

V-Shaped Trapezoidal Cutthroat Flume Tables

Free Flow Calibration Table for V-Shaped Trapezoidal Cutthroat Flume

Upper Head Ha FEET	Discharge Q/CFS	GPM
.010	0.007	3.14
.011	0.010	4.48
.012	0.012	5.39
.013	0.015	6.73
.014	0.018	8.08
.015	0.021	9.42
.016	0.025	11.22
.017	0.029	13.02
.018	0.033	14.81
.019	0.038	17.00
.020	0.044	19.75
.021	0.050	22.44
.022	0.056	25.13
.023	0.062	27.80
.024	0.069	30.97
.025	0.077	34.60
.026	0.085	38.15
.027	0.094	42.20
.028	0.103	46.23
.029	0.112	50.27
.030	0.120	53.85
.031	0.130	58.35
.032	0.140	62.84
.033	0.150	67.30
.034	0.170	76.30
.035	0.180	80.10
.036	0.190	85.28
.037	0.210	94.25
.038	0.220	98.74
.039	0.240	107.72

90 Degree V-Notch Trapezoidal Cutthroat Flume
Free Flow Rating Table for: $0.00 < h_a < 0.10$

ha (feet)	Discharge (cfs)	Discharge (gpm)
0.00	0.00000	0.0000
0.01	0.00002	0.0100
0.02	0.00013	0.0580
0.03	0.00036	0.1619
0.04	0.00075	0.3351
0.05	0.00131	0.5894
0.06	0.00208	0.9348
0.07	0.00308	1.3807
0.08	0.00431	1.9357
0.09	0.00581	2.6077