

Table A8-7. Free-flow discharge through 1-inch Parshall measuring flume in ft³/sec. Computed from the formula $Q=0.338h_a^{1.55}$.

Upper Head h_a , ft	Hundredths									
	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0.00	----	----	----	----	----	0.0033	0.0043	0.0055	0.0067	0.0081
0.10	0.0095	0.0110	0.0126	0.0143	0.0160	.0179	.0197	.0217	.0237	.0258
0.20	.028	.030	.032	.035	.037	.039	.042	.044	.047	.050
0.30	.052	.055	.058	.061	.063	.066	.069	.072	.075	.079
0.40	.082	.085	.088	.091	.095	.098	.101	.105	.108	.112
0.50	.115	.119	.123	.126	.130	.134	.138	.141	.145	.149
0.60	.153	.157	.161	.165	.169	.173	.178	.182	.186	.190

Table A8-8. Free-flow discharge through 2-inch Parshall measuring flume in ft³/sec. Computed from the formula $Q=0.676h_a^{1.55}$.

Upper Head h_a , ft	Hundredths									
	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0.00	----	----	----	----	----	0.0065	0.0086	0.0110	0.0135	0.0162
0.10	0.0191	0.0221	0.0253	0.0286	0.0321	.0357	.0395	.0434	.0474	.0515
0.20	.056	.060	.065	.069	.074	.079	.084	.089	.094	.099
0.30	.105	.110	.116	.121	.127	.133	.139	.145	.151	.157
0.40	.163	.170	.176	.183	.189	.196	.203	.210	.217	.224
0.50	.231	.238	.245	.253	.260	.268	.275	.283	.291	.298
0.60	.306	.314	.322	.330	.338	.347	.355	.363	.372	.380
0.70	.389	.398	.406	.415	.424	.433	.442	.451	.460	.469

Table A8-9. Free-flow discharge through 3-inch Parshall measuring flume in ft³/sec. Computed from the formula $Q=0.992h_a^{1.55}$.

Upper Head h_a , ft	Hundredths									
	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0.00	----	----	----	----	----	0.0095	0.0127	0.0161	0.0198	0.0237
0.10	0.0280	0.0324	0.0371	0.0420	0.0471	.0524	.0579	.0636	.0695	.0756
0.20	.082	.088	.095	.102	.109	.116	.123	.130	.138	.146
0.30	.153	.161	.170	.178	.186	.195	.204	.212	.221	.230
0.40	.240	.249	.259	.268	.278	.288	.298	.308	.318	.328
0.50	.339	.349	.360	.371	.382	.393	.404	.415	.426	.438
0.60	.449	.461	.473	.485	.497	.509	.521	.533	.546	.558
0.70	.571	.583	.596	.609	.622	.635	.648	.662	.675	.688
0.80	.702	.716	.729	.743	.757	.771	.785	.799	.814	.828
0.90	.843	.857	.872	.886	.901	.916	.931	.946	.961	.977
1.00	.992	1.007	1.023	1.039	1.054	1.070	1.086	1.102	1.118	1.134