



## Discharge Table For 4.5' H Flume

770.664.6513 (V) 770.664.6565 (F)

Document: H45-D-T Rev.: 0 Date: May 2, 2000 By: Jon Wachter

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
0.01	0.12			
0.02	0.24	0.0031	1.39	0.002
0.03	0.36	0.0066	2.96	0.004
0.04	0.48	0.0106	4.76	0.007
0.05	0.60	0.0154	6.91	0.010
0.06	0.72	0.0208	9.34	0.013
0.07	0.84	0.0269	12.07	0.017
0.08	0.96	0.0337	15.12	0.022
0.09	1.08	0.0413	18.54	0.027
0.10	1.20	0.0496	22.26	0.032
0.11	1.32	0.0578	25.9	0.037
0.12	1.44	0.0666	29.9	0.043
0.13	1.56	0.0758	34.0	0.049
0.14	1.68	0.0855	38.4	0.055
0.15	1.80	0.0959	43.0	0.062
0.16	1.92	0.1067	47.9	0.069
0.17	2.04	0.118	53.0	0.076
0.18	2.16	0.130	58.3	0.084
0.19	2.28	0.142	63.7	0.092
0.20	2.40	0.155	69.6	0.100
0.21	2.52	0.168	75.4	0.109
0.22	2.64	0.182	81.7	0.118
0.23	2.76	0.196	88.0	0.127
0.24	2.88	0.211	94.7	0.136
0.25	3.00	0.226	101.4	0.146
0.26	3.12	0.242	108.6	0.156
0.27	3.24	0.259	116.2	0.167
0.28	3.36	0.276	123.9	0.178
0.29	3.48	0.293	131.5	0.189
0.30	3.60	0.311	139.6	0.201
0.31	3.72	0.330	148.1	0.213
0.32	3.84	0.349	156.6	0.226
0.33	3.96	0.368	165.2	0.238
0.34	4.08	0.388	174.1	0.251
0.35	4.20	0.409	183.6	0.264
0.36	4.32	0.430	193.0	0.278
0.37	4.44	0.452	202.9	0.292
0.38	4.56	0.474	212.7	0.306
0.39	4.68	0.497	223.1	0.321
0.40	4.80	0.520	233.4	0.336
0.41	4.92	0.544	244.1	0.352
0.42	5.04	0.569	255.4	0.368
0.43	5.16	0.594	266.6	0.384
0.44	5.28	0.620	278.3	0.401
0.45	5.40	0.646	289.9	0.418
0.46	5.52	0.673	302.0	0.435
0.47	5.64	0.700	314.2	0.452
0.48	5.76	0.728	326.7	0.471
0.49	5.88	0.756	339.3	0.489
0.50	6.00	0.785	352.3	0.507

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
0.51	6.12	0.815	365.8	0.527
0.52	6.24	0.845	379.2	0.546
0.53	6.36	0.876	393.1	0.566
0.54	6.48	0.907	407.1	0.586
0.55	6.60	0.939	421.4	0.607
0.56	6.72	0.972	436.2	0.628
0.57	6.84	1.005	451.0	0.650
0.58	6.96	1.039	466.3	0.672
0.59	7.08	1.073	481.6	0.693
0.60	7.20	1.11	498.2	0.717
0.61	7.32	1.14	511.6	0.737
0.62	7.44	1.18	529.6	0.763
0.63	7.56	1.12	503.6	0.725
0.64	7.68	1.25	561.0	0.808
0.65	7.80	1.29	579.0	0.834
0.66	7.92	1.33	596.9	0.860
0.67	8.04	1.38	619.3	0.892
0.68	8.16	1.41	632.8	0.911
0.69	8.28	1.45	650.8	0.937
0.70	8.40	1.49	668.7	0.963
0.71	8.52	1.53	686.7	0.989
0.72	8.64	1.58	709.1	1.021
0.73	8.76	1.62	727.1	1.047
0.74	8.88	1.66	745.0	1.073
0.75	9.00	1.71	767.4	1.105
0.76	9.12	1.75	785.4	1.131
0.77	9.24	1.80	807.8	1.163
0.78	9.36	1.84	825.8	1.189
0.79	9.48	1.89	848.2	1.222
0.80	9.60	1.94	870.7	1.254
0.81	9.72	1.99	893.1	1.286
0.82	9.84	2.04	915.6	1.318
0.83	9.96	2.09	938.0	1.351
0.84	10.08	2.14	960.4	1.383
0.85	10.20	2.19	982.9	1.415
0.86	10.32	2.24	1005.3	1.448
0.87	10.44	2.29	1027.8	1.480
0.88	10.56	2.35	1054.7	1.519
0.89	10.68	2.40	1077.1	1.551
0.90	10.80	2.45	1099.6	1.583
0.91	10.92	2.51	1126.5	1.622
0.92	11.04	2.56	1148.9	1.655
0.93	11.16	2.62	1175.9	1.693
0.94	11.28	2.68	1202.8	1.732
0.95	11.40	2.74	1229.7	1.771
0.96	11.52	2.79	1252.2	1.803
0.97	11.64	2.85	1279.1	1.842
0.98	11.76	2.91	1306.0	1.881
0.99	11.88	2.98	1337.4	1.926
1.00	12.00	3.04	1364.4	1.965



