



Flow Chart for 36in Palmer Bowlus Flume

Head (feet)	MGD	CFS	GPM
0.11			
0.12			
0.13			
0.14			
0.15	0.15901	0.24603	110.43
0.16	0.17880	0.27665	124.17
0.17	0.19926	0.30830	138.37
0.18	0.22037	0.34097	153.04
0.19	0.24214	0.37465	168.16
0.20	0.26457	0.40935	183.73
0.21	0.28764	0.44505	199.75
0.22	0.31136	0.48174	216.22
0.23	0.33571	0.51942	233.13
0.24	0.36070	0.55809	250.49
0.25	0.38632	0.59773	268.28
0.26	0.41257	0.63834	286.51
0.27	0.43945	0.67992	305.17
0.28	0.46694	0.72247	324.27
0.29	0.49506	0.76597	343.79
0.30	0.52379	0.81042	363.74
0.31	0.55313	0.85582	384.12
0.32	0.58308	0.9022	404.92
0.33	0.61364	0.9494	426.14
0.34	0.64480	0.9977	447.78
0.35	0.67657	1.0468	469.84
0.36	0.70894	1.0969	492.32
0.37	0.74190	1.1479	515.21
0.38	0.77546	1.1998	538.52
0.39	0.80962	1.2527	562.23
0.40	0.84437	1.3064	586.37
0.41	0.87971	1.3611	610.91
0.42	0.9156	1.4167	635.86
0.43	0.9522	1.4732	661.23
0.44	0.9893	1.5306	687.00
0.45	1.0270	1.5890	713.18
0.46	1.0653	1.6482	739.77
0.47	1.1041	1.7084	766.76
0.48	1.1436	1.7694	794.17
0.49	1.1837	1.8314	821.98
0.50	1.2243	1.8943	850.20

Head (feet)	MGD	CFS	GPM
0.51	1.2655	1.9580	878.83
0.52	1.3073	2.0227	907.86
0.53	1.3497	2.0883	937.3
0.54	1.3927	2.1549	967.2
0.55	1.4363	2.2223	997.4
0.56	1.4805	2.2906	1,028.1
0.57	1.5252	2.3599	1,059.2
0.58	1.5706	2.4301	1,090.7
0.59	1.6165	2.5011	1,122.6
0.60	1.6631	2.5732	1,154.9
0.61	1.7102	2.6461	1,187.7
0.62	1.7580	2.7200	1,220.8
0.63	1.8063	2.7948	1,254.4
0.64	1.8553	2.8705	1,288.4
0.65	1.9048	2.9472	1,322.8
0.66	1.9550	3.0248	1,357.6
0.67	2.0058	3.1034	1,392.9
0.68	2.0572	3.1829	1,428.6
0.69	2.1092	3.2634	1,464.7
0.70	2.1618	3.3448	1,501.2
0.71	2.2150	3.4272	1,538.2
0.72	2.2689	3.5105	1,575.6
0.73	2.3234	3.5948	1,613.5
0.74	2.3785	3.6801	1,651.8
0.75	2.4343	3.7664	1,690.5
0.76	2.4907	3.8537	1,729.7
0.77	2.5478	3.9420	1,769.3
0.78	2.6055	4.0312	1,809.3
0.79	2.6638	4.1215	1,849.9
0.80	2.7228	4.2128	1,890.8
0.81	2.7824	4.3051	1,932.3
0.82	2.8428	4.3984	1,974.1
0.83	2.9037	4.4928	2,016.5
0.84	2.9654	4.5881	2,059.3
0.85	3.0277	4.6846	2,102.6
0.86	3.0907	4.7820	2,146.3
0.87	3.1544	4.8806	2,190.6
0.88	3.2188	4.9802	2,235.3
0.89	3.2838	5.0808	2,280.4
0.90	3.3496	5.1826	2,326.1

