



Flow Chart for 54in Palmer Bowlus Flume

Head (feet)	MGD	CFS	GPM
0.23	0.49652	0.7682	344.81
0.24	0.52752	0.8162	366.33
0.25	0.55942	0.8656	388.49
0.26	0.59223	0.9163	411.27
0.27	0.62596	0.9685	434.69
0.28	0.6606	1.0221	458.74
0.29	0.6961	1.0771	483.41
0.30	0.7326	1.1334	508.72
0.31	0.7699	1.1912	534.65
0.32	0.8081	1.2504	561.20
0.33	0.8473	1.3109	588.39
0.34	0.8873	1.3729	616.19
0.35	0.9283	1.4362	644.62
0.36	0.9701	1.5009	673.7
0.37	1.0128	1.5671	703.3
0.38	1.0564	1.6346	733.6
0.39	1.1010	1.7034	764.6
0.40	1.1464	1.7737	796.1
0.41	1.1927	1.8453	828.2
0.42	1.2399	1.9183	861.0
0.43	1.2879	1.9927	894.4
0.44	1.3369	2.0685	928.4
0.45	1.3868	2.1456	963.0
0.46	1.4375	2.2241	998.3
0.47	1.4891	2.3040	1,034.1
0.48	1.5416	2.3853	1,070.6
0.49	1.5950	2.4679	1,107.7
0.50	1.6493	2.5519	1,145.4
0.51	1.7045	2.6372	1,183.7
0.52	1.7605	2.7239	1,222.6
0.53	1.8174	2.8120	1,262.1
0.54	1.8752	2.9014	1,302.2
0.55	1.9339	2.9922	1,343.0
0.56	1.9935	3.0844	1,384.4
0.57	2.0539	3.1779	1,426.3
0.58	2.1152	3.2727	1,468.9
0.59	2.1774	3.3689	1,512.1
0.60	2.2405	3.4665	1,555.9
0.61	2.3044	3.5654	1,600.3
0.62	2.3692	3.6657	1,645.3
0.63	2.4349	3.7674	1,690.9
0.64	2.5015	3.8703	1,737.1

Head (feet)	MGD	CFS	GPM
0.65	2.5689	3.9747	1,783.9
0.66	2.6372	4.0803	1,831.4
0.67	2.7064	4.1874	1,879.4
0.68	2.7764	4.2957	1,928.1
0.69	2.8473	4.4054	1,977.3
0.70	2.9191	4.5165	2,027.1
0.71	2.9917	4.6289	2,077.6
0.72	3.0652	4.7426	2,128.6
0.73	3.1396	4.8577	2,180.3
0.74	3.2149	4.9741	2,232.5
0.75	3.2910	5.0919	2,285.4
0.76	3.3680	5.2110	2,338.9
0.77	3.4458	5.3314	2,392.9
0.78	3.5245	5.4532	2,447.6
0.79	3.6041	5.5763	2,502.8
0.80	3.6845	5.7008	2,558.7
0.81	3.7658	5.8265	2,615.1
0.82	3.8479	5.9536	2,672.2
0.83	3.9310	6.0821	2,729.8
0.84	4.0148	6.2119	2,788.1
0.85	4.0996	6.3430	2,846.9
0.86	4.1852	6.4754	2,906.4
0.87	4.2716	6.6092	2,966.4
0.88	4.3589	6.7443	3,027.0
0.89	4.4471	6.8807	3,088.3
0.90	4.5361	7.0184	3,150.1
0.91	4.6260	7.1575	3,212.5
0.92	4.7168	7.2979	3,275.5
0.93	4.8084	7.4396	3,339.1
0.94	4.9008	7.5827	3,403.3
0.95	4.9941	7.7271	3,468.1
0.96	5.0883	7.8727	3,533.5
0.97	5.1833	8.0198	3,599.5
0.98	5.2792	8.1681	3,666.1
0.99	5.3759	8.3178	3,733.3
1.00	5.4735	8.4687	3,801.0
1.01	5.5719	8.6210	3,869.4
1.02	5.6712	8.7747	3,938.3
1.03	5.7713	8.9296	4,007.9
1.04	5.8723	9.0858	4,078.0

