POLYPUMP LIMITED
...pumping solutions
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PIPE RESISTANCE CHART

Pipe size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	3-1/2"	4"	5"	6"
Flow lt / min												
30	70	16.5	5.3	1.4	0.7	0.2						
40		28	9	2.3	1.2	0.3						
50		42	13	3.5	1.8	0.5	0.15					
60		58	18	5	3	0.7	0.2					
70		76	24	6.5	3	0.9	0.2	0.1				
80			30	8	4	1.2	0.3	0.16				
90			38	9	5	1.5	0.45	0.23				
100			46	11	6	2	0.5	0.2	0.12			
125			70	17	9	3	0.8	0.3	0.18	0.1		
150				25	12	4	1.2	0.5	0.2	0.14		
175				33	16	6	1.5	0.6	0.33	0.18		
200				42	21	7	2	1	0.4	0.2	0.08	
250				64	32	10	2.8	1.2	0.5	0.3	0.12	
300					45	14	4	2	1	0.45	0.17	
400					78	24	6.8	3	1.5	0.8	0.2	0.12
500						36	11	5	3	1.5	0.5	0.17

Bold numbers indicate extra head created by pipe resistance in metres per 100m run
E.g 300m of 1-1/2" pipe with 70 l/m flow. At 70 l/m, 1-1/2" pipe gives 3m extra head for every 100m of pipe.
Therefore 3 x 3m = 9m extra static head.