



## Discharge Table For 60" Palmer-Bowlus Flume

770.664.6513 (V) 770.664.6565 (F)

Document: PB60-D-T Rev.: 0 Date: 3-20-00 By: Matt Kazmier

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
1.01	12.12	Best Results Within 0.23 D and 0.73 D		
1.02	12.24			
1.03	12.36			
1.04	12.48			
1.05	12.60			
1.06	12.72			
1.07	12.84			
1.08	12.96			
1.09	13.08			
1.10	13.20			
1.11	13.32			
1.12	13.44			
1.13	13.56			
1.14	13.68			
1.15	13.80	11.13	4993	7.191
1.16	13.92	11.31	5077	7.311
1.17	14.04	11.50	5161	7.432
1.18	14.16	11.69	5246	7.554
1.19	14.28	11.88	5331	7.677
1.20	14.40	12.07	5418	7.802
1.21	14.52	12.26	5504	7.927
1.22	14.64	12.46	5592	8.053
1.23	14.76	12.66	5680	8.180
1.24	14.88	12.85	5769	8.308
1.25	15.00	13.05	5858	8.436
1.26	15.12	13.25	5949	8.566
1.27	15.24	13.46	6039	8.697
1.28	15.36	13.66	6131	8.829
1.29	15.48	13.87	6223	8.961
1.30	15.60	14.07	6316	9.095
1.31	15.72	14.28	6409	9.230
1.32	15.84	14.49	6503	9.365
1.33	15.96	14.70	6598	9.502
1.34	16.08	14.91	6693	9.639
1.35	16.20	15.13	6789	9.777
1.36	16.32	15.34	6886	9.916
1.37	16.44	15.56	6984	10.06
1.38	16.56	15.78	7082	10.20
1.39	16.68	16.00	7180	10.34
1.40	16.80	16.22	7280	10.48
1.41	16.92	16.44	7379	10.63
1.42	17.04	16.67	7480	10.77
1.43	17.16	16.89	7581	10.92
1.44	17.28	17.12	7683	11.06
1.45	17.40	17.35	7786	11.21
1.46	17.52	17.58	7889	11.36
1.47	17.64	17.81	7993	11.51
1.48	17.76	18.04	8098	11.66
1.49	17.88	18.28	8203	11.81
1.50	18.00	18.51	8309	11.96

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
1.51	18.12	18.75	8415	12.12
1.52	18.24	18.99	8522	12.27
1.53	18.36	19.23	8630	12.43
1.54	18.48	19.47	8738	12.58
1.55	18.60	19.71	8847	12.74
1.56	18.72	19.96	8957	12.90
1.57	18.84	20.20	9067	13.06
1.58	18.96	20.45	9178	13.22
1.59	19.08	20.70	9290	13.38
1.60	19.20	20.95	9402	13.54
1.61	19.32	21.20	9515	13.70
1.62	19.44	21.45	9629	13.87
1.63	19.56	21.71	9743	14.03
1.64	19.68	21.97	9858	14.20
1.65	19.80	22.22	9974	14.36
1.66	19.92	22.48	10090	14.53
1.67	20.04	22.74	10207	14.70
1.68	20.16	23.00	10324	14.87
1.69	20.28	23.27	10442	15.04
1.70	20.40	23.53	10561	15.21
1.71	20.52	23.80	10680	15.38
1.72	20.64	24.06	10800	15.55
1.73	20.76	24.33	10921	15.73
1.74	20.88	24.60	11042	15.90
1.75	21.00	24.88	11164	16.08
1.76	21.12	25.15	11287	16.25
1.77	21.24	25.42	11410	16.43
1.78	21.36	25.70	11534	16.61
1.79	21.48	25.98	11658	16.79
1.80	21.60	26.26	11783	16.97
1.81	21.72	26.54	11909	17.15
1.82	21.84	26.82	12036	17.33
1.83	21.96	27.10	12163	17.51
1.84	22.08	27.38	12290	17.70
1.85	22.20	27.67	12419	17.88
1.86	22.32	27.96	12548	18.07
1.87	22.44	28.25	12677	18.26
1.88	22.56	28.54	12807	18.44
1.89	22.68	28.83	12938	18.63
1.90	22.80	29.12	13070	18.82
1.91	22.92	29.42	13202	19.01
1.92	23.04	29.71	13335	19.20
1.93	23.16	30.01	13468	19.40
1.94	23.28	30.31	13602	19.59
1.95	23.40	30.61	13737	19.78
1.96	23.52	30.91	13872	19.98
1.97	23.64	31.21	14008	20.17
1.98	23.76	31.52	14145	20.37
1.99	23.88	31.82	14282	20.57
2.00	24.00	32.13	14420	20.77



