



Flow Chart for 30in Palmer Bowlus Flume

Head (feet)	MGD	CFS	GPM
0.11			
0.12			
0.13	0.08460	0.13090	58.750
0.14	0.10336	0.15992	71.78
0.15	0.12247	0.18949	85.05
0.16	0.14195	0.21962	98.57
0.17	0.16178	0.25032	112.35
0.18	0.18199	0.28158	126.38
0.19	0.20257	0.31343	140.68
0.20	0.22354	0.34586	155.23
0.21	0.24488	0.37889	170.06
0.22	0.26662	0.41253	185.16
0.23	0.28876	0.44678	200.53
0.24	0.31130	0.48165	216.18
0.25	0.33424	0.51715	232.11
0.26	0.35760	0.55329	248.33
0.27	0.38137	0.59007	264.84
0.28	0.40557	0.62751	281.65
0.29	0.43020	0.66561	298.75
0.30	0.45526	0.70438	316.15
0.31	0.48075	0.74384	333.86
0.32	0.50670	0.78398	351.87
0.33	0.53309	0.82482	370.20
0.34	0.55994	0.8664	388.85
0.35	0.58725	0.9086	407.81
0.36	0.61503	0.9516	427.10
0.37	0.64328	0.9953	446.72
0.38	0.67200	1.0397	466.67
0.39	0.70121	1.0849	486.95
0.40	0.73091	1.1309	507.58
0.41	0.76110	1.1776	528.54
0.42	0.79179	1.2251	549.85
0.43	0.82298	1.2733	571.52
0.44	0.85469	1.3224	593.53
0.45	0.8869	1.3722	615.90
0.46	0.9196	1.4229	638.64
0.47	0.9529	1.4744	661.74
0.48	0.9867	1.5267	685.21
0.49	1.0210	1.5798	709.05
0.50	1.0559	1.6337	733.27

Head (feet)	MGD	CFS	GPM
0.51	1.0913	1.6885	757.87
0.52	1.1273	1.7442	782.85
0.53	1.1638	1.8007	808.21
0.54	1.2009	1.8581	833.97
0.55	1.2386	1.9164	860.13
0.56	1.2768	1.9755	886.68
0.57	1.3156	2.0356	913.6
0.58	1.3550	2.0965	941.0
0.59	1.3950	2.1584	968.8
0.60	1.4356	2.2212	996.9
0.61	1.4768	2.2849	1,025.5
0.62	1.5185	2.3495	1,054.5
0.63	1.5609	2.4151	1,084.0
0.64	1.6039	2.4816	1,113.8
0.65	1.6475	2.5491	1,144.1
0.66	1.6918	2.6176	1,174.8
0.67	1.7367	2.6870	1,206.0
0.68	1.7822	2.7574	1,237.6
0.69	1.8283	2.8288	1,269.6
0.70	1.8751	2.9012	1,302.1
0.71	1.9225	2.9745	1,335.1
0.72	1.9706	3.0489	1,368.4
0.73	2.0193	3.1243	1,402.3
0.74	2.0687	3.2007	1,436.6
0.75	2.1187	3.2782	1,471.3
0.76	2.1695	3.3567	1,506.6
0.77	2.2209	3.4362	1,542.3
0.78	2.2729	3.5167	1,578.4
0.79	2.3257	3.5983	1,615.0
0.80	2.3791	3.6810	1,652.2
0.81	2.4332	3.7647	1,689.7
0.82	2.4880	3.8496	1,727.8
0.83	2.5435	3.9354	1,766.3
0.84	2.5997	4.0224	1,805.4
0.85	2.6567	4.1104	1,844.9
0.86	2.7143	4.1996	1,884.9
0.87	2.7726	4.2898	1,925.4
0.88	2.8316	4.3812	1,966.4
0.89	2.8914	4.4736	2,007.9
0.90	2.9518	4.5672	2,049.9

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0.91	3.0130	4.6618	2,092.4
0.92	3.0749	4.7576	2,135.4
0.93	3.1376	4.8545	2,178.9
0.94	3.2009	4.9526	2,222.9
0.95	3.2650	5.0517	2,267.4
0.96	3.3299	5.1521	2,312.4
0.97	3.3954	5.2535	2,357.9
0.98	3.4617	5.3561	2,404.0
0.99	3.5288	5.4598	2,450.5
1.00	3.5966	5.5647	2,497.6
1.01	3.6651	5.6707	2,545.2
1.02	3.7344	5.7779	2,593.3
1.03	3.8044	5.8862	2,641.9
1.04	3.8751	5.9957	2,691.1
1.05	3.9467	6.1064	2,740.7
1.06	4.0189	6.2182	2,790.9
1.07	4.0919	6.3311	2,841.6
1.08	4.1657	6.4453	2,892.8
1.09	4.2402	6.5605	2,944.6
1.10	4.3155	6.6770	2,996.8
1.11	4.3915	6.7946	3,049.6
1.12	4.4682	6.9134	3,102.9
1.13	4.5457	7.0333	3,156.8
1.14	4.6240	7.1544	3,211.1
1.15	4.7030	7.2766	3,266.0
1.16	4.7828	7.4000	3,321.4
1.17	4.8633	7.5246	3,377.3
1.18	4.9445	7.6503	3,433.7
1.19	5.0265	7.7772	3,490.6
1.20	5.1093	7.9052	3,548.1
1.21	5.1927	8.0344	3,606.1
1.22	5.2770	8.1647	3,664.6
1.23	5.3619	8.2961	3,723.6
1.24	5.4476	8.4287	3,783.1
1.25	5.5340	8.5624	3,843.1
1.26	5.6212	8.6973	3,903.6
1.27	5.7091	8.8333	3,964.6
1.28	5.7977	8.9704	4,026.2
1.29	5.8870	9.1086	4,088.2
1.30	5.9771	9.2479	4,150.7

