



Discharge Table For 42" Parshall Flume

770.664.6513 (V) 770.664.6565 (F)

Document: PAR42-D-T Rev.: 1 Date: May 11, 2001 By: Jon Wachter

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
0.01	0.12			
0.02	0.24			
0.03	0.36			
0.04	0.48			
0.05	0.60			
0.06	0.72			
0.07	0.84			
0.08	0.96			
0.09	1.08			
0.10	1.20			
0.11	1.32			
0.12	1.44			
0.13	1.56			
0.14	1.68			
0.15	1.80			
0.16	1.92			
0.17	2.04			
0.18	2.16			
0.19	2.28			
0.20	2.40	1.11	500.2	0.720
0.21	2.52	1.20	540.1	0.778
0.22	2.64	1.29	581.0	0.837
0.23	2.76	1.39	623.1	0.897
0.24	2.88	1.48	666.2	0.959
0.25	3.00	1.58	710.4	1.023
0.26	3.12	1.68	755.6	1.088
0.27	3.24	1.79	801.8	1.155
0.28	3.36	1.89	849.0	1.223
0.29	3.48	2.00	897	1.292
0.30	3.60	2.11	946	1.363
0.31	3.72	2.22	996	1.435
0.32	3.84	2.33	1047	1.508
0.33	3.96	2.45	1099	1.583
0.34	4.08	2.57	1152	1.659
0.35	4.20	2.69	1206	1.736
0.36	4.32	2.81	1260	1.815
0.37	4.44	2.93	1316	1.895
0.38	4.56	3.06	1372	1.976
0.39	4.68	3.19	1429	2.059
0.40	4.80	3.31	1488	2.142
0.41	4.92	3.45	1546	2.227
0.42	5.04	3.58	1606	2.313
0.43	5.16	3.71	1667	2.400
0.44	5.28	3.85	1728	2.488
0.45	5.40	3.99	1790	2.578
0.46	5.52	4.13	1853	2.669
0.47	5.64	4.27	1917	2.760
0.48	5.76	4.41	1981	2.853
0.49	5.88	4.56	2047	2.947
0.50	6.00	4.71	2113	3.042

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
0.51	6.12	4.86	2180	3.139
0.52	6.24	5.01	2247	3.236
0.53	6.36	5.16	2315	3.334
0.54	6.48	5.31	2385	3.434
0.55	6.60	5.47	2454	3.534
0.56	6.72	5.63	2525	3.636
0.57	6.84	5.78	2596	3.739
0.58	6.96	5.94	2668	3.842
0.59	7.08	6.11	2741	3.947
0.60	7.20	6.27	2814	4.053
0.61	7.32	6.44	2888	4.159
0.62	7.44	6.60	2963	4.267
0.63	7.56	6.77	3039	4.376
0.64	7.68	6.94	3115	4.485
0.65	7.80	7.11	3192	4.596
0.66	7.92	7.28	3269	4.708
0.67	8.04	7.46	3347	4.820
0.68	8.16	7.63	3426	4.934
0.69	8.28	7.81	3506	5.049
0.70	8.40	7.99	3586	5.164
0.71	8.52	8.17	3667	5.281
0.72	8.64	8.35	3748	5.398
0.73	8.76	8.54	3831	5.516
0.74	8.88	8.72	3913	5.636
0.75	9.00	8.91	3997	5.756
0.76	9.12	9.09	4081	5.877
0.77	9.24	9.28	4166	5.999
0.78	9.36	9.47	4251	6.122
0.79	9.48	9.66	4337	6.246
0.80	9.60	9.86	4424	6.371
0.81	9.72	10.05	4511	6.496
0.82	9.84	10.25	4599	6.623
0.83	9.96	10.44	4687	6.750
0.84	10.08	10.64	4777	6.879
0.85	10.20	10.84	4866	7.008
0.86	10.32	11.04	4957	7.138
0.87	10.44	11.25	5048	7.269
0.88	10.56	11.45	5139	7.401
0.89	10.68	11.66	5231	7.533
0.90	10.80	11.86	5324	7.667
0.91	10.92	12.07	5417	7.801
0.92	11.04	12.28	5511	7.936
0.93	11.16	12.49	5606	8.072
0.94	11.28	12.70	5701	8.209
0.95	11.40	12.92	5796	8.347
0.96	11.52	13.13	5893	8.486
0.97	11.64	13.35	5989	8.625
0.98	11.76	13.56	6087	8.765
0.99	11.88	13.78	6185	8.906
1.00	12.00	14.00	6283	9.048

Source: United States Department of the Interior, Bureau of Reclamation, Water Measurement Manual, Third Edition, pp. A-17 - A-22, interpolation between 36" and 48".

