



VIRTUAL POLYMER COMPOUNDS, LLC

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Minimum and Maximum Free Flow Rates for Standard Parshall Flumes

Width "W"	Ha Head	Minimum Flow Rate			Ha Head	Maximum Flow Rate		
Inches	Feet	CFS	MGD	GPM	Feet	CFS	MGD	GPM
1	0.07	0.005	0.003	2.2	0.6	0.15	0.10	68.7
2	0.07	0.011	0.007	4.9	0.6	0.31	0.20	137
3	0.10	0.028	0.018	12.6	1.5	1.86	1.20	835
6	0.10	0.054	0.035	24.2	1.5	3.91	2.53	1750
9	0.10	0.091	0.059	40.8	2.0	8.87	5.73	3980
12	0.10	0.120	0.078	53.9	2.5	16.10	10.40	7220
18	0.10	0.174	0.112	78.1	2.5	24.60	15.90	11000
24	0.15	0.423	0.273	190.0	2.5	33.10	21.40	14900
36	0.15	0.615	0.397	276.0	2.5	50.40	32.60	22600
48	0.20	1.260	0.816	565.0	2.5	67.90	43.90	30500
60	0.20	1.550	1.000	696.0	2.5	85.60	55.30	38400
72	0.25	2.630	1.700	1180.0	2.5	103.00	66.90	46200
96	0.25	3.450	2.230	1550.0	2.5	139.00	90.10	62400
120	0.30	5.740	3.710	2580.0	3.5	292.00	189.00	131000
144	0.33	7.930	5.130	3560.0	4.5	519.00	335.00	233000