



770.664.6513 (V) 770.664.6565 (F)

Discharge Table For 18" W x 108" L Cutthroat Flume

Document: C-18-108-D-T Rev.: 0 Date: 1-6-11 By: Matt Kazmier

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
0.01	0.12			
0.02	0.24			
0.03	0.36			
0.04	0.48			
0.05	0.60			
0.06	0.72			
0.07	0.84			
0.08	0.96			
0.09	1.08			
0.10	1.20			
0.11	1.32			
0.12	1.44			
0.13	1.56			
0.14	1.68			
0.15	1.80			
0.16	1.92			
0.17	2.04			
0.18	2.16			
0.19	2.28			
0.20	2.40	0.431	193.6	0.2788
0.21	2.52	0.465	208.9	0.3008
0.22	2.64	0.500	224.6	0.3234
0.23	2.76	0.536	240.7	0.3467
0.24	2.88	0.573	257.3	0.3705
0.25	3.00	0.611	274.2	0.3948
0.26	3.12	0.649	291.5	0.4197
0.27	3.24	0.689	309.1	0.4452
0.28	3.36	0.729	327.2	0.4712
0.29	3.48	0.770	345.6	0.4977
0.30	3.60	0.812	364.4	0.5247
0.31	3.72	0.854	383.5	0.5522
0.32	3.84	0.898	403.0	0.5803
0.33	3.96	0.942	422.8	0.6088
0.34	4.08	0.987	442.9	0.6378
0.35	4.20	1.033	463.4	0.6674
0.36	4.32	1.079	484.2	0.6973
0.37	4.44	1.126	505.4	0.7278
0.38	4.56	1.174	526.9	0.7587
0.39	4.68	1.222	548.6	0.7901
0.40	4.80	1.272	570.7	0.8219
0.41	4.92	1.322	593.2	0.8542
0.42	5.04	1.372	615.9	0.8869
0.43	5.16	1.424	638.9	0.9201
0.44	5.28	1.476	662.2	0.9537
0.45	5.40	1.528	685.9	0.9877
0.46	5.52	1.582	709.8	1.022
0.47	5.64	1.635	734.0	1.057
0.48	5.76	1.690	758.5	1.092
0.49	5.88	1.745	783.3	1.128
0.50	6.00	1.801	808.4	1.164

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
0.51	6.12	1.858	833.8	1.201
0.52	6.24	1.915	859.4	1.238
0.53	6.36	1.973	885.3	1.275
0.54	6.48	2.031	911.5	1.313
0.55	6.60	2.090	938.0	1.351
0.56	6.72	2.150	964.7	1.389
0.57	6.84	2.210	991.7	1.428
0.58	6.96	2.271	1019	1.467
0.59	7.08	2.332	1047	1.507
0.60	7.20	2.394	1074	1.547
0.61	7.32	2.456	1102	1.588
0.62	7.44	2.519	1131	1.628
0.63	7.56	2.583	1159	1.669
0.64	7.68	2.647	1188	1.711
0.65	7.80	2.712	1217	1.753
0.66	7.92	2.778	1247	1.795
0.67	8.04	2.843	1276	1.838
0.68	8.16	2.910	1306	1.881
0.69	8.28	2.977	1336	1.924
0.70	8.40	3.045	1366	1.968
0.71	8.52	3.113	1397	2.012
0.72	8.64	3.181	1428	2.056
0.73	8.76	3.251	1459	2.101
0.74	8.88	3.320	1490	2.146
0.75	9.00	3.391	1522	2.191
0.76	9.12	3.461	1553	2.237
0.77	9.24	3.533	1585	2.283
0.78	9.36	3.604	1618	2.330
0.79	9.48	3.677	1650	2.376
0.80	9.60	3.750	1683	2.423
0.81	9.72	3.823	1716	2.471
0.82	9.84	3.897	1749	2.519
0.83	9.96	3.971	1782	2.567
0.84	10.08	4.046	1816	2.615
0.85	10.20	4.122	1850	2.664
0.86	10.32	4.198	1884	2.713
0.87	10.44	4.274	1918	2.762
0.88	10.56	4.351	1953	2.812
0.89	10.68	4.428	1987	2.862
0.90	10.80	4.506	2022	2.912
0.91	10.92	4.584	2057	2.963
0.92	11.04	4.663	2093	3.014
0.93	11.16	4.743	2128	3.065
0.94	11.28	4.822	2164	3.117
0.95	11.40	4.903	2200	3.169
0.96	11.52	4.983	2237	3.221
0.97	11.64	5.065	2273	3.273
0.98	11.76	5.146	2310	3.326
0.99	11.88	5.228	2346	3.379
1.00	12.00	5.311	2384	3.432



