



**Parshall / Palmer-Bowlus  
Flume Typical  
Discharge Capacities**

770.664.6513 (V) 770.664.6565 (F)

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Size	Minimum Flow			Maximum Flow			Maximum Head	
	CFS	GPM	MGD	CFS	GPM	MGD	Inches	Feet

PARSHALL								
1"	0.003	1.4	0.002	0.19	85.3	0.123	8.0	0.67
2"	0.007	2.9	0.004	0.469	210.5	0.303	9.5	0.79
3"	0.028	12.6	0.018	1.134	508.9	0.733	13.1	1.09
6"	0.05	22.4	0.032	3.08	1,382	1.991	15.5	1.29
9"	0.09	40.4	0.058	6.24	2,801	4.033	19.1	1.59
12"	0.35	157.1	0.226	16.13	7,239	10.425	30.0	2.50
18"	0.51	228.9	0.33	24.6	11,040	15.899	30.0	2.50
21"	0.58	261.8	0.377	28.81	12,929	18.619	30.0	2.50
24"	0.66	296.2	0.427	33.11	14,860	21.396	30.0	2.50
30"	0.81	365.6	0.527	41.69	18,709	26.942	30.0	2.50
36"	0.97	435.3	0.627	50.39	22,615	32.567	30.0	2.50
48"	1.26	565.5	0.814	67.93	30,487	43.904	30.0	2.50
60"	2.22	996.3	1.435	85.62	38,426	55.336	30.0	2.50
72"	2.63	1,180	1.7	103.5	46,451	66.892	30.0	2.50
84"	4.08	1,831	2.637	121.4	54,484	78.461	30.0	2.50
96"	4.62	2,073	2.986	139.5	62,608	90.159	30.0	2.50
120"	5.74	2,575	3.708	228.4	102,500	147.606	36.0	3.00
144"	7.93	3,560	5.127	346.97	155,720	224.246	42.0	3.50

PALMER-BOWLUS								
4"	0.008	3.6	0.005	0.123	55.2	0.079	3.00	0.25
6"	0.032	14.5	0.021	0.33	148.2	0.213	4.44	0.37
8"	0.053	23.6	0.034	0.476	213.5	0.307	4.92	0.41
10"	0.089	40.1	0.058	1.16	520.7	0.75	7.32	0.61
12"	0.138	61.9	0.089	1.82	817.0	1.177	8.76	0.73
15"	0.331	148.3	0.214	3.16	1,420	2.045	11.04	0.92
18"	0.533	239.4	0.345	5.06	2,271	3.271	13.20	1.10
21"	0.797	357.6	0.515	7.4	3,322	4.784	15.36	1.28
24"	1.126	505.3	0.728	10.3	4,622	6.656	17.52	1.46
30"	1.93	868	1.250	18.08	8,116	11.688	21.96	1.83
36"	3.10	1392	2.005	28.38	12,736	18.341	26.28	2.19