

PRESSURE LOSS IN HOSE
LUBRICATION ONLY AT TOOL – NO LINE LUBRICATOR

Hose Length and Inside Diameter	cfm Free Air	Line Pressure – psig						
		60	80	100	120	150	200	300
50 Feet 3/4"	60	3.1	2.4	2.0				
	80	5.3	4.2	3.5	2.9	2.4	1.8	1.2
	100	8.1	6.4	5.2	4.5	3.6	2.8	1.9
	120		9.0	7.4	6.3	5.1	3.9	2.7
	140		12.0	9.9	8.4	6.9	5.3	3.6
	160			12.7	10.8	8.9	6.8	4.6
	180				13.6	11.1	8.5	5.8
	200				16.6	13.5	10.5	7.1
	220					16.2	12.4	8.4
50 Feet 1"	120	2.7	2.1					
	150	4.1	3.2	2.7	2.3			
	180	5.8	4.6	3.8	3.2	2.6	2.0	1.3
	210	7.7	6.1	4.0	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		12.0	9.9	8.4	6.9	5.3	3.6
	330			11.8	10.0	8.2	6.3	4.3
	360			13.9	11.9	9.7	7.4	5.0
	390				13.8	11.3	8.7	5.9
	420				15.9	13.0	10.0	6.8
450					14.8	11.4	7.7	
50 Feet 1-1/4"	200	2.4						
	250	3.7	2.9	2.4	2.0			
	300	5.2	4.1	3.4	2.9	2.3	1.8	1.2
	350	7.0	5.5	4.5	3.8	3.1	2.4	1.6
	400	8.9	7.0	5.8	4.9	4.0	3.1	2.1
	450		8.8	7.3	6.2	5.0	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	5.7	4.6
	650			14.6	12.4	10.2	7.8	5.3
	700				14.3	11.7	9.0	6.1
	750					13.3	10.2	6.9
800					15.0	11.5	7.8	
50 Feet 1-1/2"	300	2.1						
	400	3.7	2.9	2.4	2.0			
	500	5.6	4.4	3.7	3.1	2.5	1.9	1.3
	600	8.0	6.3	5.2	4.4	3.6	2.8	1.9
	700		8.5	7.0	5.9	4.9	3.7	2.5
	800		10.9	9.0	7.7	6.3	4.8	3.2
	900			11.2	9.5	7.8	6.0	4.1
	1000			13.6	11.6	9.5	7.3	4.9
	1100				14.0	11.4	8.8	6.0
	1200					13.6	10.4	7.1
	1300					15.8	12.1	8.3

PRESSURE LOSS IN HOSE

LUBRICATION ONLY AT TOOL – NO LINE LUBRICATOR

Hose Length and Inside Diameter	cfm Free Air	Line Pressure – psig						
		60	80	100	120	150	200	300
50 Feet 2"	600	1.9						
	800	3.2	2.5	2.1				
	1000	5.0	3.9	3.2	2.7	2.2	1.7	1.1
	1200	7.0	5.5	4.5	3.8	3.1	2.4	1.6
	1400	9.3	7.4	6.1	5.2	4.2	3.2	2.2
	1600		9.6	7.9	6.7	5.5	4.2	2.8
	1800		12.1	9.9	8.4	6.9	5.3	3.6
	2000			12.2	10.4	8.5	6.5	4.4
	2200			14.6	12.5	10.2	7.8	5.3
	2400				14.7	12.0	9.2	6.3
	2600					14.1	10.8	7.3
2800					16.2	12.4	8.5	
50 Feet 2-1/2"	1000	1.7						
	1500	3.7	2.9	2.4	2.0			
	2000	6.5	5.1	4.2	3.6	2.9	2.2	1.5
	2500	10.0	7.9	6.5	5.5	4.5	3.4	2.3
	3000		11.2	9.3	7.9	6.4	4.9	3.3
	3500			12.4	10.6	8.7	6.6	4.5
	4000				13.7	11.2	8.6	5.8
	4500					14.0	10.7	7.3
50 Feet 3"	2000	2.5	2.0					
	2500	3.9	3.0	2.5	2.1			
	3000	5.5	4.4	3.6	3.1	2.5	1.9	1.3
	3500	7.5	5.9	4.9	4.1	3.4	2.6	1.7
	4000	9.8	7.6	6.3	5.3	4.4	3.3	2.3
	4500		9.6	7.9	6.7	5.5	4.2	2.8
	5000		11.7	9.6	8.2	6.7	5.3	3.5
	5500			11.5	9.8	8.0	6.1	4.2
	6000			13.6	11.5	9.4	7.2	4.9
	6500				13.5	11.0	8.4	5.7
	7000				15.6	12.7	9.8	6.6
7500					14.5	11.1	7.6	
25 Feet 4"	5000	1.9						
	6000	2.7	2.1	1.7				
	7000	3.6	2.8	2.3	2.0		1.2	
	8000	4.7	3.7	3.0	2.6	2.1	1.6	
	9000	5.9	4.6	3.8	3.2	2.6	2.0	
	1000	7.2	5.7	4.7	4.0	3.2	2.5	
	11000	8.7	6.8	5.6	4.8	3.9	3.0	
	12000		8.1	6.7	5.7	4.6	3.5	
	13000		9.4	7.8	6.6	5.4	4.1	
	14000			9.0	7.6	6.2	4.8	
	15000				8.7	7.1	5.4	
	16000				9.8	8.0	6.2	
	17000					9.1	6.9	