



770.664.6513 (V) 770.664.6565 (F)

Discharge Table For 18" Palmer-Bowlus Flume

Document: PB18-D-T Rev.: 0 Date: 3-20-00 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			
0.21	2.52			
0.22	2.64			
0.23	2.76			
0.24	2.88			
0.25	3.00			
0.26	3.12			
0.27	3.24			
0.28	3.36			
0.29	3.48			
0.30	3.60			
0.31	3.72			
0.32	3.84			
0.33	3.96			
0.34	4.08	0.5333	239.4	0.3447
0.35	4.20	0.5638	253.0	0.3644
0.36	4.32	0.5951	267.1	0.3846
0.37	4.44	0.6271	281.5	0.4053
0.38	4.56	0.6600	296.2	0.4266
0.39	4.68	0.6937	311.3	0.4483
0.40	4.80	0.7282	326.8	0.4706
0.41	4.92	0.7635	342.7	0.4934
0.42	5.04	0.7996	358.8	0.5168
0.43	5.16	0.8365	375.4	0.5406
0.44	5.28	0.8741	392.3	0.5649
0.45	5.40	0.9126	409.6	0.5898
0.46	5.52	0.9518	427.2	0.6152
0.47	5.64	0.9919	445.2	0.6411
0.48	5.76	1.033	463.5	0.6675
0.49	5.88	1.074	482.2	0.6944
0.50	6.00	1.117	501.2	0.7218

Best Results Within 0.23 D
and 0.73 D

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
0.51	6.12	1.160	520.6	0.7497
0.52	6.24	1.204	540.3	0.7781
0.53	6.36	1.249	560.4	0.8070
0.54	6.48	1.294	580.9	0.8365
0.55	6.60	1.341	601.7	0.8664
0.56	6.72	1.388	622.8	0.8969
0.57	6.84	1.436	644.3	0.9278
0.58	6.96	1.484	666.1	0.9592
0.59	7.08	1.534	688.3	0.9912
0.60	7.20	1.584	710.8	1.024
0.61	7.32	1.635	733.7	1.057
0.62	7.44	1.687	756.9	1.090
0.63	7.56	1.739	780.5	1.124
0.64	7.68	1.792	804.4	1.158
0.65	7.80	1.846	828.7	1.193
0.66	7.92	1.901	853.3	1.229
0.67	8.04	1.957	878.2	1.265
0.68	8.16	2.013	903.5	1.301
0.69	8.28	2.070	929.2	1.338
0.70	8.40	2.128	955.1	1.375
0.71	8.52	2.187	981.5	1.413
0.72	8.64	2.246	1008	1.452
0.73	8.76	2.306	1035	1.491
0.74	8.88	2.367	1062	1.530
0.75	9.00	2.429	1090	1.570
0.76	9.12	2.491	1118	1.610
0.77	9.24	2.555	1147	1.651
0.78	9.36	2.619	1175	1.692
0.79	9.48	2.683	1204	1.734
0.80	9.60	2.749	1234	1.777
0.81	9.72	2.815	1263	1.819
0.82	9.84	2.882	1293	1.863
0.83	9.96	2.950	1324	1.906
0.84	10.08	3.018	1355	1.951
0.85	10.20	3.088	1386	1.995
0.86	10.32	3.157	1417	2.041
0.87	10.44	3.228	1449	2.086
0.88	10.56	3.300	1481	2.133
0.89	10.68	3.372	1513	2.179
0.90	10.80	3.445	1546	2.226
0.91	10.92	3.519	1579	2.274
0.92	11.04	3.593	1613	2.322
0.93	11.16	3.668	1646	2.371
0.94	11.28	3.744	1680	2.420
0.95	11.40	3.821	1715	2.470
0.96	11.52	3.898	1750	2.520
0.97	11.64	3.977	1785	2.570
0.98	11.76	4.056	1820	2.621
0.99	11.88	4.135	1856	2.673
1.00	12.00	4.216	1892	2.725



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**Discharge Table
For
18" Palmer-Bowlus Flume**

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
1.01	12.12	4.297	1928	2.777
1.02	12.24	4.379	1965	2.830
1.03	12.36	4.461	2002	2.883
1.04	12.48	4.545	2040	2.937
1.05	12.60	4.629	2077	2.992
1.06	12.72	4.714	2116	3.047
1.07	12.84	4.799	2154	3.102
1.08	12.96	4.886	2193	3.158
1.09	13.08	4.973	2232	3.214
1.10	13.20	5.061	2271	3.271