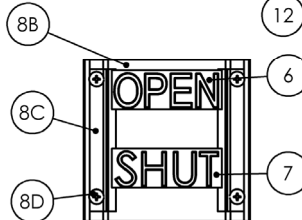
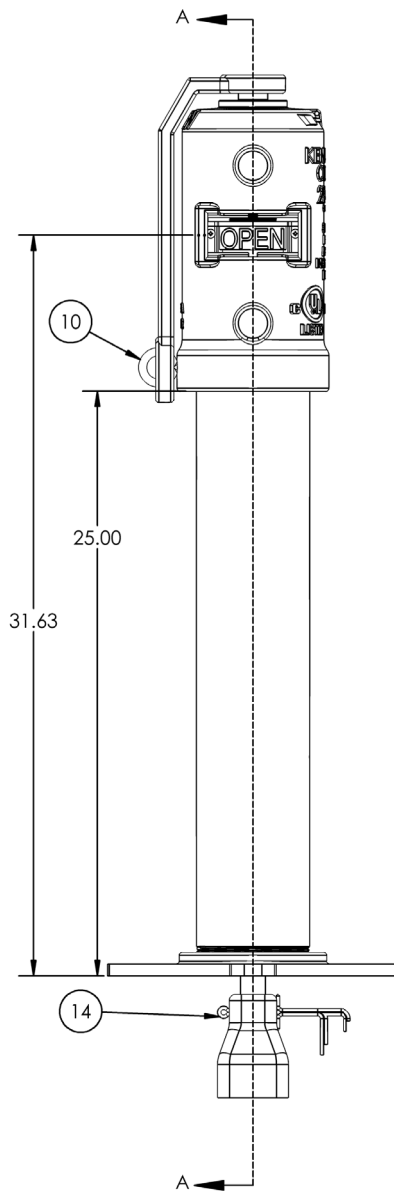
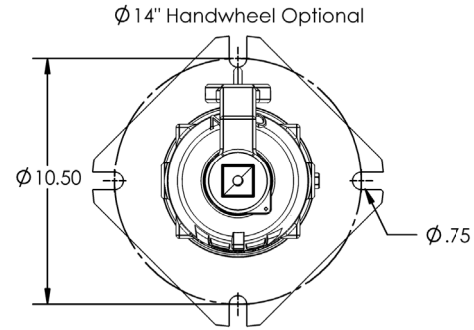
NO.	ITEM	QTY	MATERIAL
1	EYEBOLT 1/2-UNC 2" LG	1	STEEL
2	NUT 1/2-UNC PLATED	1	STEEL
3	WASHER 5/8 0 PLATED	1	STEEL
4	HANDWHEEL 14" DIA	1	CAST IRON
5	RETAINER O-RING #226	1	BUNA
6	OPERATING STEM NUT	1	BRONZE ASTM B584 ALLOY 864
7	TOP SECTION	1	CAST IRON ASTM A126 CLASS B
8	TARGET CARRIER NUT	1	BRONZE ASTM B584 ALLOY 864
9	WINDOW	1	LEXAN-UV STABILIZED
10	TARGET CARRIER PLATE	2	1/16" SHEET METAL
11	OPEN TARGET PLATE	2	CAST ALUMINUM
12	SHUT TARGET PLATE	2	CAST ALUMINUM
13	CLAMP TARGET RETAINER	4	16 GA 302 SS
14	#10-24 HEX NUT	4	ZINC PLATED
15	#10-24X1/2" PAN HEAD SCREW	8	ZINC PLATED
16	PIPE PLUG-1/2" NPT	1	MALL IRON
17	STEM 1" SQUARE	1	ASI M1020 HRS
18	COTTER PIN	1	BRASS
19	CRANE COUPLING	1	CAST IRON ASTM A126 CLASS B
20	3/8" EYEBOLT #23	1	FORGED STEEL
21	3/8-16X1" HEX CAPSCREW	1	ZINC PLATED STEEL
22	BASE FLANGE	1	CAST IRON ASTM A126 CLASS B



TITLE: WALL POST ASSEMBLY
FIGURE 2945W

B	PART NO.	DWG NO.	32187
	XXXXXX		
	Date: 09/24/12	SCALE: 1:10	REF: 01
	Drawn By: LKH		
	Checked By:		
No.	Date	RECD	PROJ

#	PART NO.	DESCRIPTION	MATERIAL
1	446127P	LOCKING WRENCH	CAST IRON ASTM A126 CLASS B
2	3024872 (4-14")	OPERATING NUT	BRONZE ASTM B584 ALLOY 864
3	442639P	RETAINER O-RING 2-226	BUNA N
4	3020912	TOP SECTION	CAST IRON ASTM A126 CLASS B
5	441980P	WINDOW GLASS	LEXAN-UV STABILIZED
6	443370P	OPEN TARGET	CAST ALUMINUM
7	443371P	SHUT TARGET	CAST ALUMINUM
8	-	TARGET CARRIER ASSEMBLY	
8A	3005802 (4-12")	TARGET CARRIER NUT	BRONZE ASTM B584 ALLOY 864
8B	443347P	TARGET CARRIER PLATE	1/16" SHEET METAL
8C	440736P	CLAMP TARGET RETAINER	16 GA 302 SS
8D	444171P	#10-24 x 1/2" PAN HEAD	ZINC PLATED STEEL
8E	442411P	#10-24 HEX NUT	ZINC PLATED STEEL
9	443476P	1/2" NPT PIPE PLUG	MALL IRON
10	440254P	3/8" EYEBOLT T #23	FORGED STEEL
11F	444306P	3/8-16 x 1-1/2" HEX CAP SCREW	
12	2181002	STEM 1" SQUARE 87"	AISI M1020 HRS
13	3180353	CRANE COUPLING	CAST IRON ASTM A126 CLASS B
14	442190P	COTTER PIN	BRASS
17	3180115	STANDPIPE	4" D.I. ANSI A21.51
18	3180362	FLOOR FLANGE	CAST IRON ASTM A126 CLASS B
23	3004762	SPACER SLEEVE	5" D.I. ANSI A21.51



-	8/20	-	CORRECTED 3/8-16 HHCS	Date: 09/24/12
014/13	2860	RELEASED	Drawn By: LKH	
No.	Date	REV/ECN	REVISION	Checked By:

B	DWG NO. 32188	PART NO. XXXXXX	KENNEDY VALVE DIVISION OF MCWANE INC. ELMIRA, NY 14901
SCALE: 1:10	FILE PATH: VAULT	REV. 01	TITLE: FIGURE 2945P FLANGED BASE INDICATOR POST ASSY DWG

8/25/20