



**Trapezoidal / HS / H / HL / RBC  
Flume Typical  
Discharge Capacities**

770.664.6513 (V) 770.664.6565 (F)

Document: DIS-TRAP-H-RBC-T Rev.: 0 Date: 4-27-01 By: Jon Wachter

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

TRAPEZOIDAL								
Small	0.0002	0.09	0.00013	0.0958	43.00	0.062	4.08	0.34
Large	0.0002	0.09	0.00013	0.3473	155.87	0.2245	6.72	0.56
XL	0.0002	0.09	0.00012	1.4781	663.38	0.95531	12.00	1.00

HS-FLUMES								
0.4'	0.00016	0.07	0	0.0803	36.00	0.052	4.86	0.39
0.6'	0.00023	0.10	0	0.221	99.20	0.143	7.08	0.59
0.8'	0.00030	0.13	0	0.457	205.10	0.295	9.48	0.79
1.0'	0.00037	0.17	0	0.803	360.40	0.519	11.88	0.99

H-FLUMES								
0.5'	0.0004	0.18	0	0.331	148.60	0.214	5.88	0.49
0.75'	0.0006	0.27	0	0.957	429.50	0.619	9.00	0.75
1.0'	0.0007	0.31	0	1.92	861.70	1.241	11.88	0.99
1.5'	0.0011	0.49	0.001	5.33	2392.10	3.445	17.88	1.49
2.0'	0.0014	0.63	0.001	10.98	4927.80	7.096	23.88	1.99
2.5'	0.0018	0.81	0.001	19.2	8617.00	12.409	29.88	2.49
3.0'	0.0021	0.94	0.001	30.4	13643.50	19.648	35.88	2.99
4.5'	0.0031	1.39	0.002	84.0	37699.20	54.289	53.88	4.49

HI-FLUMES								
4.0'	0.005	2.24	0.003	117	52,509.6	75.617	48.00	4.00

RBC FLUMES								
50mm	0.0011	0.49	0.00071	0.0512	22.98	0.0331	1.92	0.16
75mm	0.0029	1.30	0.0019	0.1535	68.89	0.0992	3.00	0.25
100mm	0.0063	2.83	0.0041	0.3099	139.08	0.2003	3.96	0.33
150mm	0.0163	7.32	0.0105	0.8743	391.98	0.5645	6.00	0.50
200mm	0.0367	16.47	0.0237	1.7620	790.79	1.1388	7.92	0.66