## Discharge Table For 4.5' H Flume

770.664.6513 (V) 770.664.6565 (F)

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
1.01	12.12	3.10	1391.3	2.004
1.02	12.24	3.16	1418.2	2.042
1.03	12.36	3.22	1445.1	2.081
1.04	12.48	3.29	1476.6	2.126
1.05	12.60	3.35	1503.5	2.165
1.06	12.72	3.42	1534.9	2.210
1.07	12.84	3.49	1566.3	2.256
1.08	12.96	3.55	1593.2	2.294
1.09	13.08	3.62	1624.7	2.340
1.10	13.20	3.69	1656.1	2.385
1.11	13.32	3.76	1687.5	2.430
1.12	13.44	3.93	1763.8	2.540
1.13	13.56	3.90	1750.3	2.521
1.14	13.68	3.97	1781.7	2.566
1.15	13.80	4.04	1813.2	2.611
1.16	13.92	4.12	1849.1	2.663
1.17	14.04	4.19	1880.5	2.708
1.18	14.16	4.27	1916.4	2.760
1.19	14.28	4.34	1947.8	2.805
1.20	14.40	4.42	1983.7	2.857
1.21	14.52	4.50	2019.6	2.908
1.22	14.64	4.58	2055.5	2.960
1.23	14.76	4.65	2086.9	3.005
1.24	14.88	4.73	2122.8	3.057
1.25	15.00	4.81	2158.7	3.109
1.26	15.12	4.89	2194.6	3.160
1.27	15.24	4.98	2235.0	3.219
1.28	15.36	5.06	2270.9	3.270
1.29	15.48	5.14	2306.8	3.322
1.30	15.60	5.22	2342.7	3.374
1.31	15.72	5.31	2383.1	3.432
1.32	15.84	5.39	2419.0	3.484
1.33	15.96	5.48	2459.4	3.542
1.34	16.08	5.57	2499.8	3.600
1.35	16.20	5.66	2540.2	3.658
1.36	16.32	5.74	2576.1	3.710
1.37	16.44	5.83	2616.5	3.768
1.38	16.56	5.92	2656.9	3.826
1.39	16.68	6.02	2701.8	3.891
1.40	16.80	6.11	2742.2	3.949
1.41	16.92	6.20	2782.6	4.007
1.42	17.04	6.29	2823.0	4.065
1.43	17.16	6.39	2867.8	4.130
1.44	17.28	6.48	2908.2	4.188
1.45	17.40	6.58	2953.1	4.253
1.46	17.52	6.68	2998.0	4.317
1.47	17.64	6.77	3038.4	4.375
1.48	17.76	6.87	3083.3	4.440
1.49	17.88	6.97	3128.1	4.505
1.50	18.00	7.07	3173.0	4.569

