

Friction Loss in Hose

Loss in Pounds Per Square Inch For Each 100 Feet of Hose

Gallons of Water Per Minute	Single 1 1/2" Hose	Single 2 1/2" Hose	Single 3" Hose	Single 3 1/2" Hose
19	0.5			
20	1.7			
30	3.6			
40	6.1			
50	9.3			
60	13			
70	17			
80	22.5			
90	27.9			
100	33			
120	47			
140	63	5.2	2	0.9
160		6.6	2.6	1.2
180		8.3	3.2	1.5
200		10.1	3.9	1.8
220		12	4.6	2.1
240		14.1	5.4	2.5
260		16.4	6.3	2.9
280		18.7	7.2	3.3
300		21.2	8.2	3.7
320		23.8	9.3	4.2
340		26.9	10.5	4.7
360		30	11.5	5.2
380		33	12.8	5.8
400		36.2	14.1	6.3
425		40.8	15.7	7
450		45.2	17.5	7.9
475		50	19.3	8.7
500		55	21.2	9.5
525			23.2	10.5
550			25.2	11.4
575			27.5	12.4
600			29.9	13.4
625			32	14.4
650			34.5	15.5
675			37	16.6
700			39.5	17.7
750			45	20.1
800			50.5	22.7
850			56.5	25.4
900			63	28.2
1000			76.5	34.3