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1.05	5.9742	9.2434	4,148.7	1.45	10.741	16.6190	7,459.1
1.06	6.0769	9.4023	4,220.0	1.46	10.878	16.8300	7,553.8
1.07	6.1804	9.5625	4,291.9	1.47	11.015	17.0424	7,649.1
1.08	6.2848	9.7240	4,364.4	1.48	11.153	17.2560	7,745.0
1.09	6.3900	9.8868	4,437.5	1.49	11.292	17.4709	7,841.5
1.10	6.4961	10.0510	4,511.2	1.50	11.432	17.6872	7,938.5
1.11	6.6030	10.2164	4,585.4	1.51	11.572	17.9047	8,036.2
1.12	6.7108	10.3832	4,660.3	1.52	11.714	18.1235	8,134.4
1.13	6.8195	10.5513	4,735.7	1.53	11.856	18.3436	8,233.2
1.14	6.9289	10.7207	4,811.8	1.54	11.999	18.5650	8,332.5
1.15	7.0393	10.8914	4,888.4	1.55	12.143	18.7877	8,432.5
1.16	7.1504	11.0634	4,965.6	1.56	12.288	19.0116	8,533.0
1.17	7.2625	11.2367	5,043.4	1.57	12.433	19.2369	8,634.1
1.18	7.3753	11.4113	5,121.8	1.58	12.580	19.4635	8,736
1.19	7.4890	11.5872	5,200.7	1.59	12.727	19.6913	8,838
1.20	7.6036	11.7645	5,280.3	1.60	12.875	19.9204	8,941
1.21	7.7190	11.9430	5,360.4	1.61	13.024	20.1508	9,044
1.22	7.8352	12.1229	5,441.1	1.62	13.174	20.3825	9,148
1.23	7.9523	12.3041	5,522.4	1.63	13.324	20.6155	9,253
1.24	8.0703	12.4865	5,604.3	1.64	13.476	20.8498	9,358
1.25	8.1890	12.6703	5,686.8	1.65	13.628	21.0854	9,464
1.26	8.3086	12.8554	5,769.9	1.66	13.781	21.3222	9,570
1.27	8.429	13.0418	5,853.5	1.67	13.935	21.5603	9,677
1.28	8.550	13.2294	5,937.8	1.68	14.090	21.7998	9,784
1.29	8.673	13.4184	6,022.6	1.69	14.245	22.0405	9,892
1.30	8.796	13.6087	6,108.0	1.70	14.402	22.2824	10,001
1.31	8.919	13.8003	6,194.0	1.71	14.559	22.5257	10,110
1.32	9.044	13.9932	6,280.6	1.72	14.717	22.7703	10,220
1.33	9.170	14.1874	6,367.7	1.73	14.876	23.0161	10,330
1.34	9.296	14.3829	6,455.5	1.74	15.035	23.2632	10,441
1.35	9.423	14.5797	6,543.8	1.75	15.196	23.5116	10,553
1.36	9.551	14.7778	6,632.7	1.76	15.357	23.7613	10,665
1.37	9.680	14.9771	6,722.2	1.77	15.520	24.0123	10,777
1.38	9.810	15.1778	6,812.3	1.78	15.683	24.2645	10,891
1.39	9.940	15.3798	6,902.9	1.79	15.846	24.5180	11,004
1.40	10.072	15.5831	6,994.2	1.80	16.011	24.7728	11,119
1.41	10.204	15.7877	7,086.0	1.81	16.177	25.0289	11,234
1.42	10.337	15.9936	7,178.4	1.82	16.343	25.2863	11,349
1.43	10.471	16.2007	7,271.4	1.83	16.510	25.5449	11,465
1.44	10.606	16.4092	7,365.0	1.84	16.678	25.8049	11,582

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1.85	16.847	26.0661	11,699
1.86	17.017	26.3285	11,817
1.87	17.187	26.5923	11,935
1.88	17.358	26.8573	12,054
1.89	17.530	27.1236	12,174
1.90	17.703	27.3912	12,294
1.91	17.877	27.6601	12,415
1.92	18.052	27.9302	12,536
1.93	18.227	28.2016	12,658
1.94	18.403	28.4743	12,780
1.95	18.580	28.7483	12,903
1.96	18.758	29.0235	13,027
1.97	18.937	29.3000	13,151
1.98	19.117	29.5778	13,275
1.99	19.297	29.8569	13,401
2.00	19.478	30.1372	13,527
2.01	19.660	30.4188	13,653
2.02	19.843	30.7017	13,780
2.03	20.027	30.9858	13,907
2.04	20.211	31.2712	14,036
2.05	20.396	31.5579	14,164
2.06	20.583	31.8459	14,293
2.07	20.769	32.1351	14,423
2.08	20.957	32.4256	14,554
2.09	21.146	32.7174	14,685
2.10	21.335	33.0104	14,816
2.11	21.525	33.3048	14,948
2.12	21.716	33.6003	15,081
2.13	21.908	33.8972	15,214
2.14	22.101	34.1953	15,348
2.15	22.295	34.4947	15,482
2.16	22.489	34.7954	15,617
2.17	22.684	35.0973	15,753
2.18	22.880	35.4005	15,889
2.19	23.077	35.7049	16,025
2.20	23.274	36.0106	16,163
2.21	23.473	36.3176	16,300
2.22	23.672	36.6259	16,439
2.23	23.872	36.9354	16,578
2.24	24.073	37.2462	16,717