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LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
2.01	24.12	32.44	14558	20.96
2.02	24.24	32.75	14698	21.17
2.03	24.36	33.06	14837	21.37
2.04	24.48	33.37	14978	21.57
2.05	24.60	33.69	15119	21.77
2.06	24.72	34.00	15260	21.98
2.07	24.84	34.32	15403	22.18
2.08	24.96	34.64	15546	22.39
2.09	25.08	34.96	15689	22.59
2.10	25.20	35.28	15833	22.80
2.11	25.32	35.60	15978	23.01
2.12	25.44	35.93	16123	23.22
2.13	25.56	36.25	16270	23.43
2.14	25.68	36.58	16416	23.64
2.15	25.80	36.91	16564	23.85
2.16	25.92	37.24	16712	24.07
2.17	26.04	37.57	16860	24.28
2.18	26.16	37.90	17009	24.49
2.19	26.28	38.23	17159	24.71
2.20	26.40	38.57	17310	24.93
2.21	26.52	38.91	17461	25.14
2.22	26.64	39.24	17612	25.36
2.23	26.76	39.58	17765	25.58
2.24	26.88	39.92	17918	25.80
2.25	27.00	40.27	18071	26.02
2.26	27.12	40.61	18226	26.25
2.27	27.24	40.95	18381	26.47
2.28	27.36	41.30	18536	26.69
2.29	27.48	41.65	18692	26.92
2.30	27.60	42.00	18849	27.14
2.31	27.72	42.35	19006	27.37
2.32	27.84	42.70	19164	27.60
2.33	27.96	43.05	19323	27.83
2.34	28.08	43.41	19482	28.06
2.35	28.20	43.77	19642	28.29
2.36	28.32	44.12	19802	28.52
2.37	28.44	44.48	19964	28.75
2.38	28.56	44.84	20125	28.98
2.39	28.68	45.20	20288	29.22
2.40	28.80	45.57	20451	29.45
2.41	28.92	45.93	20614	29.69
2.42	29.04	46.30	20779	29.92
2.43	29.16	46.67	20943	30.16
2.44	29.28	47.03	21109	30.40
2.45	29.40	47.40	21275	30.64
2.46	29.52	47.78	21442	30.88
2.47	29.64	48.15	21609	31.12
2.48	29.76	48.52	21777	31.36
2.49	29.88	48.90	21946	31.60
2.50	30.00	49.28	22115	31.85

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
2.51	30.12	49.65	22285	32.09
2.52	30.24	50.03	22455	32.34
2.53	30.36	50.41	22626	32.58
2.54	30.48	50.80	22798	32.83
2.55	30.60	51.18	22970	33.08
2.56	30.72	51.57	23143	33.33
2.57	30.84	51.95	23317	33.58
2.58	30.96	52.34	23491	33.83
2.59	31.08	52.73	23666	34.08
2.60	31.20	53.12	23841	34.33
2.61	31.32	53.51	24017	34.59
2.62	31.44	53.91	24194	34.84
2.63	31.56	54.30	24371	35.10
2.64	31.68	54.70	24549	35.35
2.65	31.80	55.10	24728	35.61
2.66	31.92	55.50	24907	35.87
2.67	32.04	55.90	25086	36.13
2.68	32.16	56.30	25267	36.39
2.69	32.28	56.70	25448	36.65
2.70	32.40	57.11	25629	36.91
2.71	32.52	57.51	25812	37.17
2.72	32.64	57.92	25994	37.43
2.73	32.76	58.33	26178	37.70
2.74	32.88	58.74	26362	37.96
2.75	33.00	59.15	26547	38.23
2.76	33.12	59.56	26732	38.50
2.77	33.24	59.98	26918	38.76
2.78	33.36	60.39	27104	39.03
2.79	33.48	60.81	27292	39.30
2.80	33.60	61.23	27479	39.57
2.81	33.72	61.65	27668	39.84
2.82	33.84	62.07	27857	40.12
2.83	33.96	62.49	28046	40.39
2.84	34.08	62.92	28237	40.66
2.85	34.20	63.34	28427	40.94
2.86	34.32	63.77	28619	41.21
2.87	34.44	64.20	28811	41.49
2.88	34.56	64.63	29004	41.77
2.89	34.68	65.06	29197	42.05
2.90	34.80	65.49	29391	42.32
2.91	34.92	65.92	29585	42.60
2.92	35.04	66.36	29781	42.89
2.93	35.16	66.79	29976	43.17
2.94	35.28	67.23	30173	43.45
2.95	35.40	67.67	30370	43.73
2.96	35.52	68.11	30567	44.02
2.97	35.64	68.55	30766	44.30
2.98	35.76	68.99	30964	44.59
2.99	35.88	69.44	31164	44.88
3.00	36.00	69.88	31364	45.17