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
1.51	18.12	7.17	3217.9	4.634
1.52	18.24	7.27	3262.8	4.699
1.53	18.36	7.37	3307.7	4.763
1.54	18.48	7.78	3491.7	5.028
1.55	18.60	7.59	3406.4	4.905
1.56	18.72	7.69	3451.3	4.970
1.57	18.84	7.80	3500.6	5.041
1.58	18.96	7.90	3545.5	5.106
1.59	19.08	8.01	3594.9	5.177
1.60	19.20	8.12	3644.3	5.248
1.61	19.32	8.23	3693.6	5.319
1.62	19.44	8.34	3743.0	5.390
1.63	19.56	8.45	3792.4	5.461
1.64	19.68	8.56	3841.7	5.532
1.65	19.80	8.68	3895.6	5.610
1.66	19.92	8.79	3945.0	5.681
1.67	20.04	8.90	3994.3	5.752
1.68	20.16	9.02	4048.2	5.830
1.69	20.28	9.14	4102.0	5.907
1.70	20.40	9.25	4151.4	5.978
1.71	20.52	9.37	4205.3	6.056
1.72	20.64	9.49	4259.1	6.133
1.73	20.76	9.61	4313.0	6.211
1.74	20.88	9.73	4366.8	6.288
1.75	21.00	9.85	4420.7	6.366
1.76	21.12	9.98	4479.0	6.450
1.77	21.24	10.1	4532.9	6.528
1.78	21.36	10.2	4586.7	6.605
1.79	21.48	10.4	4645.1	6.689
1.80	21.60	10.5	4712.4	6.786
1.81	21.72	10.6	4757.3	6.851
1.82	21.84	10.7	4802.2	6.915
1.83	21.96	10.8	4847.0	6.980
1.84	22.08	11.0	4936.8	7.109
1.85	22.20	11.1	4981.7	7.174
1.86	22.32	11.2	5026.6	7.239
1.87	22.44	11.4	5116.3	7.368
1.88	22.56	11.5	5161.2	7.432
1.89	22.68	11.6	5206.1	7.497
1.90	22.80	11.8	5295.8	7.626
1.91	22.92	11.9	5340.7	7.691
1.92	23.04	12.0	5385.6	7.756
1.93	23.16	12.2	5475.4	7.885
1.94	23.28	12.3	5520.2	7.949
1.95	23.40	12.5	5610.0	8.079
1.96	23.52	12.6	5654.9	8.143
1.97	23.64	12.8	5744.6	8.273
1.98	23.76	12.9	5789.5	8.337
1.99	23.88	13.0	5834.4	8.402
2.00	24.00	13.2	5924.2	8.531



## Discharge Table For 4.5' H Flume

770.664.6513 (V) 770.664.6565 (F)