2.25	24.275	37.5582	16,857
2.26	24.477	37.8716	16,998
2.27	24.680	38.1861	17,139
2.28	24.884	38.5020	17,281
2.29	25.089	38.8191	17,423
2.30	25.295	39.1375	17,566
2.31	25.502	39.4571	17,710
2.32	25.709	39.7780	17,854
2.33	25.917	40.1002	17,998
2.34	26.126	40.4236	18,143
2.35	26.336	40.7483	18,289
2.36	26.547	41.0742	18,435
2.37	26.758	41.4014	18,582
2.38	26.971	41.7299	18,730
2.39	27.184	42.0596	18,878
2.40	27.398	42.3906	19,026
2.41	27.613	42.7229	19,175
2.42	27.828	43.0564	19,325
2.43	28.044	43.3912	19,475
2.44	28.262	43.7272	19,626
2.45	28.480	44.0645	19,778
2.46	28.698	44.4030	19,929
2.47	28.918	44.7429	20,082
2.48	29.139	45.0839	20,235
2.49	29.360	45.4263	20,389
2.50	29.582	45.7698	20,543
2.51	29.805	46.1147	20,698
2.52	30.028	46.4608	20,853
2.53	30.253	46.8081	21,009
2.54	30.478	47.1568	21,165
2.55	30.704	47.5066	21,322
2.56	30.931	47.8578	21,480
2.57	31.159	48.2101	21,638
2.58	31.388	48.5638	21,797
2.59	31.617	48.9187	21,956
2.60	31.847	49.2748	22,116
2.61	32.078	49.6322	22,276
2.62	32.310	49.9909	22,437
2.63	32.543	50.3508	22,599

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2.64	32.776	50.7120	22,761
2.65	33.010	51.0744	22,924
2.66	33.245	51.4381	23,087
2.67	33.481	51.8030	23,251
2.68	33.718	52.1692	23,415
2.69	33.955	52.5366	23,580
2.70	34.194	52.9053	23,746
2.71	34.433	53.2753	23,912
2.72	34.673	53.6465	24,078
2.73	34.913	54.0189	24,245
2.74	35.155	54.3926	24,413
2.75	35.397	54.7676	24,581
2.76	35.640	55.1438	24,750
2.77	35.884	55.5212	24,920
2.78	36.129	55.8999	25,090
2.79	36.375	56.2799	25,260
2.80	36.621	56.6611	25,431
2.81	36.868	57.0435	25,603
2.82	37.116	57.4272	25,775
2.83	37.365	57.8122	25,948
2.84	37.615	58.1984	26,121
2.85	37.865	58.5858	26,295
2.86	38.116	58.9745	26,470
2.87	38.368	59.3645	26,645
2.88	38.621	59.7557	26,820
2.89	38.875	60.1481	26,996
2.90	39.129	60.5418	27,173
2.91	39.384	60.9368	27,350
2.92	39.641	61.3330	27,528
2.93	39.897	61.7304	27,707
2.94	40.155	62.1291	27,885
2.95	40.414	62.5290	28,065
2.96	40.673	62.9302	28,245
2.97	40.933	63.3326	28,426
2.98	41.194	63.7363	28,607
2.99	41.456	64.1412	28,789
3.00	41.718	64.5474	28,971
3.01	41.981	64.9548	29,154
3.02	42.246	65.3635	29,337
3.03	42.510	65.7734	29,521
3.04	42.776	66.1845	29,706

