



## Flow Chart for 4in Palmer Bowlus Flume

Head (feet)	MGD	CFS	GPM
0.01			
0.02			
0.03			
0.04	0.00279	0.00432	1.9367
0.05	0.00408	0.00631	2.8327
0.06	0.00557	0.00861	3.8654
0.07	0.00725	0.01122	5.0359
0.08	0.00914	0.01414	6.3476
0.09	0.01124	0.01739	7.8058
0.10	0.01356	0.02098	9.4177
0.11	0.01612	0.02494	11.192
0.12	0.01892	0.02927	13.137
0.13	0.02198	0.03400	15.261
0.14	0.02531	0.03915	17.573
0.15	0.02891	0.04473	20.078
0.16	0.03280	0.05075	22.779
0.17	0.03697	0.05720	25.675
0.18	0.04142	0.06408	28.761
0.19	0.04612	0.07136	32.029
0.20	0.05107	0.07901	35.463
0.21	0.05623	0.08700	39.047
0.22	0.06157	0.09527	42.760
0.23	0.06707	0.10378	46.578
0.24	0.07269	0.11247	50.482
0.25	0.07841	0.12132	54.453
*For points listed below please see footnote 1.			
0.26	0.08422	0.13030	58.483
0.27	0.09012	0.13943	62.580
0.28	0.09615	0.14877	66.772
0.29	0.10241	0.15845	71.116
0.30	0.10903	0.16869	75.713
0.31	0.11623	0.17983	80.715

- 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.