



# Flow Chart for 27in Palmer Bowlus Flume

Head (feet)	MGD	CFS	GPM
0.11	0.08125	0.12572	56.427
0.12	0.09267	0.14338	64.354
0.13	0.10479	0.16214	72.774
0.14	0.11762	0.18198	81.678
0.15	0.13112	0.20288	91.057
0.16	0.14530	0.22481	100.90
0.17	0.16014	0.24778	111.21
0.18	0.17564	0.27175	121.97
0.19	0.19177	0.29671	133.17
0.20	0.20853	0.32265	144.81
0.21	0.22592	0.34955	156.89
0.22	0.24392	0.37739	169.39
0.23	0.26252	0.40617	182.30
0.24	0.28171	0.43587	195.63
0.25	0.30149	0.46648	209.37
0.26	0.32185	0.49798	223.51
0.27	0.34278	0.53036	238.04
0.28	0.36428	0.56362	252.97
0.29	0.38633	0.59775	268.29
0.30	0.40894	0.63272	283.99
0.31	0.43209	0.66855	300.06
0.32	0.45579	0.70521	316.52
0.33	0.48002	0.74270	333.35
0.34	0.50478	0.78101	350.54
0.35	0.53007	0.82014	368.11
0.36	0.55589	0.86009	386.03
0.37	0.58223	0.90084	404.32
0.38	0.60908	0.9424	422.97
0.39	0.63646	0.9847	441.98
0.40	0.66434	1.0279	461.35
0.41	0.69274	1.0718	481.07
0.42	0.72166	1.1166	501.15
0.43	0.75108	1.1621	521.58
0.44	0.78101	1.2084	542.37
0.45	0.81146	1.2555	563.51
0.46	0.84241	1.3034	585.01
0.47	0.87388	1.3521	606.86
0.48	0.90586	1.4016	629.07
0.49	0.93836	1.4518	651.64
0.50	0.9714	1.5029	674.56

Head (feet)	MGD	CFS	GPM
0.51	1.0049	1.5548	697.84
0.52	1.0389	1.6075	721.48
0.53	1.0735	1.6610	745.49
0.54	1.1086	1.7153	769.86
0.55	1.1442	1.7704	794.60
0.56	1.1804	1.8263	819.70
0.57	1.2171	1.8831	845.18
0.58	1.2543	1.9407	871.04
0.59	1.2921	1.9991	897.27
0.60	1.3304	2.0584	923.88
0.61	1.3693	2.1185	950.9
0.62	1.4087	2.1796	978.3
0.63	1.4487	2.2414	1,006.0
0.64	1.4892	2.3042	1,034.2
0.65	1.5304	2.3678	1,062.8
0.66	1.5721	2.4324	1,091.7
0.67	1.6144	2.4978	1,121.1
0.68	1.6572	2.5641	1,150.9
0.69	1.7007	2.6314	1,181.1
0.70	1.7448	2.6996	1,211.7
0.71	1.7895	2.7687	1,242.7
0.72	1.8348	2.8388	1,274.1
0.73	1.8807	2.9099	1,306.0
0.74	1.9272	2.9819	1,338.4
0.75	1.9744	3.0548	1,371.1
0.76	2.0222	3.1288	1,404.3
0.77	2.0707	3.2038	1,438.0
0.78	2.1197	3.2797	1,472.0
0.79	2.1695	3.3567	1,506.6
0.80	2.2199	3.4347	1,541.6
0.81	2.2710	3.5137	1,577.1
0.82	2.3227	3.5938	1,613.0
0.83	2.3752	3.6749	1,649.4
0.84	2.4283	3.7571	1,686.3
0.85	2.4821	3.8404	1,723.7
0.86	2.5366	3.9247	1,761.5
0.87	2.5918	4.0101	1,799.8
0.88	2.6477	4.0966	1,838.7
0.89	2.7043	4.1842	1,878.0
0.90	2.7616	4.2728	1,917.8