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
2.01	24.12	13.3	5969.04	8.596
2.02	24.24	13.5	6058.80	8.725
2.03	24.36	13.6	6103.68	8.790
2.04	24.48	13.7	6148.56	8.854
2.05	24.60	13.9	6238.32	8.984
2.06	24.72	14.1	6328.08	9.113
2.07	24.84	14.2	6372.96	9.177
2.08	24.96	14.4	6462.72	9.307
2.09	25.08	14.5	6507.60	9.371
2.10	25.20	14.7	6597.36	9.501
2.11	25.32	14.8	6642.2	9.565
2.12	25.44	15.0	6732.0	9.695
2.13	25.56	15.2	6821.8	9.824
2.14	25.68	15.3	6866.6	9.888
2.15	25.80	15.5	6956.4	10.018
2.16	25.92	15.6	7001.3	10.082
2.17	26.04	15.8	7091.0	10.212
2.18	26.16	15.9	7135.9	10.276
2.19	26.28	16.1	7225.7	10.405
2.20	26.40	16.3	7315.4	10.535
2.21	26.52	16.4	7360.3	10.599
2.22	26.64	16.6	7450.1	10.729
2.23	26.76	16.8	7539.8	10.858
2.24	26.88	16.9	7584.7	10.922
2.25	27.00	17.1	7674.5	11.052
2.26	27.12	17.3	7764.2	11.181
2.27	27.24	17.4	7809.1	11.246
2.28	27.36	17.6	7898.9	11.375
2.29	27.48	17.8	7988.6	11.504
2.30	27.60	18.0	8078.4	11.633
2.31	27.72	18.1	8123.3	11.698
2.32	27.84	18.3	8213.0	11.827
2.33	27.96	18.5	8302.8	11.957
2.34	28.08	18.7	8392.6	12.086
2.35	28.20	18.8	8437.4	12.150
2.36	28.32	19.0	8527.2	12.280
2.37	28.44	19.2	8617.0	12.409
2.38	28.56	19.4	8706.7	12.538
2.39	28.68	19.6	8796.5	12.667
2.40	28.80	19.7	8841.4	12.732
2.41	28.92	19.9	8931.1	12.861
2.42	29.04	20.1	9020.9	12.991
2.43	29.16	20.3	9110.6	13.120
2.44	29.28	20.5	9200.4	13.249
2.45	29.40	20.7	9290.2	13.378
2.46	29.52	20.9	9379.9	13.508
2.47	29.64	21.0	9424.8	13.572
2.48	29.76	21.2	9514.6	13.702
2.49	29.88	21.4	9604.3	13.831
2.50	30.00	21.6	9694.1	13.960

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
2.51	30.12	21.8	9783.8	14.089
2.52	30.24	22.0	9873.6	14.219
2.53	30.36	22.2	9963.4	14.348
2.54	30.48	22.4	10053.1	14.477
2.55	30.60	22.6	10142.9	14.606
2.56	30.72	22.8	10232.6	14.736
2.57	30.84	23.0	10322.4	14.865
2.58	30.96	23.2	10412.2	14.994
2.59	31.08	23.4	10501.9	15.123
2.60	31.20	23.6	10591.7	15.253
2.61	31.32	23.8	10681.4	15.382
2.62	31.44	24.0	10771.2	15.511
2.63	31.56	24.2	10861.0	15.640
2.64	31.68	24.4	10950.7	15.770
2.65	31.80	24.6	11040.5	15.899
2.66	31.92	24.9	11175.1	16.093
2.67	32.04	25.1	11264.9	16.222
2.68	32.16	25.3	11354.6	16.351
2.69	32.28	25.5	11444.4	16.481
2.70	32.40	25.7	11534.2	16.610
2.71	32.52	25.9	11623.9	16.739
2.72	32.64	26.1	11713.7	16.868
2.73	32.76	26.4	11848.3	17.062
2.74	32.88	26.6	11938.1	17.192
2.75	33.00	26.8	12027.8	17.321
2.76	33.12	27.0	12117.6	17.450
2.77	33.24	27.2	12207.4	17.579
2.78	33.36	27.4	12297.1	17.709
2.79	33.48	27.7	12431.8	17.903
2.80	33.60	27.9	12521.5	18.032
2.81	33.72	28.1	12611.3	18.161
2.82	33.84	28.4	12745.9	18.355
2.83	33.96	28.6	12835.7	18.484
2.84	34.08	28.8	12925.4	18.613
2.85	34.20	29.0	13015.2	18.743
2.86	34.32	29.3	13149.8	18.937
2.87	34.44	29.5	13239.6	19.066
2.88	34.56	29.7	13329.4	19.195
2.89	34.68	30.0	13464.0	19.389
2.90	34.80	30.2	13553.8	19.518
2.91	34.92	30.4	13643.5	19.648
2.92	35.04	30.7	13778.2	19.841
2.93	35.16	30.9	13867.9	19.971
2.94	35.28	31.2	14002.6	20.165
2.95	35.40	31.4	14092.3	20.294
2.96	35.52	31.7	14227.0	20.488
2.97	35.64	31.9	14316.7	20.617
2.98	35.76	32.2	14451.4	20.811
2.99	35.88	32.4	14541.1	20.940
3.00	36.00	32.7	14675.8	21.134



