

## POST INDICATOR VALVE ASSEMBLY WITH BUILT-IN GEAR DRIVE

MODEL: SD-800

### GENERAL DESCRIPTION

#### INDICATOR POST

- Adjustable type vertical mounted
- Sizes : 14" to 24"
- Post Indicator Body : Cast Iron ASTM A126 Class B
- Vertical type enables underground fire line valves to be operated at ground level with operating wrench.
- Built In gear drive.
- 2:1 gear ratio to reduce valve operating torque.
- Enclosed and completely sealed to provide the ultimate in corrosion protection.

#### INDICATOR POST

- Resilient Seated Gate Valves are in accordance with ANSI /AWWA C515 Standard.
- Body, bonnet, and wedge of the gate valve shall be of high strength Ductile Iron, ASTM A536, Grade 65-45-12.
- Valves Fusion Bonded Epoxy Coated Interior and Exterior, ANSI / AWWA C550.
- Stuffing Box Gland shall have a minimum of three (3) O-rings capable of replacement under pressure while gate is in the full open position.
- EPDM O-ring Seals shall be located between Stuffing Box Gland, Bonnet, and Body.
- Operating Stem shall be 431 Stainless Steel with (3) Machined Grooves located just above the Lower Stem O-ring to accept and mate with a 2-piece Brass Split Ring. The design of the Stem and Split Ring will eliminate any upward or downward operating thrust on any Iron service.
- Underwriters Laboratories Listed with a Pressure Rating of 250 psi for 14", 16", 18" sizes, and 200 psi for 20", 24" sizes.

#### INDICATOR POST - FIELD ADJUSTMENT

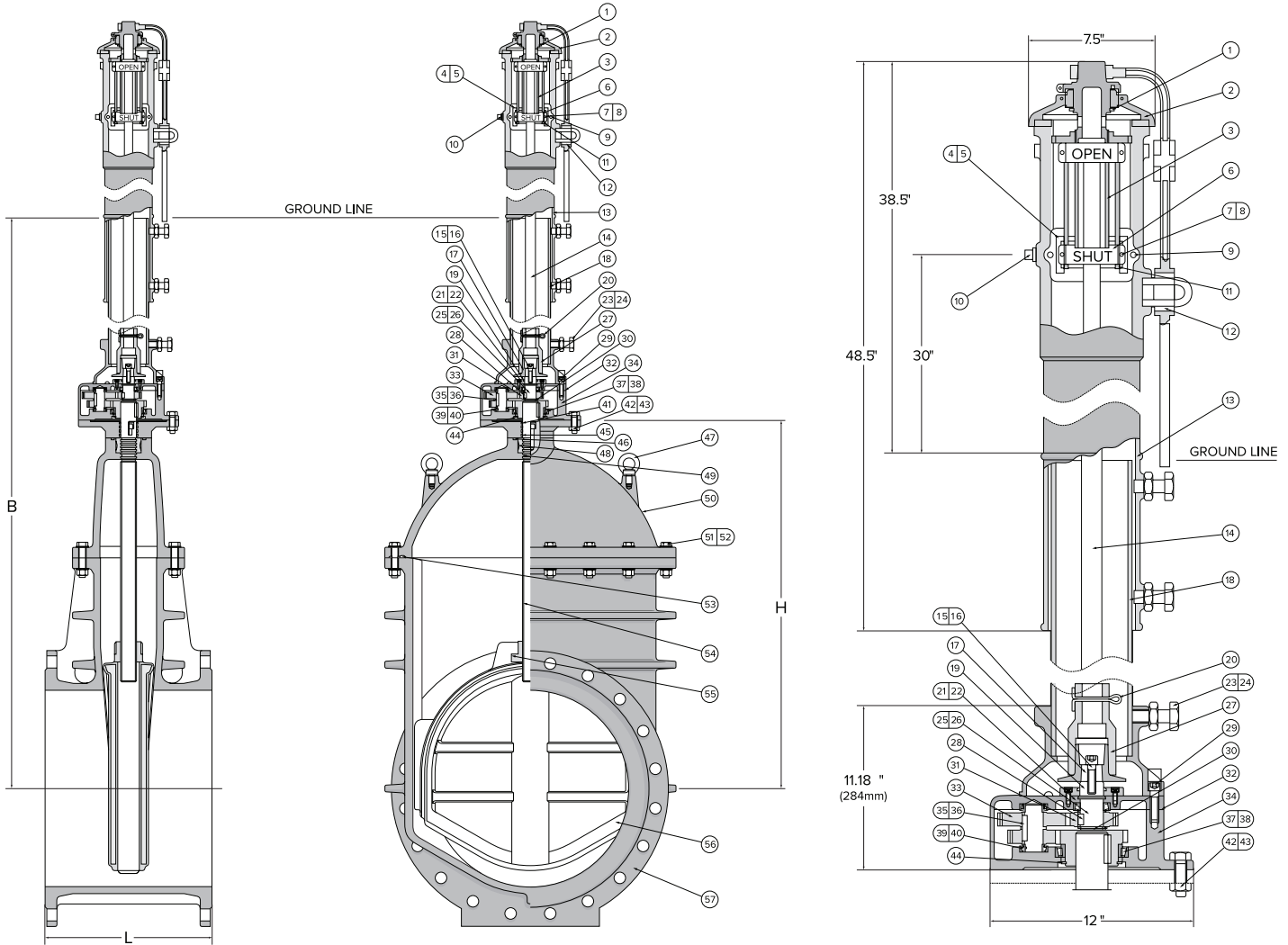
- Remove the top section from the top of the Indicator Post assembly.
- Cut the required stem length and adjust the Standpipe to match the ground line.
- Set the "OPEN" and "SHUT" targets for the appropriate valve size.
- Reattach the top section to the top of the Indicator Post assembly.
- Design and material are subject to change without notice.