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## Discharge Table For 60" Palmer-Bowlus Flume

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
3.01	36.12	70.33	31565	45.45
3.02	36.24	70.78	31766	45.74
3.03	36.36	71.23	31968	46.04
3.04	36.48	71.68	32170	46.33
3.05	36.60	72.13	32373	46.62
3.06	36.72	72.59	32577	46.91
3.07	36.84	73.04	32781	47.21
3.08	36.96	73.50	32986	47.50
3.09	37.08	73.96	33192	47.80
3.10	37.20	74.42	33398	48.10
3.11	37.32	74.88	33605	48.39
3.12	37.44	75.34	33812	48.69
3.13	37.56	75.80	34020	48.99
3.14	37.68	76.27	34229	49.29
3.15	37.80	76.73	34438	49.59
3.16	37.92	77.20	34648	49.90
3.17	38.04	77.67	34858	50.20
3.18	38.16	78.14	35069	50.50
3.19	38.28	78.61	35281	50.81
3.20	38.40	79.08	35493	51.11
3.21	38.52	79.56	35706	51.42
3.22	38.64	80.02	35915	51.72
3.23	38.76	80.51	36134	52.03
3.24	38.88	80.99	36348	52.34
3.25	39.00	81.47	36564	52.65
3.26	39.12	81.95	36780	52.96
3.27	39.24	82.43	36996	53.28
3.28	39.36	82.92	37213	53.59
3.29	39.48	83.40	37431	53.90
3.30	39.60	83.89	37649	54.22
3.31	39.72	84.38	37868	54.53
3.32	39.84	84.87	38088	54.85
3.33	39.96	85.36	38308	55.17
3.34	40.08	85.85	38529	55.48
3.35	40.20	86.34	38750	55.80
3.36	40.32	86.84	38972	56.12
3.37	40.44	87.33	39195	56.44
3.38	40.56	87.83	39418	56.76
3.39	40.68	88.33	39642	57.09
3.40	40.80	88.83	39866	57.41
3.41	40.92	89.33	40091	57.73
3.42	41.04	89.83	40317	58.06
3.43	41.16	90.34	40543	58.38
3.44	41.28	90.84	40770	58.71
3.45	41.40	91.35	40997	59.04
3.46	41.52	91.86	41225	59.37
3.47	41.64	92.37	41454	59.70
3.48	41.76	92.88	41683	60.03
3.49	41.88	93.39	41913	60.36
3.50	42.00	93.90	42143	60.69

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
3.51	42.12	94.42	42374	61.02
3.52	42.24	94.93	42606	61.36
3.53	42.36	95.45	42838	61.69
3.54	42.48	95.97	43071	62.03
3.55	42.60	96.49	43305	62.36
3.56	42.72	97.01	43539	62.70
3.57	42.84	97.53	43773	63.04
3.58	42.96	98.06	44009	63.38
3.59	43.08	98.58	44245	63.72
3.60	43.20	99.11	44481	64.06
3.61	43.32	99.64	44718	64.40
3.62	43.44	100.2	44956	64.74
3.63	43.56	100.7	45194	65.08
3.64	43.68	101.2	45433	65.43
3.65	43.80	101.8	45673	65.77