



# Flow Chart for 48in Palmer Bowlus Flume

Head (feet)	MGD	CFS	GPM
0.20	0.34376	0.53187	238.72
0.21	0.37222	0.57590	258.48
0.22	0.40154	0.62127	278.84
0.23	0.43171	0.66795	299.80
0.24	0.46273	0.71595	321.34
0.25	0.49459	0.76524	343.47
0.26	0.52729	0.81583	366.17
0.27	0.56081	0.86770	389.45
0.28	0.59516	0.9208	413.30
0.29	0.63032	0.9753	437.72
0.30	0.66630	1.0309	462.71
0.31	0.70308	1.0878	488.25
0.32	0.74067	1.1460	514.35
0.33	0.77905	1.2054	541.01
0.34	0.81822	1.2660	568.21
0.35	0.85817	1.3278	595.95
0.36	0.89891	1.3908	624.24
0.37	0.9404	1.4551	653.07
0.38	0.9827	1.5205	682.44
0.39	1.0258	1.5871	712.33
0.40	1.0696	1.6549	742.76
0.41	1.1141	1.7238	773.71
0.42	1.1595	1.7940	805.18
0.43	1.2055	1.8652	837.18
0.44	1.2524	1.9377	869.69
0.45	1.2999	2.0113	902.72
0.46	1.3482	2.0860	936.3
0.47	1.3972	2.1619	970.3
0.48	1.4470	2.2389	1,004.9
0.49	1.4975	2.3170	1,039.9
0.50	1.5487	2.3962	1,075.5
0.51	1.6007	2.4766	1,111.6
0.52	1.6533	2.5581	1,148.1
0.53	1.7067	2.6406	1,185.2
0.54	1.7608	2.7243	1,222.8
0.55	1.8156	2.8091	1,260.8
0.56	1.8711	2.8950	1,299.4
0.57	1.9273	2.9819	1,338.4
0.58	1.9842	3.0700	1,377.9
0.59	2.0418	3.1591	1,417.9

Head (feet)	MGD	CFS	GPM
0.60	2.1001	3.2494	1,458.4
0.61	2.1591	3.3407	1,499.4
0.62	2.2188	3.4331	1,540.9
0.63	2.2792	3.5265	1,582.8
0.64	2.3403	3.6210	1,625.2
0.65	2.4021	3.7167	1,668.1
0.66	2.4646	3.8133	1,711.5
0.67	2.5278	3.9111	1,755.4
0.68	2.5916	4.0099	1,799.8
0.69	2.6562	4.1097	1,844.6
0.70	2.7214	4.2107	1,889.9
0.71	2.7874	4.3127	1,935.7
0.72	2.8540	4.4157	1,981.9
0.73	2.9213	4.5199	2,028.7
0.74	2.9893	4.6251	2,075.9
0.75	3.0579	4.7313	2,123.6
0.76	3.1273	4.8386	2,171.7
0.77	3.1973	4.9470	2,220.4
0.78	3.2681	5.0565	2,269.5
0.79	3.3395	5.1670	2,319.1
0.80	3.4116	5.2785	2,369.2
0.81	3.4844	5.3912	2,419.7
0.82	3.5579	5.5049	2,470.8
0.83	3.6321	5.6197	2,522.3
0.84	3.7070	5.7355	2,574.3
0.85	3.7825	5.8525	2,626.8
0.86	3.8588	5.9705	2,679.7
0.87	3.9358	6.0895	2,733.2
0.88	4.0134	6.2097	2,787.1
0.89	4.0918	6.3309	2,841.5
0.90	4.1709	6.4533	2,896.4
0.91	4.2506	6.5767	2,951.8
0.92	4.3311	6.7012	3,007.7
0.93	4.4123	6.8268	3,064.1
0.94	4.4942	6.9535	3,120.9
0.95	4.5768	7.0813	3,178.3
0.96	4.6601	7.2102	3,236.2
0.97	4.7441	7.3402	3,294.5
0.98	4.8289	7.4714	3,353.4
0.99	4.9143	7.6036	3,412.7

