



Flow Chart for 60in Palmer Bowlus Flume

Head (feet)	MGD	CFS	GPM
0.25	0.50575	0.7825	351.21
0.26	0.55204	0.8541	383.36
0.27	0.59909	0.9269	416.04
0.28	0.6469	1.0009	449.23
0.29	0.6954	1.0760	482.94
0.30	0.7447	1.1523	517.17
0.31	0.7948	1.2297	551.92
0.32	0.8455	1.3082	587.17
0.33	0.8970	1.3879	622.95
0.34	0.9493	1.4688	659.23
0.35	1.0023	1.5507	696.02
0.36	1.0560	1.6338	733.3
0.37	1.1104	1.7181	771.1
0.38	1.1656	1.8034	809.4
0.39	1.2215	1.8899	848.2
0.40	1.2781	1.9775	887.6
0.41	1.3354	2.0662	927.4
0.42	1.3935	2.1560	967.7
0.43	1.4522	2.2469	1,008.5
0.44	1.5117	2.3390	1,049.8
0.45	1.5719	2.4321	1,091.6
0.46	1.6328	2.5263	1,133.9
0.47	1.6944	2.6217	1,176.7
0.48	1.7568	2.7181	1,220.0
0.49	1.8198	2.8157	1,263.8
0.50	1.8836	2.9143	1,308.0
0.51	1.9480	3.0141	1,352.8
0.52	2.0132	3.1149	1,398.1
0.53	2.0791	3.2168	1,443.8
0.54	2.1457	3.3198	1,490.0
0.55	2.2129	3.4239	1,536.8
0.56	2.2809	3.5291	1,584.0
0.57	2.3496	3.6354	1,631.7
0.58	2.4190	3.7428	1,679.9
0.59	2.4891	3.8512	1,728.6
0.60	2.5599	3.9608	1,777.7
0.61	2.6314	4.0714	1,827.4
0.62	2.7036	4.1831	1,877.5
0.63	2.7765	4.2959	1,928.2
0.64	2.8502	4.4098	1,979.3

Head (feet)	MGD	CFS	GPM
0.65	2.9245	4.5248	2,030.9
0.66	2.9995	4.6409	2,083.0
0.67	3.0752	4.7581	2,135.6
0.68	3.1517	4.8763	2,188.6
0.69	3.2288	4.9957	2,242.2
0.70	3.3066	5.1161	2,296.3
0.71	3.3852	5.2376	2,350.8
0.72	3.4644	5.3603	2,405.9
0.73	3.5444	5.4840	2,461.4
0.74	3.6251	5.6088	2,517.4
0.75	3.7064	5.7347	2,573.9
0.76	3.7885	5.8617	2,630.9
0.77	3.8713	5.9898	2,688.4
0.78	3.9548	6.1191	2,746.4
0.79	4.0391	6.2494	2,804.9
0.80	4.1240	6.3808	2,863.9
0.81	4.2097	6.5134	2,923.4
0.82	4.2961	6.6470	2,983.4
0.83	4.3832	6.7818	3,043.9
0.84	4.4710	6.9177	3,104.9
0.85	4.5595	7.0547	3,166.4
0.86	4.6488	7.1928	3,228.3
0.87	4.7388	7.3320	3,290.8
0.88	4.8296	7.4724	3,353.9
0.89	4.9210	7.6139	3,417.4
0.90	5.0132	7.7566	3,481.4
0.91	5.1061	7.9004	3,545.9
0.92	5.1998	8.0453	3,611.0
0.93	5.2942	8.1913	3,676.5
0.94	5.3894	8.3386	3,742.6
0.95	5.4852	8.4869	3,809.2
0.96	5.5819	8.6364	3,876.3
0.97	5.6793	8.787	3,943.9
0.98	5.7774	8.939	4,012.1
0.99	5.8763	9.092	4,080.8
1.00	5.9759	9.246	4,150.0
1.01	6.0763	9.401	4,219.7
1.02	6.1775	9.558	4,289.9
1.03	6.2794	9.716	4,360.7
1.04	6.3821	9.875	4,432.0

