



VIRTUAL POLYMER COMPOUNDS, LLC

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Minimum and Maximum Free Flow Rates for Standard Palmer Bowlus Flumes

Flume Size Inches	Max. Upstream Slope %	Min. Head Ft.	Min. Flow Rate			Max. Head Ft.	Max Flow Rate		
			CFS	MGD	GPM		CFS	MGD	GPM
4	2.2	0.02	0.001	0.001	0.56	0.25	0.121	0.078	54.5
6	2.2	0.03	0.004	0.002	1.68	0.35	0.295	0.19	132
8	2	0.03	0.008	0.005	3.43	0.50	0.69	0.445	310
10	1.8	0.05	0.014	0.009	6.17	0.60	1.12	0.722	502
12	1.6	0.05	0.016	0.011	7.35	0.70	1.68	1.08	752
15	1.5	0.06	0.027	0.017	12.10	0.90	3.09	1.99	1385
18	1.4	0.08	0.051	0.033	22.70	1.05	4.61	2.98	2070
21	1.4	0.10	0.081	0.052	36.50	1.25	7.04	4.54	3160
24	1.3	0.10	0.096	0.062	43.00	1.40	9.47	6.11	4250
27	1.3	0.11	0.126	0.081	56.40	1.60	13.1	8.44	5870
30	1.3	0.20	0.346	0.223	155.00	1.75	16.5	10.7	7410