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0.91	3.4160	5.2854	2,372.3
0.92	3.4832	5.3893	2,418.9
0.93	3.5511	5.4943	2,466.0
0.94	3.6197	5.6004	2,513.6
0.95	3.6890	5.7077	2,561.8
0.96	3.7590	5.8160	2,610.4
0.97	3.8297	5.9255	2,659.5
0.98	3.9012	6.0361	2,709.2
0.99	3.9734	6.1478	2,759.3
1.00	4.0464	6.2607	2,810.0
1.01	4.1201	6.3747	2,861.2
1.02	4.1945	6.4899	2,912.9
1.03	4.2697	6.6063	2,965.1
1.04	4.3457	6.7238	3,017.9
1.05	4.4224	6.8425	3,071.1
1.06	4.4999	6.9624	3,125.0
1.07	4.5782	7.0835	3,179.3
1.08	4.6572	7.2058	3,234.2
1.09	4.7371	7.3293	3,289.6
1.10	4.8177	7.4540	3,345.6
1.11	4.8991	7.5800	3,402.1
1.12	4.9813	7.7071	3,459.2
1.13	5.0642	7.8355	3,516.8
1.14	5.1480	7.9652	3,575.0
1.15	5.2326	8.0960	3,633.8
1.16	5.3180	8.2282	3,693.1
1.17	5.4042	8.3615	3,752.9
1.18	5.4912	8.4962	3,813.3
1.19	5.5791	8.6321	3,874.3
1.20	5.6677	8.7693	3,935.9
1.21	5.7572	8.9077	3,998.1
1.22	5.8475	9.0474	4,060.8
1.23	5.9386	9.1884	4,124.1
1.24	6.0306	9.3307	4,187.9
1.25	6.1234	9.4743	4,252.4
1.26	6.2170	9.619	4,317.4
1.27	6.3115	9.765	4,383.0
1.28	6.4068	9.913	4,449.2
1.29	6.5030	10.062	4,516.0
1.30	6.6000	10.212	4,583.3

1.31	6.6979	10.363	4,651.3
1.32	6.7966	10.516	4,719.8
1.33	6.8961	10.670	4,789.0
1.34	6.9965	10.825	4,858.7
1.35	7.0978	10.982	4,929.0
1.36	7.1999	11.140	4,999.9
1.37	7.3028	11.299	5,071.4
1.38	7.4066	11.460	5,143.5
1.39	7.5113	11.622	5,216.2
1.40	7.6168	11.785	5,289.4
1.41	7.7231	11.949	5,363.3
1.42	7.8303	12.115	5,437.7
1.43	7.9384	12.282	5,512.8
1.44	8.0473	12.451	5,588.4
1.45	8.1570	12.621	5,664.6
1.46	8.2676	12.792	5,741.4
1.47	8.3790	12.964	5,818.8
1.48	8.4913	13.138	5,896.7
1.49	8.6044	13.313	5,975.3
1.50	8.7184	13.489	6,054.4
1.51	8.8332	13.667	6,134.1
1.52	8.9488	13.846	6,214.4
1.53	9.0652	14.026	6,295.3
1.54	9.1825	14.207	6,376.7
1.55	9.3006	14.390	6,458.7
1.56	9.4195	14.574	6,541.3
1.57	9.5392	14.759	6,624.4
1.58	9.660	14.946	6,708.1
1.59	9.781	15.133	6,792.4
1.60	9.903	15.322	6,877.2
1.61	10.026	15.513	6,962.5
1.62	10.150	15.704	7,048.4
1.63	10.274	15.897	7,134.8
1.64	10.399	16.090	7,221.8
1.65	10.525	16.285	7,309.3
1.66	10.652	16.481	7,397.4
1.67	10.780	16.679	7,485.9
1.68	10.908	16.877	7,575.0
1.69	11.037	17.077	7,664.6
1.70	11.167	17.278	7,754.7

