

AC-31 ALUMINUM CANAL GATE

SIZES 12" - 84"

- A SUPERBLY ENGINEERED GATE EXPRESSLY SUITABLE FOR CORROSION-RESISTANT, RUST PROOF DEMANDS.
- RUGGED, HEAVY DUTY CONSTRUCTION - YET LIGHTWEIGHT AND EASY TO INSTALL.
- ALUMINUM GATE ELIMINATES ELECTROLYSIS USUALLY FOUND IN CAST IRON GATE TO ALUMINUM PIPE CONNECTIONS.
- MINIMAL LEAKAGE - TIGHT CLOSURE
- SPECIFY:
 - AC-31sb... for corrugated metal pipe mounting
 - AC-31-4... for PVC pipe
 - AC-31f... for wall mounting
 - AC-31ff... for flange or thimble mounting
 - AC-31-6... for HDPE pipe

FEATURES:

SEATING HEADS TO 30 FEET

UNSEATING HEADS TO 20 FEET

TAPERED SLIDE:

Provides wedge-type seating and low friction opening.

NEOPRENE J-BULB SEAL:

Virtual leakproof closure. Easily replaceable.

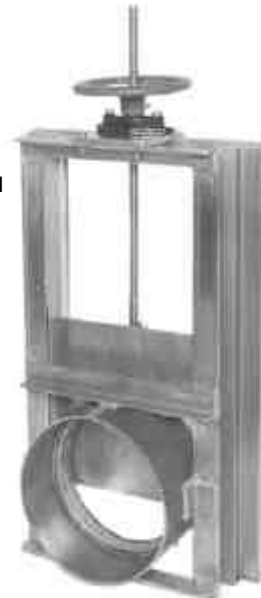
STAINLESS STEEL STEM & HARDWARE

BRONZE LIFT NUT

GUIDE INSERTS:

Reduced slide friction. Ultra high molecular weight (UHMW) polyethylene, dovetailed.

Back View
Showing Spigot
and Neoprene Seal



AC-31sb
FRONT VIEW

AC-31-6
(shown with HDPE
pipe attached)



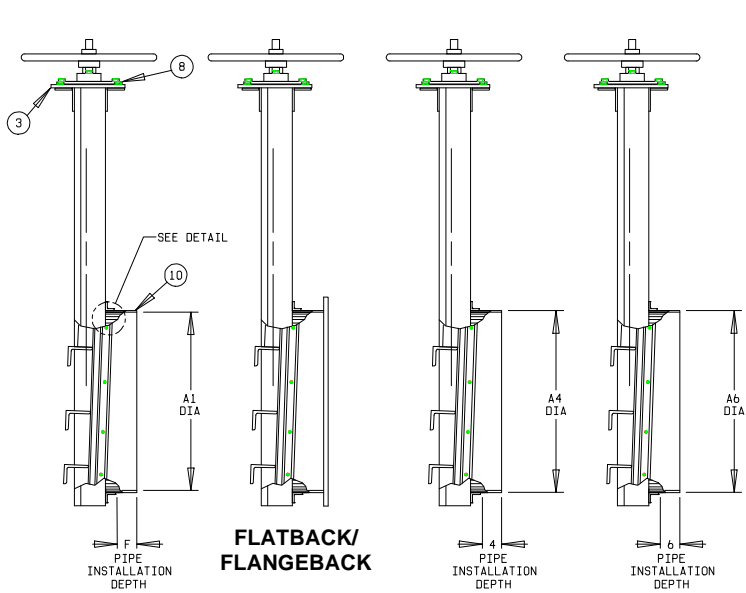
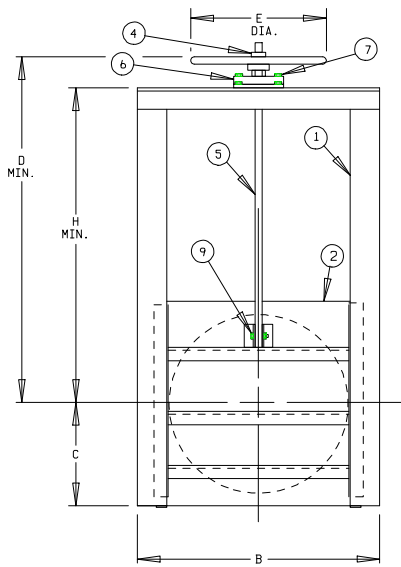
Recommended Maximum Seating Heads*

8" - 30" 30 Feet
 36" - 42" 20 Feet
 48" - 60" 15 Feet
 66" - 84" 10 Feet



AC-31 Flatback
w/Torque Tube
(Rising Stem
Extension)