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1.05	6.4856	10.035	4,503.9
1.06	6.5899	10.196	4,576.3
1.07	6.6949	10.358	4,649.2
1.08	6.8007	10.522	4,722.7
1.09	6.9072	10.687	4,796.7
1.10	7.0146	10.853	4,871.2
1.11	7.1228	11.021	4,946.4
1.12	7.2317	11.189	5,022.0
1.13	7.3414	11.359	5,098.2
1.14	7.4520	11.530	5,175.0
1.15	7.5633	11.702	5,252.3
1.16	7.6754	11.876	5,330.2
1.17	7.7884	12.050	5,408.6
1.18	7.9021	12.226	5,487.6
1.19	8.0167	12.404	5,567.1
1.20	8.1321	12.582	5,647.3
1.21	8.2483	12.762	5,728.0
1.22	8.3653	12.943	5,809.2
1.23	8.4831	13.125	5,891.1
1.24	8.6018	13.309	5,973.5
1.25	8.7213	13.494	6,056.5
1.26	8.8417	13.680	6,140.1
1.27	8.963	13.868	6,224.2
1.28	9.085	14.056	6,309.0
1.29	9.208	14.247	6,394.3
1.30	9.332	14.438	6,480.3
1.31	9.456	14.631	6,566.8
1.32	9.582	14.825	6,653.9
1.33	9.708	15.020	6,741.6
1.34	9.835	15.217	6,829.9
1.35	9.963	15.415	6,918.9
1.36	10.092	15.615	7,008.4
1.37	10.222	15.816	7,098.5
1.38	10.353	16.018	7,189.3
1.39	10.484	16.221	7,280.7
1.40	10.617	16.426	7,372.7
1.41	10.750	16.633	7,465.3
1.42	10.884	16.840	7,558.5
1.43	11.019	17.050	7,652.4
1.44	11.155	17.260	7,746.8

1.45	11.292	17.472	7,841.9
1.46	11.430	17.685	7,937.7
1.47	11.569	17.900	8,034.1
1.48	11.709	18.116	8,131.1
1.49	11.849	18.334	8,228.7
1.50	11.991	18.553	8,327.0
1.51	12.133	18.773	8,426.0
1.52	12.277	18.995	8,525.6
1.53	12.421	19.218	8,625.8
1.54	12.566	19.443	8,726.7
1.55	12.713	19.669	8,828.2
1.56	12.860	19.897	8,930.5
1.57	13.008	20.126	9,033.3
1.58	13.157	20.357	9,137
1.59	13.307	20.589	9,241
1.60	13.458	20.823	9,346
1.61	13.610	21.058	9,451
1.62	13.763	21.295	9,558
1.63	13.917	21.533	9,665
1.64	14.072	21.772	9,772
1.65	14.228	22.013	9,880
1.66	14.384	22.256	9,989
1.67	14.542	22.500	10,099
1.68	14.701	22.746	10,209
1.69	14.861	22.993	10,320
1.70	15.022	23.242	10,432
1.71	15.184	23.492	10,544
1.72	15.346	23.744	10,657
1.73	15.510	23.998	10,771
1.74	15.675	24.253	10,885
1.75	15.841	24.509	11,001
1.76	16.008	24.767	11,116
1.77	16.175	25.027	11,233
1.78	16.344	25.288	11,350
1.79	16.514	25.551	11,468
1.80	16.685	25.816	11,587
1.81	16.857	26.082	11,706
1.82	17.030	26.349	11,826
1.83	17.204	26.618	11,947
1.84	17.379	26.889	12,069

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1.85	17.555	27.162	12,191
1.86	17.732	27.436	12,314
1.87	17.910	27.711	12,438
1.88	18.090	27.989	12,562
1.89	18.270	28.268	12,687
1.90	18.451	28.548	12,813
1.91	18.633	28.830	12,940
1.92	18.817	29.114	13,067
1.93	19.001	29.399	13,195
1.94	19.187	29.686	13,324
1.95	19.373	29.975	13,454
1.96	19.561	30.265	13,584
1.97	19.750	30.557	13,715
1.98	19.939	30.851	13,847
1.99	20.130	31.146	13,979
2.00	20.322	31.443	14,113
2.01	20.515	31.742	14,247
2.02	20.709	32.042	14,381
2.03	20.904	32.344	14,517
2.04	21.101	32.647	14,653
2.05	21.298	32.953	14,790
2.06	21.496	33.260	14,928
2.07	21.696	33.568	15,066
2.08	21.896	33.878	15,206
2.09	22.098	34.190	15,346
2.10	22.300	34.504	15,486
2.11	22.504	34.819	15,628
2.12	22.709	35.136	15,770
2.13	22.915	35.455	15,913
2.14	23.122	35.775	16,057
2.15	23.330	36.097	16,201
2.16	23.539	36.421	16,347
2.17	23.749	36.746	16,493
2.18	23.961	37.073	16,639
2.19	24.173	37.402	16,787
2.20	24.387	37.732	16,935
2.21	24.601	38.064	17,084
2.22	24.817	38.398	17,234
2.23	25.034	38.733	17,385
2.24	25.252	39.070	17,536

