

TABLE FOR SIZING COMPRESSED AIR PIPING
 BASED ON FREE AIR DELIVERY AT 50 P.S.I.G

NOMINAL PIPE SIZE INCHES										
AIR FLOW CFM	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"	2.1/2"	3"	4"
	PRESSURE DROP PER 100 FT.OF PIPE. PSI									
2	0.16	0.05								
4	0.65	0.20								
6	1.45	0.38	0.05							
8	3.90	0.81	0.09							
10		1.28	0.14							
12		1.83	0.22	0.05						
14		2.53	0.29	0.07						
16		3.20	0.37	0.09						
18			0.48	0.11						
20			0.58	0.13	0.04					
25			0.90	0.21	0.07					
30			1.30	0.31	0.10					
35			1.80	0.41	0.13					
40			2.30	0.54	0.17	0.07				
50			3.60	0.85	0.26	0.11				
60				1.25	0.38	0.16				
70				1.70	0.53	0.22	0.05			
80				2.20	0.68	0.28	0.06			
90				2.80	0.86	0.36	0.08			
100				3.40	1.15	0.44	0.10			
125					1.65	0.68	0.17	0.05		
150					2.38	0.97	0.23	0.07		
175					3.30	1.35	0.31	0.10		
200						1.75	0.40	0.13		

NOTE:

AIR MOVING THROUGH THE SYSTEM IS COMPRESSED AND NOT FREE AIR
 1 CFM FREE AIR IS EQUAL TO 0.227 CFM COMPRESSED AIR AT 50 P.S.I.G