AC-31 ALUMINUM CANAL GATE

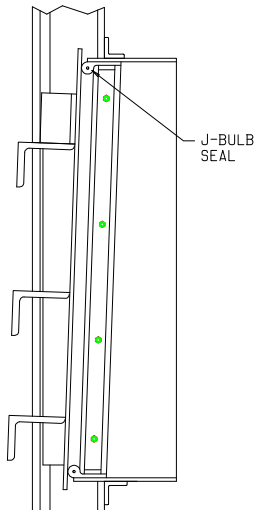


SPIGOTBACK

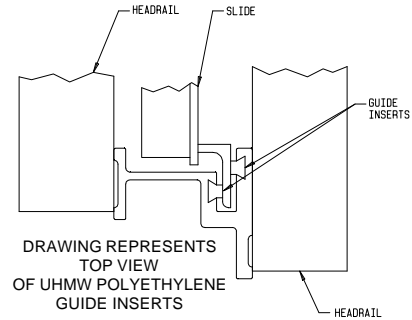
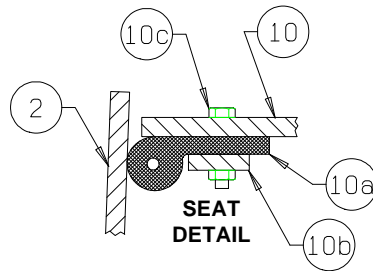
**FLATBACK/
FLANGEBACK**

TYPE 4

TYPE 6



DRAWING REPRESENTS SIDE VIEW OF TAPERED SLIDE AGAINST J-BULB SEATING



DRAWING REPRESENTS TOP VIEW OF UHMW POLYETHYLENE GUIDE INSERTS

PARTS LIST		
No.	Name	Qty.
1	Frame (Aluminum, extruded)	1
2	Cover (Aluminum plate)	1
3	Top Plate (Aluminum)	1
4	Handwheel	1
5	Stem (Stainless steel, threaded)	1
6	Lift Housing and Nut	1
7	Lift Housing Hardware (Stainless steel)	2
8	Top Plate Hardware (Stainless steel)	4
9	Stem to Cover Attaching Hardware (Stainless steel)	1
10	Aluminum Spigot	1
10a	J-Bulb Seat Ring (Neoprene Rubber)	1
10b	Retainer Ring (Aluminum)	1
10c	Mounting Hardware (Stainless steel)	A/R

AC-31 ALUMINUM CANAL GATE									
DIMENSION IN INCHES									
GATE SIZE (DIA)	A1 I.D.	A4 O.D.	A6 O.D.	B	C	D*	E**	F	H
12	13 $\frac{1}{8}$	11 $\frac{7}{8}$	11 $\frac{15}{16}$	21	8	26	10	4 $\frac{1}{4}$	22
15	16 $\frac{1}{8}$	14 $\frac{3}{4}$	14 $\frac{7}{8}$	25	9 $\frac{1}{2}$	32 $\frac{1}{2}$	10	4 $\frac{1}{4}$	28 $\frac{1}{2}$
18	19 $\frac{1}{8}$	17 $\frac{3}{4}$	17 $\frac{7}{8}$	28	11	37 $\frac{1}{2}$	12	4 $\frac{1}{4}$	33 $\frac{1}{2}$
24	25 $\frac{1}{8}$		24	34	14	46 $\frac{1}{2}$	12	4 $\frac{1}{4}$	42 $\frac{1}{2}$
30	31 $\frac{1}{8}$		30	40	18	58 $\frac{1}{2}$	15	4 $\frac{1}{4}$	54 $\frac{1}{2}$
36	37 $\frac{1}{8}$			46	21	67 $\frac{1}{2}$	15	4 $\frac{1}{4}$	63 $\frac{1}{2}$
42	43 $\frac{1}{8}$			52	24	76 $\frac{1}{2}$	18	5 $\frac{1}{2}$	72 $\frac{1}{2}$
48	49 $\frac{1}{8}$			57 $\frac{7}{8}$	28 $\frac{1}{2}$	93*	15R**	5	87
54	55 $\frac{1}{8}$			63 $\frac{7}{8}$	31 $\frac{1}{2}$	101*	15R**	6	95
60	61 $\frac{1}{8}$			69 $\frac{7}{8}$	34 $\frac{1}{2}$	114 $\frac{1}{4}$ *	15R**	6	108
66	67 $\frac{1}{8}$			75 $\frac{7}{8}$	37 $\frac{1}{2}$	123 $\frac{1}{4}$ *	15R**	6	117
72	73 $\frac{1}{8}$			81 $\frac{7}{8}$	40 $\frac{1}{2}$	132 $\frac{1}{4}$ *	15R**	6	126
84	85 $\frac{1}{8}$			94 $\frac{1}{8}$	46 $\frac{1}{2}$	152 $\frac{3}{4}$ *	15R**	7	146 $\frac{1}{2}$

* Dimension from gate centerline to centerline of lift input shaft
 ** 15" Handcrank