770.664.6513 (V) 770.664.6906 (F)

Discharge Table For 18" W x 108" L Cutthroat Flume

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
1.01	12.12	5.394	2421	3.486
1.02	12.24	5.478	2458	3.540
1.03	12.36	5.562	2496	3.594
1.04	12.48	5.646	2534	3.649
1.05	12.60	5.731	2572	3.704
1.06	12.72	5.816	2610	3.759
1.07	12.84	5.902	2649	3.815
1.08	12.96	5.988	2688	3.870
1.09	13.08	6.075	2727	3.926
1.10	13.20	6.162	2766	3.983
1.11	13.32	6.250	2805	4.039
1.12	13.44	6.338	2845	4.096
1.13	13.56	6.427	2884	4.153
1.14	13.68	6.516	2924	4.211
1.15	13.80	6.605	2964	4.269
1.16	13.92	6.695	3005	4.327
1.17	14.04	6.785	3045	4.385
1.18	14.16	6.876	3086	4.444
1.19	14.28	6.967	3127	4.503
1.20	14.40	7.058	3168	4.562
1.21	14.52	7.150	3209	4.621
1.22	14.64	7.243	3251	4.681
1.23	14.76	7.335	3292	4.741
1.24	14.88	7.429	3334	4.801
1.25	15.00	7.522	3376	4.862
1.26	15.12	7.616	3418	4.923
1.27	15.24	7.711	3461	4.984
1.28	15.36	7.806	3503	5.045
1.29	15.48	7.901	3546	5.107
1.30	15.60	7.997	3589	5.168
1.31	15.72	8.093	3632	5.231
1.32	15.84	8.190	3676	5.293
1.33	15.96	8.287	3719	5.356
1.34	16.08	8.384	3763	5.419
1.35	16.20	8.482	3807	5.482
1.36	16.32	8.580	3851	5.545
1.37	16.44	8.679	3895	5.609
1.38	16.56	8.778	3939	5.673
1.39	16.68	8.877	3984	5.737
1.40	16.80	8.977	4029	5.802
1.41	16.92	9.077	4074	5.867
1.42	17.04	9.178	4119	5.932
1.43	17.16	9.279	4164	5.997
1.44	17.28	9.380	4210	6.063
1.45	17.40	9.482	4256	6.128
1.46	17.52	9.584	4301	6.194
1.47	17.64	9.687	4348	6.261
1.48	17.76	9.790	4394	6.327
1.49	17.88	9.893	4440	6.394
1.50	18.00	9.997	4487	6.461