This table is believed to be accurate, but is not warranted so.



Discharge Table For 42" Parshall Flume

770.664.6513 (V) 770.664.6906 (F)

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
1.01	12.12	14.22	6382	9.191
1.02	12.24	14.44	6482	9.334
1.03	12.36	14.67	6582	9.479
1.04	12.48	14.89	6683	9.624
1.05	12.60	15.12	6784	9.770
1.06	12.72	15.34	6886	9.916
1.07	12.84	15.57	6988	10.064
1.08	12.96	15.80	7091	10.212
1.09	13.08	16.03	7195	10.361
1.10	13.20	16.26	7299	10.511
1.11	13.32	16.50	7404	10.662
1.12	13.44	16.73	7509	10.813
1.13	13.56	16.97	7614	10.965
1.14	13.68	17.20	7721	11.118
1.15	13.80	17.44	7827	11.272
1.16	13.92	17.68	7935	11.427
1.17	14.04	17.92	8043	11.582
1.18	14.16	18.16	8151	11.738
1.19	14.28	18.40	8260	11.895
1.20	14.40	18.65	8369	12.052
1.21	14.52	18.89	8479	12.210
1.22	14.64	19.14	8590	12.370
1.23	14.76	19.39	8701	12.529
1.24	14.88	19.63	8812	12.690
1.25	15.00	19.88	8924	12.851
1.26	15.12	20.13	9037	13.013
1.27	15.24	20.39	9150	13.176
1.28	15.36	20.64	9263	13.339
1.29	15.48	20.89	9377	13.504
1.30	15.60	21.15	9492	13.669
1.31	15.72	21.41	9607	13.834
1.32	15.84	21.66	9722	14.001
1.33	15.96	21.92	9838	14.168
1.34	16.08	22.18	9955	14.336
1.35	16.20	22.44	10072	14.504
1.36	16.32	22.70	10190	14.674
1.37	16.44	22.97	10308	14.844
1.38	16.56	23.23	10426	15.014
1.39	16.68	23.50	10545	15.186
1.40	16.80	23.76	10665	15.358
1.41	16.92	24.03	10785	15.531
1.42	17.04	24.30	10905	15.704
1.43	17.16	24.57	11026	15.879
1.44	17.28	24.84	11148	16.054
1.45	17.40	25.11	11270	16.229
1.46	17.52	25.38	11392	16.405
1.47	17.64	25.66	11515	16.583
1.48	17.76	25.93	11639	16.760
1.49	17.88	26.21	11762	16.939
1.50	18.00	26.49	11887	17.118

