

Pressure Loss in Hose Chart

HOSE LENGTH AND INSIDE DIAMETER	FREE AIR C.F.M.	LINE PRESSURE - P.S.I.G.						
		60	80	100	120	150	200	300
50 FEET 3/4"	60	3.1	2.4	2	2.9	2.4	1.8	1.2
	80	5.3	4.2	3.5	4.5	3.6	2.8	1.9
	100	8.1	6.4	5.2				
	120		9	7.4	6.3	5.1	3.9	2.7
	140		12	9.9	8.4	6.9	5.3	3.6
	160			12.7	10.8	8.9	6.3	4.6
	180				13.6	11.1	8.5	5.8
	200				16.6	13.5	10.4	7.1
	220					16.2	12.4	8.4
50 FEET 1"	120	2.7	2.1	2.7	2.3	2.6	2	1.3
	150	4.1	3.2	3.8	3.2			
	180	5.8	4.6					
	210	7.7	6.1	5	4.3	3.5	2.7	1.8
	240		7.9	6.5	5.5	4.5	3.4	2.3
	270		9.8	8.1	6.9	5.6	4.3	2.9
	300		12	9.9	8.4	6.9	5.3	3.6
	330			11.8	10	8.2	6.3	4.3
	360			13.9	11.9	9.7	7.4	5
	390				13.8	11.3	8.7	5.9
420				15.9	13	10	6.8	
450					14.8	11.4	7.7	
50 FEET 1-1/4"	200	2.4	2.9	2.4	2	2.3	1.6	1.2
	250	3.7	4.1	3.4	2.9			
	300	5.2						
	350	7	5.5	4.5	3.8	3.1	2.4	1.6
	400	8.9	7	5.8	4.9	4	3.1	2.1
	450	9.8	7.3	6.2	5		3.9	2.6
	500		10.8	8.9	7.6	6.2	4.7	3.2
	550			10.7	9.1	7.4	5.7	3.9
	600			12.6	10.7	8.7	6.7	4.6
	650			14.6	12.4	10.2	7.8	5.3
	700				14.3	11.7	9	6.1
	750					13.3	10.2	6.9
	800					15	11.5	7.8
50 FEET 1-1/2"	300	2.1	2.9	2.4	2			
	400	3.7						
	500	5.6	4.4	3.7	3.1	2.5	1.9	1.3
	600	8	6.3	5.2	4.4	3.6	2.8	1.9
	700		8.5	7	5.9	4.9	3.7	2.5
	800		10.9	9	7.7	6.3	4.8	3.2
	900			11.2	9.5	7.8	6	4.1
	1000		13.6	11.6	9.5	7.3	4.9	
	1100				14	11.4	8.8	6
	1200					13.6	10.4	7.1
	1300					15.8	12.1	8.3