



# Flow Chart for 6in Palmer Bowlus Flume

Head (feet)	MGD	CFS	GPM
0.01			
0.02			
0.03			
0.04	0.00392	0.00606	2.7191
0.05	0.00571	0.00883	3.9633
0.06	0.00777	0.01203	5.3987
0.07	0.01010	0.01563	7.0169
0.08	0.01269	0.01963	8.8114
0.09	0.01552	0.02401	10.778
0.10	0.01860	0.02877	12.915
0.11	0.02192	0.03391	15.221
0.12	0.02549	0.03943	17.699
0.13	0.02931	0.04535	20.352
0.14	0.03339	0.05166	23.186
0.15	0.03774	0.05839	26.207
0.16	0.04237	0.06555	29.422
0.17	0.04729	0.07317	32.839
0.18	0.05251	0.08125	36.468
0.19	0.05805	0.08982	40.316
0.20	0.06392	0.09890	44.390
0.21	0.07013	0.10850	48.699
0.22	0.07668	0.11863	53.247
0.23	0.08357	0.12931	58.037
0.24	0.09082	0.14052	63.072
0.25	0.09842	0.15229	68.350
0.26	0.10637	0.16458	73.869
0.27	0.11465	0.17740	79.621
0.28	0.12326	0.19071	85.597
0.29	0.13217	0.20450	91.786
0.30	0.14137	0.21873	98.17
0.31	0.15083	0.23336	104.74
0.32	0.16052	0.24836	111.47
0.33	0.17042	0.26367	118.34
0.34	0.18049	0.27926	125.34
0.35	0.19071	0.29508	132.44

Head (feet)	MGD	CFS	GPM
*For points listed below please see footnote 1.			
0.36	0.20107	0.31110	139.63
0.37	0.21153	0.32728	146.90
0.38	0.22210	0.34363	154.23
0.39	0.23277	0.36015	161.65
0.40	0.24358	0.37687	169.15
0.41	0.25456	0.39386	176.78
0.42	0.26579	0.41124	184.58
0.43	0.27738	0.42916	192.62
0.44	0.28946	0.44785	201.01
0.45	0.30223	0.46761	209.88
0.46	0.31593	0.48882	219.40
0.47	0.33089	0.51197	229.79

- 1) Pipes/channels larger than flume may cause over discharge up to 3% (as noted in chart for upper flow ranges).
- 2) Flow ranges are based on meter capability, freeboard allowances and flow studies. Points beyond these may perform satisfactorily.