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1.00	5.0005	7.7370	3,472.6
1.01	5.0875	7.8715	3,533.0
1.02	5.1751	8.0071	3,593.8
1.03	5.2635	8.1439	3,655.2
1.04	5.3527	8.2818	3,717.1
1.05	5.4425	8.4208	3,779.5
1.06	5.5331	8.5610	3,842.4
1.07	5.6245	8.7024	3,905.9
1.08	5.7166	8.8449	3,969.9
1.09	5.8094	8.9885	4,034.3
1.10	5.9031	9.1334	4,099.3
1.11	5.9974	9.2794	4,164.9
1.12	6.0926	9.4266	4,231.0
1.13	6.1885	9.575	4,297.6
1.14	6.2852	9.725	4,364.7
1.15	6.3826	9.875	4,432.4
1.16	6.4808	10.027	4,500.6
1.17	6.5798	10.181	4,569.3
1.18	6.6796	10.335	4,638.6
1.19	6.7802	10.491	4,708.5
1.20	6.8816	10.647	4,778.9
1.21	6.9838	10.805	4,849.8
1.22	7.0868	10.965	4,921.4
1.23	7.1905	11.125	4,993.4
1.24	7.2951	11.287	5,066.1
1.25	7.4005	11.450	5,139.3
1.26	7.5068	11.615	5,213.0
1.27	7.6138	11.780	5,287.4
1.28	7.7217	11.947	5,362.3
1.29	7.8304	12.115	5,437.8
1.30	7.9399	12.285	5,513.8
1.31	8.0503	12.456	5,590.5
1.32	8.1616	12.628	5,667.7
1.33	8.2736	12.801	5,745.6
1.34	8.3866	12.976	5,824.0
1.35	8.5003	13.152	5,903.0
1.36	8.6150	13.329	5,982.6
1.37	8.7305	13.508	6,062.8
1.38	8.8468	13.688	6,143.6
1.39	8.9641	13.870	6,225.1

1.40	9.0822	14.052	6,307.1
1.41	9.2012	14.236	6,389.7
1.42	9.3211	14.422	6,473.0
1.43	9.4419	14.609	6,556.9
1.44	9.564	14.797	6,641.4
1.45	9.686	14.987	6,726.5
1.46	9.810	15.178	6,812.2
1.47	9.934	15.370	6,898.6
1.48	10.059	15.564	6,985.6
1.49	10.185	15.759	7,073.2
1.50	10.313	15.956	7,161.5
1.51	10.441	16.154	7,250.4
1.52	10.570	16.353	7,339.9
1.53	10.699	16.554	7,430.1
1.54	10.830	16.757	7,521.0
1.55	10.962	16.961	7,612.5
1.56	11.095	17.166	7,704.6
1.57	11.228	17.373	7,797.4
1.58	11.363	17.581	7,890.9
1.59	11.498	17.791	7,985.0
1.60	11.635	18.002	8,079.7
1.61	11.772	18.214	8,175.2
1.62	11.911	18.428	8,271.2
1.63	12.050	18.644	8,368.0
1.64	12.190	18.861	8,465.4
1.65	12.331	19.080	8,563.5
1.66	12.474	19.300	8,662.3
1.67	12.617	19.521	8,761.7
1.68	12.761	19.744	8,861.8
1.69	12.906	19.969	8,962.6
1.70	13.052	20.195	9,064.1
1.71	13.199	20.422	9,166.2
1.72	13.347	20.652	9,269.0
1.73	13.496	20.882	9,372.6
1.74	13.647	21.114	9,476.7
1.75	13.798	21.348	9,581.6
1.76	13.950	21.583	9,687
1.77	14.103	21.820	9,793
1.78	14.256	22.058	9,900
1.79	14.411	22.298	10,008

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1.80	14.567	22.539	10,116
1.81	14.724	22.782	10,225
1.82	14.882	23.026	10,335
1.83	15.041	23.272	10,445
1.84	15.201	23.520	10,556
1.85	15.362	23.768	10,668
1.86	15.524	24.019	10,780
1.87	15.687	24.271	10,894
1.88	15.851	24.525	11,007
1.89	16.015	24.780	11,122
1.90	16.181	25.036	11,237
1.91	16.348	25.294	11,353
1.92	16.516	25.554	11,469
1.93	16.685	25.815	11,587
1.94	16.855	26.078	11,705
1.95	17.025	26.342	11,823
1.96	17.197	26.608	11,942
1.97	17.370	26.875	12,062
1.98	17.544	27.144	12,183
1.99	17.718	27.414	12,304
2.00	17.894	27.686	12,426
2.01	18.071	27.959	12,549
2.02	18.248	28.234	12,672
2.03	18.427	28.511	12,796
2.04	18.606	28.788	12,921
2.05	18.787	29.068	13,046
2.06	18.968	29.348	13,172
2.07	19.151	29.631	13,299
2.08	19.334	29.914	13,427
2.09	19.518	30.200	13,554
2.10	19.704	30.486	13,683
2.11	19.890	30.774	13,812
2.12	20.077	31.064	13,942
2.13	20.265	31.355	14,073
2.14	20.454	31.647	14,204
2.15	20.644	31.941	14,336
2.16	20.835	32.236	14,469
2.17	21.026	32.533	14,602
2.18	21.219	32.831	14,735
2.19	21.413	33.130	14,870

