



3.0 FEET SIZE HL FLUMES

MIN/MAX FLOW TABLE

Head (feet)	MGD	CFS	GPM
0.01			
0.02			
0.03			
0.04	0.01050	0.01627	7.2889
0.05	0.01481	0.02295	10.284
0.06	0.01969	0.03053	13.676
0.07	0.02513	0.03895	17.452
0.08	0.03111	0.04822	21.601
0.09	0.03761	0.05830	26.118
0.10	0.04464	0.06919	30.999
0.11	0.05219	0.08090	36.241
0.12	0.06026	0.09340	41.843
0.13	0.06884	0.10671	47.804
0.14	0.07794	0.12081	54.124
0.15	0.08756	0.13572	60.804
0.16	0.09770	0.15144	67.844
0.17	0.10836	0.16796	75.246
0.18	0.11955	0.18530	83.012

Head (feet)	MGD	CFS	GPM
0.41	0.52899	0.8199	367.33
0.42	0.55380	0.8584	384.56
0.43	0.57922	0.8978	402.21
0.44	0.6053	0.9381	420.29
0.45	0.6319	0.9795	438.81
0.46	0.6592	1.0218	457.76
0.47	0.6871	1.0651	477.15
0.48	0.7157	1.1093	496.98
0.49	0.7449	1.1546	517.26
0.50	0.7748	1.2009	537.99
0.51	0.8052	1.2481	559.17
0.52	0.8364	1.2964	580.79
0.53	0.8682	1.3457	602.88
0.54	0.9007	1.3960	625.42
0.55	0.9338	1.4474	648.43
0.56	0.9676	1.4998	671.9
0.57	1.0021	1.5532	695.8
0.58	1.0372	1.6077	720.2



0.19	0.13125	0.20345	91.143
0.20	0.14349	0.22242	99.642
0.21	0.15626	0.24221	108.51
0.22	0.16957	0.26283	117.75
0.23	0.18341	0.28429	127.36
0.24	0.19780	0.30659	137.35
0.25	0.21273	0.32974	147.72
0.26	0.22821	0.35373	158.47
0.27	0.24425	0.37859	169.61
0.28	0.26084	0.40430	181.13
0.29	0.27799	0.43089	193.04
0.30	0.29571	0.45835	205.34
0.31	0.31399	0.48669	218.04
0.32	0.33285	0.51592	231.13
0.33	0.35229	0.54604	244.63
0.34	0.37230	0.57707	258.53
0.35	0.39290	0.60899	272.83
0.36	0.41409	0.64183	287.54
0.37	0.43587	0.67559	302.67
0.38	0.45824	0.71028	318.20
0.39	0.48122	0.74589	334.16
0.40	0.50480	0.78244	350.53

0.59	1.0730	1.6632	745.1
0.60	1.1095	1.7198	770.5
0.61	1.1467	1.7774	796.3
0.62	1.1846	1.8361	822.6
0.63	1.2232	1.8959	849.4
0.64	1.2624	1.9568	876.6
0.65	1.3024	2.0188	904.4
0.66	1.3431	2.0818	932.7
0.67	1.3845	2.1460	961.4
0.68	1.4266	2.2112	990.6
0.69	1.4694	2.2776	1,020.4
0.70	1.5130	2.3451	1,050.6
0.71	1.5572	2.4137	1,081.3
0.72	1.6022	2.4834	1,112.6
0.73	1.6479	2.5543	1,144.3
0.74	1.6944	2.6263	1,176.6
0.75	1.7416	2.6995	1,209.4
0.76	1.7895	2.7738	1,242.6
0.77	1.8382	2.8492	1,276.4
0.78	1.8876	2.9258	1,310.8
0.79	1.9378	3.0036	1,345.6
0.80	1.9887	3.0826	1,381.0

0.81	2.0404	3.16269	1,416.9
0.82	2.0929	3.24400	1,453.3
0.83	2.1461	3.32650	1,490.3