1.31	6.0678	9.3883	4,213.8
1.32	6.1593	9.5298	4,277.3
1.33	6.2515	9.672	4,341.3
1.34	6.3443	9.816	4,405.8
1.35	6.4379	9.961	4,470.8
1.36	6.5322	10.107	4,536.2
1.37	6.6271	10.254	4,602.2
1.38	6.7227	10.402	4,668.6
1.39	6.8190	10.551	4,735.4
1.40	6.9160	10.701	4,802.8
1.41	7.0136	10.852	4,870.6
1.42	7.1119	11.004	4,938.8
1.43	7.2109	11.157	5,007.6
1.44	7.3105	11.311	5,076.7
1.45	7.4107	11.466	5,146.3
1.46	7.5116	11.622	5,216.4
1.47	7.6131	11.779	5,286.9
1.48	7.7152	11.937	5,357.8
1.49	7.8179	12.096	5,429.1
1.50	7.9213	12.256	5,500.9
1.51	8.0252	12.417	5,573.0
1.52	8.1297	12.579	5,645.6
1.53	8.2348	12.741	5,718.6
1.54	8.3405	12.905	5,792.0
1.55	8.4467	13.069	5,865.8
1.56	8.5535	13.234	5,939.9
1.57	8.6608	13.400	6,014.4
1.58	8.7687	13.567	6,089.4
1.59	8.8771	13.735	6,164.6
1.60	8.9860	13.903	6,240.3
1.61	9.0954	14.073	6,316.3
1.62	9.2053	14.243	6,392.6
1.63	9.3158	14.414	6,469.3
1.64	9.4267	14.585	6,546.3
1.65	9.5380	14.758	6,623.6
1.66	9.6499	14.931	6,701.3
1.67	9.762	15.104	6,779.3
1.68	9.875	15.279	6,857.6
1.69	9.988	15.454	6,936.2
1.70	10.102	15.630	7,015.0

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1.71	10.216	15.806	7,094.2
1.72	10.330	15.983	7,173.7
1.73	10.445	16.161	7,253.4
1.74	10.560	16.339	7,333.4
1.75	10.676	16.518	7,413.6
*For points listed below please see footnote 1.			
1.76	10.791	16.697	7,494.1
1.77	10.908	16.877	7,574.8
1.78	11.024	17.057	7,655.8
1.79	11.141	17.238	7,737.0
1.80	11.259	17.420	7,818.4
1.81	11.376	17.601	7,900.1
1.82	11.494	17.784	7,981.9
1.83	11.612	17.967	8,064.0
1.84	11.731	18.150	8,146.3
1.85	11.849	18.334	8,228.7
1.86	11.968	18.518	8,311.3
1.87	12.088	18.702	8,394.1
1.88	12.207	18.887	8,477.1
1.89	12.327	19.072	8,560.3
1.90	12.447	19.258	8,643.6
1.91	12.567	19.444	8,727.0
1.92	12.687	19.630	8,810.6
1.93	12.808	19.817	8,894.4
1.94	12.929	20.004	8,978.3
1.95	13.050	20.191	9,062.3
1.96	13.171	20.378	9,146.4
1.97	13.292	20.566	9,230.7
1.98	13.414	20.754	9,315.1
1.99	13.535	20.942	9,399.6
2.00	13.657	21.131	9,484.2
2.01	13.779	21.320	9,569.0
2.02	13.902	21.509	9,653.8
2.03	14.024	21.698	9,739
2.04	14.146	21.888	9,824
2.05	14.269	22.077	9,909
2.06	14.392	22.267	9,994
2.07	14.515	22.458	10,080
2.08	14.638	22.648	10,165
2.09	14.761	22.839	10,251
2.10	14.885	23.030	10,336

2.11	15.008	23.221	10,422
2.12	15.132	23.412	10,508
2.13	15.256	23.604	10,594
2.14	15.380	23.796	10,680
2.15	15.504	23.988	10,767
2.16	15.628	24.181	10,853
2.17	15.753	24.374	10,940
2.18	15.878	24.567	11,026
2.19	16.003	24.760	11,113

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