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0.91	2.8196	4.3626	1,958.1
0.92	2.8784	4.4536	1,998.9
0.93	2.9379	4.5456	2,040.2
0.94	2.9981	4.6388	2,082.0
0.95	3.0591	4.7331	2,124.3
0.96	3.1207	4.8285	2,167.2
0.97	3.1832	4.9251	2,210.5
0.98	3.2463	5.0228	2,254.4
0.99	3.3102	5.1217	2,298.8
1.00	3.3749	5.2217	2,343.7
1.01	3.4403	5.3229	2,389.1
1.02	3.5064	5.4252	2,435.0
1.03	3.5733	5.5287	2,481.5
1.04	3.6410	5.6334	2,528.4
1.05	3.7093	5.7392	2,575.9
1.06	3.7785	5.8462	2,623.9
1.07	3.8484	5.9543	2,672.5
1.08	3.9190	6.0636	2,721.5
1.09	3.9904	6.1740	2,771.1
1.10	4.0625	6.2856	2,821.2
1.11	4.1353	6.3983	2,871.8
1.12	4.2089	6.5122	2,922.9
1.13	4.2833	6.6272	2,974.5
1.14	4.3583	6.7433	3,026.6
1.15	4.4341	6.8606	3,079.2
1.16	4.5106	6.9790	3,132.4
1.17	4.5878	7.0984	3,186.0
1.18	4.6658	7.2190	3,240.1
1.19	4.7444	7.3407	3,294.7
1.20	4.8238	7.4635	3,349.8
1.21	4.9038	7.5873	3,405.4
1.22	4.9845	7.7122	3,461.5
1.23	5.0659	7.8381	3,518.0
1.24	5.1480	7.9651	3,575.0
1.25	5.2307	8.0931	3,632.5
1.26	5.3141	8.2222	3,690.4
1.27	5.3982	8.3522	3,748.7
1.28	5.4828	8.4832	3,807.5
1.29	5.5681	8.6152	3,866.7
1.30	5.6540	8.7481	3,926.4

1.31	5.7405	8.8819	3,986.5
1.32	5.8277	9.0167	4,047.0
1.33	5.9154	9.1524	4,107.9
1.34	6.0036	9.2890	4,169.2
1.35	6.0924	9.4264	4,230.9
1.36	6.1818	9.5647	4,292.9
1.37	6.2717	9.7038	4,355.4
1.38	6.3621	9.844	4,418.2
1.39	6.4531	9.984	4,481.3
1.40	6.5445	10.126	4,544.8
1.41	6.6365	10.268	4,608.6
1.42	6.7288	10.411	4,672.8
1.43	6.8217	10.555	4,737.3
1.44	6.9150	10.699	4,802.1
1.45	7.0087	10.844	4,867.2
1.46	7.1029	10.990	4,932.5
1.47	7.1974	11.136	4,998.2
1.48	7.2924	11.283	5,064.1
1.49	7.3877	11.430	5,130.3
1.50	7.4834	11.579	5,196.8
1.51	7.5794	11.727	5,263.5
1.52	7.6758	11.876	5,330.4
1.53	7.7725	12.026	5,397.6
1.54	7.8696	12.176	5,465.0
1.55	7.9669	12.327	5,532.6
1.56	8.0645	12.478	5,600.4
1.57	8.1624	12.629	5,668.4
1.58	8.2606	12.781	5,736.5
1.59	8.3591	12.933	5,804.9
1.60	8.4578	13.086	5,873.5
*For points listed below please see footnote 1.			
1.61	8.5567	13.239	5,942.2
1.62	8.6559	13.393	6,011.1
1.63	8.7554	13.547	6,080.1
1.64	8.8550	13.701	6,149.3
1.65	8.9549	13.855	6,218.7
1.66	9.0550	14.010	6,288.2
1.67	9.1553	14.165	6,357.8
1.68	9.2558	14.321	6,427.7
1.69	9.3566	14.477	6,497.6

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1.70	9.4575	14.633	6,567.7
1.71	9.5587	14.790	6,638.0
1.72	9.6601	14.946	6,708.4
1.73	9.762	15.104	6,779.0
1.74	9.864	15.261	6,849.8
1.75	9.966	15.419	6,920.7
1.76	10.068	15.578	6,991.8
1.77	10.171	15.737	7,063.1
1.78	10.274	15.896	7,134.6
1.79	10.377	16.056	7,206.3
1.80	10.481	16.216	7,278.2
1.81	10.585	16.377	7,350.4
1.82	10.689	16.538	7,422.9
1.83	10.794	16.700	7,495.6
1.84	10.899	16.863	7,568.6
1.85	11.004	17.026	7,641.9
1.86	11.111	17.191	7,715.6
1.87	11.217	17.356	7,789.7
1.88	11.324	17.521	7,864.2
1.89	11.432	17.688	7,939.1
1.90	11.541	17.856	8,014.5
1.91	11.650	18.025	8,090.4
1.92	11.760	18.196	8,166.8
1.93	11.871	18.367	8,243.9
1.94	11.983	18.541	8,321.6
1.95	12.096	18.715	8,399.9
1.96	12.210	18.891	8,479.0
1.97	12.325	19.069	8,558.9

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