## Discharge Table For 4.5' H Flume

770.664.6513 (V) 770.664.6565 (F)

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
3.01	36.12	32.9	14765.52	21.263
3.02	36.24	33.2	14900.16	21.457
3.03	36.36	33.4	14989.92	21.586
3.04	36.48	33.7	15124.56	21.780
3.05	36.60	33.9	15214.32	21.910
3.06	36.72	34.2	15348.96	22.103
3.07	36.84	34.4	15438.72	22.233
3.08	36.96	34.7	15573.36	22.427
3.09	37.08	35.0	15708.00	22.621
3.10	37.20	35.2	15797.76	22.750
3.11	37.32	35.5	15932.4	22.944
3.12	37.44	35.8	16067.0	23.138
3.13	37.56	36.0	16156.8	23.267
3.14	37.68	36.3	16291.4	23.461
3.15	37.80	36.6	16426.1	23.655
3.16	37.92	36.8	16515.8	23.784
3.17	38.04	37.1	16650.5	23.978
3.18	38.16	37.4	16785.1	24.172
3.19	38.28	37.7	16919.8	24.366
3.20	38.40	37.9	17009.5	24.495
3.21	38.52	38.2	17144.2	24.689
3.22	38.64	38.5	17278.8	24.883
3.23	38.76	38.8	17413.4	25.076
3.24	38.88	39.0	17503.2	25.206
3.25	39.00	39.3	17637.8	25.400
3.26	39.12	39.6	17772.5	25.593
3.27	39.24	39.9	17907.1	25.787
3.28	39.36	40.2	18041.8	25.981
3.29	39.48	40.5	18176.4	26.175
3.30	39.60	40.8	18311.0	26.369
3.31	39.72	41.2	18490.6	26.628
3.32	39.84	41.3	18535.4	26.692
3.33	39.96	41.6	18670.1	26.886
3.34	40.08	41.9	18804.7	27.080
3.35	40.20	42.2	18939.4	27.274
3.36	40.32	42.5	19074.0	27.468
3.37	40.44	42.8	19208.6	27.662
3.38	40.56	43.1	19343.3	27.856
3.39	40.68	43.4	19477.9	28.049
3.40	40.80	43.7	19612.6	28.243
3.41	40.92	44.0	19747.2	28.437
3.42	41.04	44.3	19881.8	28.631
3.43	41.16	44.6	20016.5	28.825
3.44	41.28	44.9	20151.1	29.019
3.45	41.40	45.2	20285.8	29.213
3.46	41.52	45.5	20420.4	29.407
3.47	41.64	45.8	20555.0	29.601
3.48	41.76	46.1	20689.7	29.794
3.49	41.88	46.4	20824.3	29.988
3.50	42.00	46.8	21003.8	30.247