3.05	43.043	66.5969	29,891
3.06	43.310	67.0105	30,076
3.07	43.578	67.4254	30,263
3.08	43.847	67.8415	30,449
3.09	44.117	68.2589	30,637
3.10	44.387	68.6775	30,825
3.11	44.659	69.0974	31,013
3.12	44.931	69.5185	31,202
3.13	45.204	69.9408	31,392
3.14	45.478	70.3644	31,582
*For points listed below please see footnote 1.			
3.15	45.752	70.7892	31,772
3.16	46.028	71.2153	31,964
3.17	46.304	71.6426	32,155
3.18	46.581	72.0711	32,348
3.19	46.859	72.5009	32,541
3.20	47.137	72.9320	32,734
3.21	47.417	73.3642	32,928
3.22	47.697	73.7978	33,123
3.23	47.978	74.2325	33,318
3.24	48.260	74.6685	33,514
3.25	48.542	75.1058	33,710
3.26	48.826	75.5442	33,907
3.27	49.110	75.9840	34,104
3.28	49.395	76.4249	34,302
3.29	49.681	76.8671	34,500
3.30	49.967	77.3105	34,699
3.31	50.255	77.7552	34,899
3.32	50.543	78.2011	35,099
3.33	50.832	78.6483	35,300
3.34	51.122	79.0967	35,501
3.35	51.412	79.5463	35,703
3.36	51.704	79.9972	35,905
3.37	51.996	80.4493	36,108
3.38	52.289	80.9026	36,312
3.39	52.583	81.3572	36,516
3.40	52.877	81.8131	36,720
3.41	53.173	82.2701	36,925
3.42	53.469	82.7284	37,131
3.43	53.766	83.1879	37,337
3.44	54.064	83.6487	37,544

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3.45	54.362	84.1107	37,751
3.46	54.662	84.5740	37,959
3.47	54.962	85.0384	38,168
3.48	55.263	85.5041	38,377
3.49	55.565	85.9711	38,586
3.50	55.867	86.4393	38,797
3.51	56.171	86.9087	39,007
3.52	56.475	87.3794	39,219
3.53	56.780	87.8512	39,430
3.54	57.086	88.3244	39,643
3.55	57.392	88.7987	39,856
3.56	57.700	89.2743	40,069
3.57	58.008	89.7512	40,283
3.58	58.317	90.2292	40,498
3.59	58.626	90.7085	40,713
3.60	58.937	91.1890	40,928
3.61	59.248	91.6708	41,145
3.62	59.561	92.1538	41,361
3.63	59.874	92.6380	41,579
3.64	60.187	93.1235	41,797
3.65	60.502	93.6102	42,015
3.66	60.817	94.0981	42,234
3.67	61.133	94.5873	42,454
3.68	61.450	95.0777	42,674
3.69	61.768	95.5693	42,894
3.70	62.087	96.0622	43,116
3.71	62.406	96.5562	43,337
3.72	62.726	97.0516	43,560
3.73	63.047	97.5481	43,783
3.74	63.369	98.0459	44,006
3.75	63.691	98.5449	44,230
3.76	64.015	99.0452	44,455
3.77	64.339	99.5466	44,680
3.78	64.664	100.0493	44,905
3.79	64.989	100.5533	45,131
3.80	65.316	101.0584	45,358
3.81	65.643	101.5648	45,585
3.82	65.971	102.0724	45,813
3.83	66.300	102.5813	46,042
3.84	66.630	103.0914	46,271

3.85	66.960	103.6027	46,500
3.86	67.291	104.1152	46,730
3.87	67.624	104.6290	46,961
3.88	67.956	105.1440	47,192
3.89	68.290	105.6602	47,424
3.90	68.624	106.1777	47,656
3.91	68.960	106.6964	47,889
3.92	69.296	107.2163	48,122
3.93	69.633	107.7374	48,356
3.94	69.970	108.2598	48,590
3.95	70.309	108.7834	48,825
3.96	70.648	109.3082	49,061
3.97	70.988	109.8343	49,297
3.98	71.329	110.3615	49,534
3.99	71.670	110.8900	49,771
4.00	72.012	111.4198	50,009
4.01	72.356	111.9507	50,247
4.02	72.700	112.4829	50,486
4.03	73.044	113.0163	50,725
4.04	73.390	113.5510	50,965
4.05	73.736	114.0868	51,206
4.06	74.083	114.6239	51,447
4.07	74.431	115.1622	51,688
4.08	74.780	115.7017	51,931
4.09	75.130	116.2425	52,173
4.10	75.480	116.7845	52,417
4.11	75.831	117.3277	52,660
4.12	76.183	117.8721	52,905
4.13	76.535	118.4178	53,150
4.14	76.889	118.9647	53,395
4.15	77.243	119.5128	53,641
4.16	77.598	120.0621	53,888
4.17	77.954	120.6127	54,135
4.18	78.311	121.1645	54,382
4.19	78.668	121.7175	54,631
4.20	79.026	122.2717	54,879

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