2.25	25.471	39.409	17,688
2.26	25.691	39.750	17,841
2.27	25.912	40.092	17,994
2.28	26.134	40.435	18,149
2.29	26.357	40.781	18,304
2.30	26.582	41.128	18,460
2.31	26.807	41.477	18,616
2.32	27.034	41.828	18,774
2.33	27.262	42.180	18,932
2.34	27.490	42.534	19,090
2.35	27.720	42.889	19,250
2.36	27.951	43.247	19,410
2.37	28.183	43.605	19,571
2.38	28.416	43.966	19,733
2.39	28.650	44.328	19,896
2.40	28.885	44.692	20,059
2.41	29.122	45.058	20,223
2.42	29.359	45.425	20,388
2.43	29.597	45.794	20,554
2.44	29.837	46.164	20,720
2.45	30.077	46.536	20,887
2.46	30.319	46.910	21,055
2.47	30.562	47.286	21,223
2.48	30.805	47.663	21,393
2.49	31.050	48.041	21,562
2.50	31.296	48.422	21,733
2.51	31.543	48.804	21,905
2.52	31.791	49.187	22,077
2.53	32.040	49.573	22,250
2.54	32.290	49.959	22,423
2.55	32.541	50.348	22,598
2.56	32.793	50.738	22,773
2.57	33.046	51.130	22,949
2.58	33.300	51.523	23,125
2.59	33.555	51.918	23,302
2.60	33.811	52.314	23,480
2.61	34.069	52.712	23,659
2.62	34.327	53.112	23,838
2.63	34.586	53.513	24,018
2.64	34.846	53.915	24,199

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2.65	35.108	54.320	24,380
2.66	35.370	54.726	24,563
2.67	35.633	55.133	24,745
2.68	35.898	55.542	24,929
2.69	36.163	55.952	25,113
2.70	36.429	56.364	25,298
2.71	36.696	56.778	25,484
2.72	36.965	57.193	25,670
2.73	37.234	57.609	25,857
2.74	37.504	58.027	26,044
2.75	37.775	58.447	26,233
2.76	38.047	58.868	26,422
2.77	38.320	59.290	26,611
2.78	38.594	59.714	26,802
2.79	38.869	60.140	26,993
2.80	39.145	60.566	27,184
2.81	39.422	60.995	27,376
2.82	39.700	61.425	27,569
2.83	39.978	61.856	27,763
2.84	40.258	62.288	27,957
2.85	40.539	62.722	28,152
2.86	40.820	63.158	28,347
2.87	41.102	63.595	28,543
2.88	41.386	64.033	28,740
2.89	41.670	64.473	28,937
2.90	41.955	64.914	29,135
2.91	42.241	65.356	29,334
2.92	42.527	65.800	29,533
2.93	42.815	66.245	29,733
2.94	43.104	66.691	29,933
2.95	43.393	67.139	30,134
2.96	43.683	67.588	30,336
2.97	43.974	68.038	30,538
2.98	44.266	68.490	30,740
2.99	44.559	68.943	30,944
3.00	44.853	69.397	31,148
3.01	45.147	69.853	31,352
3.02	45.442	70.310	31,557
3.03	45.738	70.768	31,763
3.04	46.035	71.227	31,969

