



# Flow Chart for 8in Palmer Bowlus Flume

Head (feet)	MGD	CFS	GPM		Head (feet)	MGD	CFS	GPM
0.01					0.37	0.24923	0.38561	173.07
0.02					0.38	0.26277	0.40657	182.48
0.03					0.39	0.27666	0.42806	192.12
0.04	0.00493	0.00763	3.4247		0.40	0.29087	0.45004	201.99
0.05	0.00731	0.01131	5.0763		0.41	0.30538	0.47249	212.07
0.06	0.00999	0.01545	6.9363		0.42	0.32017	0.49538	222.34
0.07	0.01296	0.02005	9.0004		0.43	0.33523	0.51867	232.80
0.08	0.01622	0.02510	11.265		0.44	0.35051	0.54232	243.41
0.09	0.01977	0.03059	13.728		0.45	0.36601	0.56630	254.17
0.10	0.02360	0.03651	16.386		0.46	0.38170	0.59057	265.07
0.11	0.02771	0.04287	19.240		0.47	0.39755	0.61510	276.07
0.12	0.03209	0.04966	22.288		0.48	0.41355	0.63985	287.18
0.13	0.03677	0.05688	25.532		0.49	0.42968	0.66481	298.39
0.14	0.04172	0.06455	28.972		0.50	0.44593	0.68995	309.67
0.15	0.04696	0.07266	32.612		*For points listed below please see footnote			
0.16	0.05250	0.08122	36.456		0.51	0.46230	0.71528	321.04
0.17	0.05833	0.09025	40.506		0.52	0.47878	0.74079	332.49
0.18	0.06446	0.09974	44.767		0.53	0.49540	0.76650	344.03
0.19	0.07091	0.10972	49.245		0.54	0.51218	0.79246	355.68
0.20	0.07768	0.12019	53.947		0.55	0.52916	0.81873	367.47
0.21	0.08478	0.13118	58.876		0.56	0.54639	0.84539	379.44
0.22	0.09222	0.14269	64.042		0.57	0.56395	0.87256	391.63
0.23	0.10001	0.15473	69.449		0.58	0.58194	0.90040	404.13
0.24	0.10815	0.16733	75.104		0.59	0.60048	0.92908	417.00
0.25	0.11666	0.18050	81.014		0.60	0.61972	0.95885	430.36
0.26	0.12555	0.19425	87.184		0.61	0.63986	0.9900	444.34
0.27	0.13481	0.20859	93.620		0.62	0.66110	1.0229	459.10
0.28	0.14447	0.22353	100.33		0.63	0.68372	1.0579	474.80
0.29	0.15452	0.23908	107.31					
0.30	0.16497	0.25525	114.56					
0.31	0.17582	0.27204	122.10					
0.32	0.18708	0.28945	129.91					
0.33	0.19873	0.30748	138.01					
0.34	0.21078	0.32612	146.37					
0.35	0.22322	0.34537	155.01					
0.36	0.23604	0.36520	163.91					

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.