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
1.51	18.12	26.76	12012	17.298
1.52	18.24	27.04	12137	17.478
1.53	18.36	27.32	12263	17.659
1.54	18.48	27.60	12389	17.841
1.55	18.60	27.89	12516	18.023
1.56	18.72	28.17	12643	18.207
1.57	18.84	28.46	12771	18.390
1.58	18.96	28.74	12899	18.575
1.59	19.08	29.03	13027	18.760
1.60	19.20	29.31	13156	18.946
1.61	19.32	29.60	13286	19.133
1.62	19.44	29.89	13416	19.320
1.63	19.56	30.18	13546	19.508
1.64	19.68	30.48	13677	19.696
1.65	19.80	30.77	13809	19.885
1.66	19.92	31.06	13940	20.075
1.67	20.04	31.36	14073	20.266
1.68	20.16	31.65	14205	20.457
1.69	20.28	31.95	14339	20.649
1.70	20.40	32.25	14472	20.841
1.71	20.52	32.55	14606	21.034
1.72	20.64	32.85	14741	21.228
1.73	20.76	33.15	14876	21.422
1.74	20.88	33.45	15011	21.617
1.75	21.00	33.75	15147	21.813
1.76	21.12	34.05	15283	22.009
1.77	21.24	34.36	15420	22.206
1.78	21.36	34.66	15557	22.404
1.79	21.48	34.97	15695	22.602
1.80	21.60	35.28	15833	22.801
1.81	21.72	35.59	15972	23.000
1.82	21.84	35.90	16111	23.200
1.83	21.96	36.21	16250	23.401
1.84	22.08	36.52	16390	23.603
1.85	22.20	36.83	16530	23.805
1.86	22.32	37.15	16671	24.007
1.87	22.44	37.46	16812	24.210
1.88	22.56	37.78	16954	24.414
1.89	22.68	38.09	17096	24.619
1.90	22.80	38.41	17238	24.824
1.91	22.92	38.73	17381	25.030
1.92	23.04	39.05	17524	25.236
1.93	23.16	39.37	17668	25.443
1.94	23.28	39.69	17812	25.651
1.95	23.40	40.01	17957	25.859
1.96	23.52	40.33	18102	26.068
1.97	23.64	40.66	18247	26.277
1.98	23.76	40.98	18393	26.487
1.99	23.88	41.31	18539	26.698
2.00	24.00	41.64	18686	26.909

Source: United States Department of the Interior, Bureau of Reclamation, Water Measurement Manual, Third Edition, pp. A-17 - A-22, interpolation between 36" and 48".

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**Discharge Table
For
42" Parshall Flume**

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
2.01	24.12	41.96	18833	27.121
2.02	24.24	42.29	18981	27.333
2.03	24.36	42.62	19129	27.546
2.04	24.48	42.95	19277	27.760
2.05	24.60	43.28	19426	27.974
2.06	24.72	43.62	19575	28.189
2.07	24.84	43.95	19725	28.405
2.08	24.96	44.28	19875	28.621
2.09	25.08	44.62	20025	28.837
2.10	25.20	44.96	20176	29.055
2.11	25.32	45.29	20327	29.273
2.12	25.44	45.63	20479	29.491
2.13	25.56	45.97	20631	29.710
2.14	25.68	46.31	20784	29.930
2.15	25.80	46.65	20936	30.150
2.16	25.92	46.99	21090	30.371
2.17	26.04	47.33	21244	30.592
2.18	26.16	47.68	21398	30.814
2.19	26.28	48.02	21552	31.037
2.20	26.40	48.37	21707	31.260
2.21	26.52	48.71	21863	31.483
2.22	26.64	49.06	22018	31.708
2.23	26.76	49.41	22174	31.933
2.24	26.88	49.76	22331	32.158
2.25	27.00	50.11	22488	32.384
2.26	27.12	50.46	22645	32.611
2.27	27.24	50.81	22803	32.838
2.28	27.36	51.16	22961	33.066
2.29	27.48	51.51	23120	33.294
2.30	27.60	51.87	23279	33.523
2.31	27.72	52.22	23438	33.752
2.32	27.84	52.58	23598	33.982
2.33	27.96	52.94	23758	34.213
2.34	28.08	53.29	23918	34.444
2.35	28.20	53.65	24079	34.676
2.36	28.32	54.01	24241	34.908
2.37	28.44	54.37	24402	35.141
2.38	28.56	54.73	24564	35.374
2.39	28.68	55.10	24727	35.608
2.40	28.80	55.46	24890	35.843
2.41	28.92	55.82	25053	36.078
2.42	29.04	56.19	25217	36.314
2.43	29.16	56.55	25381	36.550
2.44	29.28	56.92	25545	36.787
2.45	29.40	57.29	25710	37.024
2.46	29.52	57.65	25875	37.262
2.47	29.64	58.02	26041	37.500
2.48	29.76	58.39	26207	37.739
2.49	29.88	58.76	26373	37.979
2.50	30.00	59.14	26540	38.219

Source: United States Department of the Interior, Bureau of Reclamation, Water Measurement Manual, Third Edition, pp. A-17 - A-22, interpolation between 36" and 48".

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