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
3.51	42.12	47.1	21138.5	30.441
3.52	42.24	47.4	21273.1	30.635
3.53	42.36	47.7	21407.8	30.829
3.54	42.48	48.0	21542.4	31.022
3.55	42.60	48.3	21677.0	31.216
3.56	42.72	48.6	21811.7	31.410
3.57	42.84	49.0	21991.2	31.669
3.58	42.96	49.3	22125.8	31.863
3.59	43.08	49.6	22260.5	32.056
3.60	43.20	49.9	22395.1	32.250
3.61	43.32	50.3	22574.6	32.509
3.62	43.44	50.6	22709.3	32.703
3.63	43.56	50.9	22843.9	32.897
3.64	43.68	51.2	22978.6	33.091
3.65	43.80	51.6	23158.1	33.349
3.66	43.92	51.9	23292.7	33.543
3.67	44.04	52.2	23427.4	33.737
3.68	44.16	52.6	23606.9	33.995
3.69	44.28	52.9	23741.5	34.189
3.70	44.40	53.2	23876.2	34.383
3.71	44.52	53.6	24055.7	34.642
3.72	44.64	53.9	24190.3	34.836
3.73	44.76	54.3	24369.8	35.094
3.74	44.88	54.6	24504.5	35.288
3.75	45.00	54.9	24639.1	35.482
3.76	45.12	55.3	24818.6	35.740
3.77	45.24	55.6	24953.3	35.934
3.78	45.36	56.0	25132.8	36.193
3.79	45.48	56.3	25267.4	36.387
3.80	45.60	56.7	25447.0	36.645
3.81	45.72	57.0	25581.6	36.839
3.82	45.84	57.4	25761.1	37.098
3.83	45.96	57.7	25895.8	37.292
3.84	46.08	58.1	26075.3	37.550
3.85	46.20	58.4	26209.9	37.744
3.86	46.32	58.8	26389.4	38.002
3.87	46.44	59.2	26569.0	38.261
3.88	46.56	59.5	26703.6	38.455
3.89	46.68	59.9	26883.1	38.713
3.90	46.80	60.2	27017.8	38.907
3.91	46.92	60.6	27197.3	39.166
3.92	47.04	61.0	27376.8	39.424
3.93	47.16	61.3	27511.4	39.618
3.94	47.28	61.7	27691.0	39.877
3.95	47.40	62.1	27870.5	40.135
3.96	47.52	62.4	28005.1	40.329
3.97	47.64	62.8	28184.6	40.588
3.98	47.76	63.2	28364.2	40.846
3.99	47.88	63.6	28543.7	41.105
4.00	48.00	63.9	28678.3	41.299



770.664.6513 (V) 770.664.6565 (F)

## Discharge Table For 4.5' H Flume

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
4.01	48.12	64.3	28857.84	41.557
4.02	48.24	64.7	29037.36	41.816
4.03	48.36	65.1	29216.88	42.074
4.04	48.48	65.4	29351.52	42.268
4.05	48.60	65.8	29531.04	42.527
4.06	48.72	66.2	29710.56	42.785
4.07	48.84	66.6	29890.08	43.044
4.08	48.96	67.0	30069.60	43.302
4.09	49.08	67.4	30249.12	43.561
4.10	49.20	67.8	30428.64	43.819
4.11	49.32	68.2	30608.2	44.078
4.12	49.44	68.5	30742.8	44.272
4.13	49.56	68.9	30922.3	44.530
4.14	49.68	69.3	31101.8	44.789
4.15	49.80	69.7	31281.4	45.047
4.16	49.92	70.1	31460.9	45.306
4.17	50.04	70.5	31640.4	45.564
4.18	50.16	70.9	31819.9	45.823
4.19	50.28	71.3	31999.4	46.081
4.20	50.40	71.7	32179.0	46.340
4.21	50.52	72.1	32358.5	46.598
4.22	50.64	72.5	32538.0	46.857
4.23	50.76	72.9	32717.5	47.115
4.24	50.88	73.3	32897.0	47.374
4.25	51.00	73.8	33121.4	47.697
4.26	51.12	74.2	33301.0	47.955
4.27	51.24	74.6	33480.5	48.214
4.28	51.36	75.0	33660.0	48.473
4.29	51.48	75.4	33839.5	48.731
4.30	51.60	75.8	34019.0	48.990
4.31	51.72	76.2	34198.6	49.248
4.32	51.84	76.6	34378.1	49.507
4.33	51.96	77.1	34602.5	49.830
4.34	52.08	77.5	34782.0	50.088
4.35	52.20	77.9	34961.5	50.347
4.36	52.32	78.3	35141.0	50.605
4.37	52.44	78.8	35365.4	50.928
4.38	52.56	79.2	35545.0	51.187
4.39	52.68	79.6	35724.5	51.445
4.40	52.80	80.0	35904.0	51.704
4.41	52.92	80.5	36128.4	52.027
4.42	53.04	80.9	36307.9	52.286
4.43	53.16	81.3	36487.4	52.544
4.44	53.28	81.8	36711.8	52.867
4.45	53.40	82.2	36891.4	53.126
4.46	53.52	82.6	37070.9	53.384
4.47	53.64	83.1	37295.3	53.708
4.48	53.76	83.5	37474.8	53.966
4.49	53.88	84.0	37699.2	54.289