1.21	4.7691	7.3922	3,311.7
1.22	4.8548	7.5249	3,371.2
1.23	4.9414	7.6591	3,431.3



0.84	2.2001	3.41019	1,527.8
0.85	2.2549	3.49508	1,565.8
0.86	2.3104	3.5812	1,604.4
0.87	2.3668	3.6685	1,643.5
0.88	2.4239	3.7570	1,683.1
0.89	2.4818	3.8467	1,723.3
0.90	2.5404	3.9377	1,764.1
0.91	2.5999	4.0299	1,805.4
0.92	2.6602	4.1233	1,847.2
0.93	2.7213	4.2179	1,889.6
0.94	2.7831	4.3139	1,932.6
0.95	2.8458	4.4110	1,976.1
0.96	2.9093	4.5094	2,020.2
0.97	2.9736	4.6091	2,064.9
0.98	3.0387	4.7100	2,110.1
0.99	3.1047	4.8122	2,155.9
1.00	3.1714	4.9157	2,202.2
1.01	3.2390	5.0205	2,249.2
1.02	3.3074	5.1265	2,296.7
1.03	3.3767	5.2339	2,344.8
1.04	3.4468	5.3425	2,393.4
1.05	3.5177	5.4524	2,442.7
1.06	3.5895	5.5637	2,492.5
1.07	3.6621	5.6762	2,543.0
1.08	3.7355	5.7901	2,594.0
1.09	3.8099	5.9053	2,645.6

1.24	5.0288	7.7947	3,492.0
1.25	5.1172	7.9316	3,553.4
1.26	5.2064	8.0700	3,615.3
1.27	5.2966	8.2097	3,678.0
1.28	5.3877	8.3509	3,741.2
1.29	5.4796	8.4934	3,805.1
1.30	5.5725	8.6374	3,869.6
1.31	5.6664	8.783	3,934.7
1.32	5.7611	8.930	4,000.5
1.33	5.8568	9.078	4,066.9
1.34	5.9533	9.228	4,134.0
1.35	6.0509	9.379	4,201.7
1.36	6.1493	9.531	4,270.1
1.37	6.2487	9.685	4,339.1
1.38	6.3490	9.841	4,408.8
1.39	6.4503	9.998	4,479.1
1.40	6.5525	10.156	4,550.1
1.41	6.6556	10.316	4,621.7
1.42	6.7598	10.478	4,694.0
1.43	6.8648	10.640	4,766.9
1.44	6.9708	10.805	4,840.5
1.45	7.0778	10.971	4,914.8
1.46	7.1857	11.138	4,989.8
1.47	7.2946	11.307	5,065.4
1.48	7.4045	11.477	5,141.7
1.49	7.5153	11.649	5,218.6



1.10	3.8850	6.0218	2,697.8
1.11	3.9610	6.1396	2,750.6
1.12	4.0379	6.2588	2,803.9
1.13	4.1157	6.3793	2,857.9
1.14	4.1943	6.5012	2,912.5
1.15	4.2738	6.6244	2,967.7
1.16	4.3541	6.7489	3,023.5
1.17	4.4354	6.8748	3,079.9
1.18	4.5175	7.0021	3,136.9
1.19	4.6005	7.1308	3,194.6
1.20	4.6844	7.2608	3,252.8

1.50	7.6271	11.822	5,296.3
1.51	7.7399	11.997	5,374.6
1.52	7.8536	12.173	5,453.6
1.53	7.9684	12.351	5,533.2
1.54	8.0841	12.530	5,613.6
1.55	8.2008	12.711	5,694.6
1.56	8.3185	12.894	5,776.3
1.57	8.4371	13.078	5,858.8
1.58	8.5568	13.263	5,941.9
1.59	8.6775	13.450	6,025.6
1.60	8.7992	13.639	6,110.1

1.61	8.9218	13.829	6,195.3
1.62	9.0455	14.021	6,281.2
1.63	9.1702	14.214	6,367.8
1.64	9.2959	14.409	6,455.1
1.65	9.4226	14.605	6,543.0
1.66	9.5503	14.803	6,631.7
1.67	9.6790	15.003	6,721.1
1.68	9.8088	15.204	6,811.2
1.69	9.9396	15.406	6,902.0
1.70	10.071	15.611	6,993.6
1.71	10.204	15.817	7,085.8
1.72	10.338	16.024	7,178.8
1.73	10.473	16.233	7,272.4
1.74	10.609	16.444	7,366.8

