

Table of allowable total equivalent length in feet for 0.1psi pressure drop. Compressor intake or Vacuum discharge													
	use density .074 lbm.ft ³	visc .024 cp						inlet 14.7 psia					250 F vacuum exhaust (will result in slightly better pressure drop for compressor inlet)
SCh 40 Pipe Size (nominal ID, inches)													
SCFM Flow	1 (1.05)	1.25 (1.38)	1.5 (1.61)	2 (2.07)	2.5 (2.47)	3 (3.07)	3.5 (3.55)	4 (4.03)	5 (5.05)	6 (6.07)	8 (7.98)		
10	55	190	388										
20	16	51	110	385									
30			53	185	450								
40				109	250								
50				74	165	500							
60				53	115	330							
70					85	249	560						
80					65	185	400						
90					52	150	315						
100						122	259	550					
150						64	130	250	780				
200							83	150	475				
250							57	102	300				
300								75	218	550			
350								57	170	440			
400									130	325			
450									105	265			
500									88	215	800		
550									75	185	685		
600									65	160	600		

Based on maximum back pressure of 0.1 psi (For increased allowable pressure drop consult factory) See <http://www.pressure-drop.com/Online-Calculator/index.html> for calculation method
variables used as shown top of chart

Equivalent straight length in feet for fittings:		
Pipe size (in)	For 90 degree elbow, cross, or tee	For 45 degree elbow
1	2.5	1.25
1.25	3	1.5
1.5	3.75	1.8
2	5	2.5
2.5	6.25	3.1
3	7.5	3.8
3.5	8.75	4.4
4	10	5
5	12.5	6.25
6	15	7.5
8	20	10