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1.71	11.297	17.479	7,845.3
1.72	11.428	17.682	7,936.4
1.73	11.560	17.887	8,028.0
1.74	11.693	18.092	8,120.1
1.75	11.826	18.298	8,212.7
1.76	11.960	18.505	8,305.7
1.77	12.095	18.714	8,399.2
1.78	12.230	18.923	8,493.2
1.79	12.366	19.133	8,587.6
1.80	12.503	19.345	8,682.5
1.81	12.640	19.557	8,777.9
1.82	12.778	19.770	8,873.6
1.83	12.917	19.985	8,969.8
1.84	13.056	20.200	9,066.4
1.85	13.195	20.416	9,163.4
1.86	13.336	20.633	9,260.9
1.87	13.477	20.851	9,358.7
1.88	13.618	21.070	9,456.9
1.89	13.760	21.290	9,555.5
1.90	13.903	21.510	9,654.5
1.91	14.046	21.732	9,754
1.92	14.189	21.954	9,854
1.93	14.333	22.177	9,954
1.94	14.478	22.401	10,054
1.95	14.623	22.625	10,155
1.96	14.769	22.850	10,256
1.97	14.915	23.076	10,357
1.98	15.061	23.303	10,459
1.99	15.208	23.531	10,561
2.00	15.356	23.759	10,664
2.01	15.503	23.987	10,766
2.02	15.652	24.217	10,869
2.03	15.800	24.447	10,972
2.04	15.949	24.677	11,076
2.05	16.099	24.908	11,180
2.06	16.249	25.140	11,284
2.07	16.399	25.373	11,388
2.08	16.549	25.606	11,493
2.09	16.700	25.839	11,597
2.10	16.851	26.073	11,702

*For points listed below please see footnote 1.

2.11	17.003	26.307	11,808
2.12	17.155	26.542	11,913
2.13	17.307	26.778	12,019
2.14	17.459	27.014	12,125
2.15	17.612	27.250	12,231
2.16	17.765	27.487	12,337
2.17	17.919	27.724	12,443
2.18	18.072	27.962	12,550
2.19	18.226	28.200	12,657
2.20	18.380	28.439	12,764
2.21	18.535	28.678	12,871
2.22	18.689	28.917	12,979
2.23	18.844	29.157	13,086
2.24	19.000	29.397	13,194
2.25	19.155	29.637	13,302
2.26	19.311	29.878	13,410
2.27	19.467	30.120	13,519
2.28	19.623	30.361	13,627
2.29	19.780	30.604	13,736
2.30	19.936	30.846	13,845
2.31	20.093	31.089	13,954
2.32	20.251	31.333	14,063
2.33	20.408	31.576	14,172
2.34	20.566	31.821	14,282
2.35	20.724	32.065	14,392
2.36	20.883	32.311	14,502
2.37	21.042	32.556	14,612
2.38	21.201	32.802	14,723
2.39	21.360	33.049	14,833
2.40	21.520	33.296	14,944
2.41	21.680	33.544	15,056
2.42	21.841	33.793	15,167
2.43	22.002	34.042	15,279
2.44	22.163	34.291	15,391
2.45	22.325	34.542	15,503
2.46	22.487	34.793	15,616
2.47	22.650	35.045	15,729
2.48	22.813	35.297	15,843
2.49	22.977	35.551	15,956

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2.50	23.142	35.806	16,071
2.51	23.307	36.061	16,185
2.52	23.473	36.317	16,300
2.53	23.639	36.575	16,416
2.54	23.806	36.834	16,532
2.55	23.974	37.093	16,649
2.56	24.143	37.355	16,766
2.57	24.313	37.617	16,884
2.58	24.483	37.881	17,002
2.59	24.655	38.146	17,121
2.60	24.827	38.413	17,241
2.61	25.001	38.682	17,362
2.62	25.176	38.952	17,483
2.63	25.352	39.225	17,605

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