2.01	14.680	22.754	10,194
2.02	14.846	23.011	10,309
2.03	15.013	23.270	10,425
2.04	15.181	23.531	10,542
2.05	15.351	23.794	10,660
2.06	15.521	24.058	10,778
2.07	15.693	24.324	10,897
2.08	15.865	24.591	11,017
2.09	16.039	24.861	11,138
2.10	16.214	25.132	11,259
2.11	16.390	25.405	11,381
2.12	16.567	25.679	11,504
2.13	16.746	25.956	11,628
2.14	16.925	26.234	11,753



1.75	10.746	16.656	7,462.0
1.76	10.884	16.870	7,557.8
1.77	11.023	17.086	7,654.4
1.78	11.163	17.303	7,751.6
1.79	11.304	17.522	7,849.7
1.80	11.446	17.742	7,948.4
1.81	11.590	17.964	8,047.9
1.82	11.734	18.188	8,148.1
1.83	11.879	18.413	8,249.0
1.84	12.026	18.640	8,350.7
1.85	12.173	18.869	8,453.2
1.86	12.322	19.099	8,556.3
1.87	12.472	19.331	8,660.2
1.88	12.622	19.564	8,764.9
1.89	12.774	19.800	8,870.3
1.90	12.927	20.037	8,976.4
1.91	13.081	20.275	9,083.3
1.92	13.236	20.516	9,191.0
1.93	13.392	20.758	9,299.4
1.94	13.549	21.001	9,408.5
1.95	13.707	21.246	9,518.4
1.96	13.867	21.494	9,629.1
1.97	14.027	21.742	9,740.5
1.98	14.189	21.993	9,852.7
1.99	14.351	22.245	9,965.7
2.00	14.515	22.499	10,079

2.15	17.106	26.514	11,878
2.16	17.287	26.795	12,004
2.17	17.470	27.079	12,131
2.18	17.654	27.364	12,259
2.19	17.839	27.651	12,388
2.20	18.026	27.940	12,517
2.21	18.213	28.230	12,647
2.22	18.402	28.523	12,778
2.23	18.591	28.817	12,910
2.24	18.782	29.113	13,042
2.25	18.974	29.410	13,176
2.26	19.168	29.710	13,310
2.27	19.362	30.011	13,445
2.28	19.558	30.314	13,581
2.29	19.754	30.619	13,717
2.30	19.952	30.926	13,855
2.31	20.151	31.235	13,993
2.32	20.352	31.545	14,132
2.33	20.553	31.857	14,272
2.34	20.756	32.171	14,413
2.35	20.960	32.487	14,554
2.36	21.165	32.805	14,697
2.37	21.371	33.125	14,840
2.38	21.578	33.446	14,984
2.39	21.787	33.769	15,129
2.40	21.996	34.095	15,274



2.41	22.207	34.422	15,421
2.42	22.420	34.750	15,568
2.43	22.633	35.081	15,716
2.44	22.848	35.414	15,865
2.45	23.063	35.748	16,015
2.46	23.280	36.085	16,166
2.47	23.499	36.423	16,317
2.48	23.718	36.763	16,470
2.49	23.939	37.105	16,623
2.50	24.160	37.449	16,777
2.51	24.384	37.794	16,932
2.52	24.608	38.142	17,088
2.53	24.833	38.492	17,244
2.54	25.060	38.843	17,402
2.55	25.288	39.196	17,560
2.56	25.517	39.552	17,719
2.57	25.748	39.909	17,879
2.58	25.979	40.268	18,040
2.59	26.212	40.629	18,202
2.60	26.446	40.992	18,364

2.61	26.682	41.357	18,528
2.62	26.918	41.724	18,692
2.63	27.156	42.092	18,857
2.64	27.395	42.463	19,023
2.65	27.636	42.835	19,190
2.66	27.877	43.210	19,358
2.67	28.120	43.586	19,527
2.68	28.364	43.965	19,696
2.69	28.610	44.345	19,867
2.70	28.857	44.728	20,038
2.71	29.104	45.112	20,210
2.72	29.354	45.498	20,383
2.73	29.604	45.886	20,557
2.74	29.856	46.277	20,732
2.75	30.109	46.669	20,908