

Submersible

Friction Loss per 100 Feet of Aluminum Drop Pipe (ft. TDH)

GPM	Pipe Size						
	2"	3"	4"	5"	6"	7"	8"
20	1.27	.15	.04				
30	2.58	.38	.08				
40	4.49	.56	.13	.04			
50	6.85	.85	.20	.07	.03		
60	9.67	1.21	.28	.09	.04		
70	12.95	1.67	.38	.12	.05		
80	16.70	2.06	.49	.16	.06	.03	
90	20.80	2.58	.60	.20	.08	.04	
100	25.40	3.18	.74	.24	.10	.05	.03
120		4.51	1.06	.34	.14	.07	.04
140		6.00	1.41	.46	.19	.07	.05
160		7.76	1.82	.59	.24	.11	.06
180		9.67	2.27	.73	.30	.14	.07
200		11.83	2.78	.89	.36	.17	.09
220		14.12	3.31	1.07	.44	.20	.11
240		16.72	3.91	1.27	.52	.24	.13
260		19.42	4.56	1.47	.60	.28	.15
280		22.40	5.26	1.71	.69	.33	.17
300		25.45	5.98	1.95	.79	.37	.19
350			8.03	2.59	1.05	.50	.26
400			10.36	3.33	1.35	.64	.33
450			12.90	4.15	1.69	.80	.41
500			15.73	5.07	2.06	.97	.50
550				6.16	2.50	1.18	.62
600				7.24	2.94	1.38	.72
650				8.42	3.41	1.62	.84
700				9.98	3.92	1.86	.97
750				11.05	4.46	2.11	1.10
800				12.48	5.03	2.38	1.24

Gallons per Minute (Approximate)

Horizontal Distance X	Pipe Size				
	2"	2-1/2"	3"	4"	5"
12"	42	60	93	159	250
14"	49	70	108	186	292
16"	56	80	123	212	334
18"	63	90	139	239	376
20"	70	100	154	266	417
22"	77	110	169	292	459
24"	84	120	185	318	501
26"	91	130	200	345	543
28"	98	140	216	372	585
30"	105	150	231	398	627