3.05	46.333	71.687	32,176
3.06	46.631	72.149	32,383
3.07	46.930	72.612	32,591
3.08	47.230	73.076	32,799
3.09	47.531	73.542	33,008
3.10	47.833	74.008	33,217
3.11	48.135	74.476	33,427
3.12	48.438	74.945	33,638
3.13	48.742	75.415	33,848
3.14	49.046	75.886	34,060
3.15	49.352	76.358	34,272
3.16	49.658	76.832	34,484
3.17	49.964	77.306	34,697
3.18	50.272	77.782	34,911
3.19	50.580	78.258	35,125
3.20	50.888	78.736	35,339
3.21	51.198	79.215	35,554
3.22	51.508	79.695	35,769
3.23	51.819	80.176	35,985
3.24	52.130	80.658	36,202
3.25	52.443	81.141	36,418
3.26	52.755	81.624	36,636
3.27	53.069	82.109	36,853
3.28	53.383	82.595	37,071
3.29	53.698	83.082	37,290
3.30	54.013	83.570	37,509
3.31	54.329	84.059	37,728
3.32	54.645	84.549	37,948
3.33	54.962	85.039	38,168
3.34	55.280	85.531	38,389
3.35	55.599	86.024	38,610
3.36	55.917	86.517	38,832
3.37	56.237	87.011	39,053
3.38	56.557	87.506	39,276
3.39	56.878	88.002	39,498
3.40	57.199	88.499	39,721
3.41	57.520	88.997	39,945
3.42	57.843	89.496	40,168
3.43	58.165	89.995	40,393
3.44	58.489	90.495	40,617

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3.45	58.812	90.996	40,842
3.46	59.137	91.498	41,067
3.47	59.461	92.000	41,293
3.48	59.787	92.504	41,519
3.49	60.113	93.008	41,745
3.50	60.439	93.513	41,971
*For points listed below please see footnote 1.			
3.51	60.765	94.018	42,198
3.52	61.093	94.524	42,425
3.53	61.420	95.031	42,653
3.54	61.748	95.539	42,881
3.55	62.077	96.05	43,109
3.56	62.406	96.56	43,337
3.57	62.735	97.07	43,566
3.58	63.065	97.58	43,795
3.59	63.396	98.09	44,025
3.60	63.726	98.60	44,254
3.61	64.057	99.11	44,484
3.62	64.389	99.62	44,714
3.63	64.721	100.14	44,945
3.64	65.053	100.65	45,176
3.65	65.386	101.17	45,407
3.66	65.719	101.68	45,638
3.67	66.052	102.20	45,870
3.68	66.386	102.71	46,101
3.69	66.720	103.23	46,333
3.70	67.055	103.75	46,566
3.71	67.390	104.27	46,798
3.72	67.725	104.79	47,031
3.73	68.060	105.30	47,264
3.74	68.396	105.82	47,497
3.75	68.733	106.34	47,731
3.76	69.069	106.87	47,965
3.77	69.406	107.39	48,199
3.78	69.743	107.91	48,433
3.79	70.081	108.43	48,667
3.80	70.419	108.95	48,902
3.81	70.757	109.48	49,137
3.82	71.095	110.00	49,372
3.83	71.434	110.52	49,607
3.84	71.773	111.05	49,842

3.85	72.112	111.57	50,078
3.86	72.452	112.10	50,314
3.87	72.792	112.63	50,550
3.88	73.132	113.15	50,786
3.89	73.473	113.68	51,023
3.90	73.813	114.21	51,259
3.91	74.154	114.73	51,496
3.92	74.496	115.26	51,733
3.93	74.837	115.79	51,970
3.94	75.179	116.32	52,208
3.95	75.521	116.85	52,445
3.96	75.864	117.38	52,683
3.97	76.206	117.91	52,921
3.98	76.549	118.44	53,159
3.99	76.893	118.97	53,398
4.00	77.236	119.50	53,636
4.01	77.580	120.03	53,875
4.02	77.924	120.57	54,114
4.03	78.268	121.10	54,353
4.04	78.613	121.63	54,592
4.05	78.958	122.17	54,832
4.06	79.303	122.70	55,071
4.07	79.648	123.23	55,311
4.08	79.994	123.77	55,551
4.09	80.340	124.30	55,791
4.10	80.686	124.84	56,032
4.11	81.032	125.38	56,273
4.12	81.379	125.91	56,513
4.13	81.726	126.45	56,754
4.14	82.074	126.99	56,996
4.15	82.421	127.52	57,237
4.16	82.769	128.06	57,479
4.17	83.118	128.60	57,721
4.18	83.466	129.14	57,963
4.19	83.815	129.68	58,205
4.20	84.164	130.22	58,447
4.21	84.514	130.76	58,690
4.22	84.864	131.30	58,933
4.23	85.214	131.85	59,176
4.24	85.564	132.39	59,420

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