Size	B (Burry Depth Range)			
	Minimum		Maximum	
	inch	mm	inch	mm
14"	49.02	1245	83.66	2125
16"	51.97	1320	86.61	2200
18"	56.1	1425	90.75	2305
20"	59.06	1500	93.7	2380
24"	65.5	1665	100.2	2545

Size	H		L	
	inch	mm	inch	mm
14"	27.36	695	15	381
16"	30.31	770	16	406.4
18"	34.45	875	17	431.8
20"	37.1	950	18	457.2
24"	43.9	1115	20	508

## LINE DRAWINGS AND DIMENSIONS



Item#	Description	Material/Specification
1	Snap Ring	AISI066
2	Tor Section	C.1ASTMA126 Class B
3	Operating Nut	Bronze ASTM B62 C83600
4	Gasket	PTFE
5	Window Glass	Lexan-Un Stabilized
6	Target Brz.	ASTM B62 C83600 OR St. Steel GR.304
7	Hex Capscrew	C.S.ASTM A307B
8	Hex Nut	C.S.ASTM A307B
9	Hex Capscrew	C.S.ASTM A307B
10	Plug	Malleableiron
11	Target Carrier Nut	Brz. ASTM B62 C83600 OR St. Steel GR.304
12	Locking Wrench	D.I.ASTM A536 65-45-12
13	Body	C.1ASTMA126 Class B
14	Stem Square	AISI 1045
15	Screw	A2-70
16	Washer	CS.Zinc Plated
17	Wrench Nut	D.I.ASTM A536 GR.65-45-12
18	Standpipe	C.S.ASTM A53
19	Dust Sealing	NBR
20	Cotter Pin	SS.AISI 304
21	Gland	X20CR13
22	Gland Gasket	Graphite
23	Hex Nut	C.S.ASTM A307B
24	Hex Capscrew	C.S.ASTM A307B
25	Bearing	#32907
26	Input Stem	X20CR13

Item#	Description	Material/Specification
27	Crane Coupling	D.I.ASTM A536 65-45-12
28	Key	Carbon Steel
29	Housing Cover	C.1ASTMA126 Class B
30	Gasket	NBR
31	Input Gear	ANSI 1045(#45)
32	Housing Cover Gasket	NBR
33	Gear	D.I.ASTM A536 GR.65-45-12
34	Housing	C.1ASTMA126 Class B
35	Key	Carbon Steel
36	Gear	D.I.ASTM A536 GR.65-45-12
37	Output Gear	ANSI 1045
38	Bearing	#32916
39	Bearing	#32907
40	Gear Stem	SS304
41	Scrapseal	NBR
42	Hex Capscrew	C.S.ASTM A307B
43	Hex Nut	C.S.ASTM A307B
44	Spring Cushion	AISI066
45	O-Ring	NBR
46	O-Ring	NBR
47	Eye Bolt	C.S.ASTM A307B
48	Clasp Ring	Bronze
49	O-Ring	NBR
50	Bonnet	D.I.ASTM A536 GR.65-45-12
51	Screw	C.S.ASTM A307B
52	Nut	C.S.ASTM A307B

Item#	Description	Material/Specification
53	Gasket	EPDM
54	Stem Carbon	Steel
55	Stem Nut	Bronze
56	Wedge Disc	D.I.ASTM A536 GR.65-45-12+EPDM
57	Body	D.I.ASTM A536 GR.65-45-12

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