



## Discharge Table For 27" Palmer-Bowlus Flume

770.664.6513 (V) 770.664.6565 (F)

Document: PB27-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			
0.35	4.20			
0.36	4.32			
0.37	4.44			
0.38	4.56			
0.39	4.68			
0.40	4.80			
0.41	4.92			
0.42	5.04			
0.43	5.16			
0.44	5.28			
0.45	5.40			
0.46	5.52			
0.47	5.64			
0.48	5.76			
0.49	5.88			
0.50	6.00			

Best Results Within 0.23 D  
and 0.73 D

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
0.51	6.12			
0.52	6.24	1.525	684.6	0.9858
0.53	6.36	1.582	710.0	1.022
0.54	6.48	1.640	735.9	1.060
0.55	6.60	1.698	762.3	1.098
0.56	6.72	1.758	789.1	1.136
0.57	6.84	1.819	816.3	1.175
0.58	6.96	1.880	843.9	1.215
0.59	7.08	1.943	872.0	1.256
0.60	7.20	2.007	900.6	1.297
0.61	7.32	2.071	929.6	1.339
0.62	7.44	2.137	959.0	1.381
0.63	7.56	2.203	988.9	1.424
0.64	7.68	2.271	1019	1.468
0.65	7.80	2.339	1050	1.512
0.66	7.92	2.409	1081	1.557
0.67	8.04	2.479	1113	1.602
0.68	8.16	2.551	1145	1.648
0.69	8.28	2.623	1177	1.695
0.70	8.40	2.696	1210	1.743
0.71	8.52	2.771	1243	1.791
0.72	8.64	2.846	1277	1.839
0.73	8.76	2.922	1311	1.889
0.74	8.88	2.999	1346	1.938
0.75	9.00	3.077	1381	1.989
0.76	9.12	3.157	1417	2.040
0.77	9.24	3.237	1453	2.092
0.78	9.36	3.318	1489	2.144
0.79	9.48	3.400	1526	2.197
0.80	9.60	3.483	1563	2.251
0.81	9.72	3.567	1601	2.305
0.82	9.84	3.651	1639	2.360
0.83	9.96	3.737	1677	2.415
0.84	10.08	3.824	1716	2.471
0.85	10.20	3.912	1756	2.528
0.86	10.32	4.000	1795	2.585
0.87	10.44	4.090	1836	2.643
0.88	10.56	4.181	1876	2.702
0.89	10.68	4.272	1917	2.761
0.90	10.80	4.365	1959	2.821
0.91	10.92	4.458	2001	2.881
0.92	11.04	4.552	2043	2.942
0.93	11.16	4.648	2086	3.004
0.94	11.28	4.744	2129	3.066
0.95	11.40	4.841	2173	3.129
0.96	11.52	4.939	2217	3.192
0.97	11.64	5.038	2261	3.256
0.98	11.76	5.138	2306	3.321
0.99	11.88	5.239	2351	3.386
1.00	12.00	5.341	2397	3.452



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LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
1.01	12.12	5.444	2443	3.518
1.02	12.24	5.548	2490	3.585
1.03	12.36	5.652	2537	3.653
1.04	12.48	5.758	2584	3.721
1.05	12.60	5.865	2632	3.790
1.06	12.72	5.972	2680	3.860
1.07	12.84	6.081	2729	3.930
1.08	12.96	6.190	2778	4.001
1.09	13.08	6.300	2828	4.072
1.10	13.20	6.411	2877	4.144
1.11	13.32	6.524	2928	4.216
1.12	13.44	6.637	2979	4.289
1.13	13.56	6.751	3030	4.363
1.14	13.68	6.866	3081	4.437
1.15	13.80	6.982	3133	4.512
1.16	13.92	7.098	3186	4.588
1.17	14.04	7.216	3239	4.664
1.18	14.16	7.335	3292	4.740
1.19	14.28	7.454	3346	4.818
1.20	14.40	7.575	3400	4.896
1.21	14.52	7.696	3454	4.974
1.22	14.64	7.819	3509	5.053
1.23	14.76	7.942	3564	5.133
1.24	14.88	8.066	3620	5.213
1.25	15.00	8.191	3676	5.294
1.26	15.12	8.297	3724	5.363
1.27	15.24	8.444	3790	5.458
1.28	15.36	8.572	3847	5.540
1.29	15.48	8.701	3905	5.623
1.30	15.60	8.831	3963	5.707
1.31	15.72	8.961	4022	5.792
1.32	15.84	9.093	4081	5.877
1.33	15.96	9.225	4140	5.962
1.34	16.08	9.359	4200	6.049
1.35	16.20	9.493	4261	6.135
1.36	16.32	9.628	4321	6.223
1.37	16.44	9.764	4382	6.311
1.38	16.56	9.902	4444	6.399
1.39	16.68	10.04	4506	6.489
1.40	16.80	10.18	4568	6.578
1.41	16.92	10.32	4631	6.669
1.42	17.04	10.46	4694	6.760
1.43	17.16	10.60	4757	6.851
1.44	17.28	10.74	4821	6.943
1.45	17.40	10.89	4886	7.036
1.46	17.52	11.03	4951	7.129
1.47	17.64	11.18	5016	7.223
1.48	17.76	11.32	5081	7.317
1.49	17.88	11.47	5147	7.413
1.50	18.00	11.62	5214	7.508

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
1.51	18.12	11.77	5281	7.604
1.52	18.24	11.92	5348	7.701
1.53	18.36	12.07	5415	7.799
1.54	18.48	12.22	5483	7.897
1.55	18.60	12.37	5552	7.995
1.56	18.72	12.52	5621	8.094
1.57	18.84	12.68	5690	8.194
1.58	18.96	12.83	5760	8.294
1.59	19.08	12.99	5830	8.395
1.60	19.20	13.15	5900	8.497
1.61	19.32	13.30	5971	8.599
1.62	19.44	13.46	6042	8.701
1.63	19.56	13.62	6114	8.805
1.64	19.68	13.78	6186	8.908
1.65	19.80	13.95	6259	9.013