2.20	21.607	33.431	15,005
2.21	21.802	33.733	15,140
2.22	21.998	34.037	15,277
2.23	22.195	34.341	15,414
2.24	22.393	34.648	15,551
2.25	22.592	34.955	15,689
2.26	22.792	35.264	15,828
2.27	22.992	35.574	15,967
2.28	23.194	35.886	16,107
2.29	23.396	36.198	16,247
2.30	23.599	36.513	16,388
2.31	23.802	36.828	16,529
2.32	24.007	37.144	16,672
2.33	24.212	37.462	16,814
2.34	24.419	37.781	16,957
2.35	24.626	38.101	17,101
2.36	24.833	38.423	17,245
2.37	25.042	38.745	17,390
2.38	25.251	39.069	17,536
2.39	25.461	39.394	17,681
2.40	25.672	39.720	17,828
2.41	25.883	40.048	17,975
2.42	26.096	40.376	18,122
2.43	26.309	40.706	18,270
2.44	26.522	41.036	18,418
2.45	26.737	41.368	18,567
2.46	26.952	41.701	18,716
2.47	27.168	42.034	18,866
2.48	27.384	42.369	19,017
2.49	27.601	42.705	19,167
2.50	27.819	43.042	19,319
2.51	28.037	43.380	19,470
2.52	28.256	43.719	19,622
2.53	28.476	44.058	19,775
2.54	28.696	44.399	19,928
2.55	28.917	44.741	20,081
2.56	29.138	45.083	20,235
2.57	29.360	45.427	20,389
2.58	29.583	45.771	20,544
2.59	29.806	46.117	20,699

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2.60	30.030	46.463	20,854
2.61	30.254	46.810	21,010
2.62	30.479	47.157	21,166
2.63	30.704	47.506	21,322
2.64	30.930	47.855	21,479
2.65	31.156	48.206	21,636
2.66	31.383	48.556	21,794
2.67	31.610	48.908	21,951
2.68	31.838	49.261	22,110
2.69	32.066	49.614	22,268
2.70	32.295	49.968	22,427
2.71	32.524	50.322	22,586
2.72	32.754	50.677	22,746
2.73	32.984	51.033	22,905
2.74	33.214	51.390	23,065
2.75	33.445	51.747	23,226
2.76	33.676	52.105	23,386
2.77	33.908	52.463	23,547
2.78	34.140	52.822	23,708
2.79	34.372	53.182	23,870
2.80	34.605	53.542	24,031
*For points listed below please see footnote 1.			
2.81	34.838	53.903	24,193
2.82	35.072	54.264	24,355
2.83	35.306	54.626	24,518
2.84	35.540	54.988	24,680
2.85	35.774	55.351	24,843
2.86	36.009	55.715	25,006
2.87	36.244	56.078	25,170
2.88	36.480	56.443	25,333
2.89	36.716	56.808	25,497
2.90	36.952	57.173	25,661
2.91	37.188	57.539	25,825
2.92	37.425	57.905	25,990
2.93	37.662	58.272	26,154
2.94	37.900	58.639	26,319
2.95	38.137	59.007	26,484
2.96	38.375	59.375	26,649
2.97	38.613	59.744	26,815
2.98	38.852	60.113	26,980
2.99	39.091	60.482	27,146

3.00	39.330	60.852	27,312
3.01	39.569	61.222	27,478
3.02	39.809	61.593	27,645
3.03	40.049	61.964	27,811
3.04	40.289	62.336	27,978
3.05	40.529	62.708	28,145
3.06	40.770	63.081	28,313
3.07	41.011	63.454	28,480
3.08	41.253	63.827	28,648
3.09	41.494	64.201	28,815
3.10	41.736	64.576	28,984
3.11	41.979	64.951	29,152
3.12	42.221	65.326	29,320
3.13	42.464	65.702	29,489
3.14	42.708	66.079	29,658
3.15	42.952	66.456	29,827
3.16	43.196	66.834	29,997
3.17	43.440	67.212	30,167
3.18	43.685	67.591	30,337
3.19	43.930	67.970	30,507
3.20	44.176	68.350	30,678
3.21	44.422	68.731	30,849
3.22	44.669	69.113	31,020
3.23	44.916	69.495	31,192
3.24	45.164	69.878	31,364
3.25	45.412	70.262	31,536
3.26	45.660	70.647	31,709
3.27	45.910	71.033	31,882
3.28	46.159	71.419	32,055
3.29	46.410	71.807	32,229
3.30	46.661	72.195	32,403
3.31	46.913	72.585	32,578
3.32	47.165	72.975	32,754
3.33	47.418	73.367	32,929
3.34	47.672	73.760	33,106
3.35	47.927	74.154	33,283
3.36	48.183	74.549	33,460
3.37	48.439	74.946	33,638
3.38	48.696	75.344	33,817
3.39	48.955	75.744	33,996

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