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
1.51	18.12	10.10	4533	6.529
1.52	18.24	10.21	4580	6.596
1.53	18.36	10.31	4628	6.664
1.54	18.48	10.42	4675	6.732
1.55	18.60	10.52	4722	6.800
1.56	18.72	10.63	4770	6.869
1.57	18.84	10.73	4818	6.938
1.58	18.96	10.84	4866	7.007
1.59	19.08	10.95	4914	7.076
1.60	19.20	11.06	4962	7.146
1.61	19.32	11.16	5010	7.215
1.62	19.44	11.27	5059	7.285
1.63	19.56	11.38	5108	7.356
1.64	19.68	11.49	5157	7.426
1.65	19.80	11.60	5206	7.497
1.66	19.92	11.71	5255	7.568
1.67	20.04	11.82	5305	7.639
1.68	20.16	11.93	5354	7.711
1.69	20.28	12.04	5404	7.782
1.70	20.40	12.15	5454	7.854
1.71	20.52	12.26	5504	7.927
1.72	20.64	12.38	5555	7.999
1.73	20.76	12.49	5605	8.072
1.74	20.88	12.60	5656	8.145
1.75	21.00	12.71	5706	8.218
1.76	21.12	12.83	5757	8.291
1.77	21.24	12.94	5809	8.365
1.78	21.36	13.06	5860	8.439
1.79	21.48	13.17	5911	8.513
1.80	21.60	13.29	5963	8.587
1.81	21.72	13.40	6015	8.661
1.82	21.84	13.52	6067	8.736
1.83	21.96	13.63	6119	8.811
1.84	22.08	13.75	6171	8.886
1.85	22.20	13.87	6223	8.962
1.86	22.32	13.98	6276	9.038
1.87	22.44	14.10	6329	9.113
1.88	22.56	14.22	6381	9.190
1.89	22.68	14.34	6434	9.266
1.90	22.80	14.46	6488	9.343
1.91	22.92	14.57	6541	9.419
1.92	23.04	14.69	6594	9.496
1.93	23.16	14.81	6648	9.574
1.94	23.28	14.93	6702	9.651
1.95	23.40	15.05	6756	9.729
1.96	23.52	15.17	6810	9.807
1.97	23.64	15.29	6864	9.885
1.98	23.76	15.42	6919	9.963
1.99	23.88	15.54	6973	10.04
2.00	24.00	15.66	7028	10.12



770.664.6513 (V) 770.664.6565 (F)

**Discharge Table
For
18" W x 108" L Cutthroat Flume**

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
2.01	24.12	15.78	7083	10.20
2.02	24.24	15.90	7138	10.28
2.03	24.36	16.03	7193	10.36
2.04	24.48	16.15	7249	10.44
2.05	24.60	16.27	7304	10.52
2.06	24.72	16.40	7360	10.60
2.07	24.84	16.52	7416	10.68
2.08	24.96	16.65	7472	10.76
2.09	25.08	16.77	7528	10.84
2.10	25.20	16.90	7584	10.92
2.11	25.32	17.02	7640	11.00
2.12	25.44	17.15	7697	11.08
2.13	25.56	17.28	7754	11.17
2.14	25.68	17.40	7810	11.25
2.15	25.80	17.53	7867	11.33
2.16	25.92	17.66	7925	11.41
2.17	26.04	17.78	7982	11.49
2.18	26.16	17.91	8039	11.58
2.19	26.28	18.04	8097	11.66
2.20	26.40	18.17	8155	11.74
2.21	26.52	18.30	8213	11.83
2.22	26.64	18.43	8271	11.91
2.23	26.76	18.56	8329	11.99
2.24	26.88	18.69	8387	12.08
2.25	27.00	18.82	8446	12.16
2.26	27.12	18.95	8504	12.25
2.27	27.24	19.08	8563	12.33
2.28	27.36	19.21	8622	12.42
2.29	27.48	19.34	8681	12.50
2.30	27.60	19.47	8740	12.59
2.31	27.72	19.61	8800	12.67
2.32	27.84	19.74	8859	12.76
2.33	27.96	19.87	8919	12.84
2.34	28.08	20.01	8979	12.93
2.35	28.20	20.14	9038	13.02
2.36	28.32	20.27	9099	13.10
2.37	28.44	20.41	9159	13.19
2.38	28.56	20.54	9219	13.28
2.39	28.68	20.68	9280	13.36
2.40	28.80	20.81	9340	13.45
2.41	28.92	20.95	9401	13.54
2.42	29.04	21.08	9462	13.63
2.43	29.16	21.22	9523	13.71
2.44	29.28	21.36	9584	13.80
2.45	29.40	21.49	9646	13.89
2.46	29.52	21.63	9707	13.98
2.47	29.64	21.77	9769	14.07
2.48	29.76	21.90	9830	14.16
2.49	29.88	22.04	9892	14.25
2.50	30.00	22.18	9954	14.33

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
2.51	30.12	22.32	10017	14.42
2.52	30.24	22.46	10079	14.51
2.53	30.36	22.60	10141	14.60
2.54	30.48	22.74	10204	14.69
2.55	30.60	22.88	10267	14.78
2.56	30.72	23.02	10330	14.88
2.57	30.84	23.16	10393	14.97
2.58	30.96	23.30	10456	15.06
2.59	31.08	23.44	10519	15.15