

Medium Pressure Layflat Hose Friction Loss and Velocity per GPM Flow

GPM	2"		3"		4"		6"		8"	
	PSI/100	f/s	PSI/100	f/s	PSI/100	f/s	PSI/100	f/s	PSI/100	f/s
10	0.10	0.93								
20	0.32	1.87	0.05	0.87						
30	0.66	2.80	0.11	1.30						
40	1.08	3.74	0.17	1.73	0.04	0.96				
50	1.60	4.67	0.26	2.16	0.06	1.20				
60	2.20	5.60	0.35	2.60	0.09	1.44				
70	2.89	6.54	0.46	3.03	0.11	1.67				
80	3.65	7.47	0.59	3.46	0.14	1.91				
90			0.72	3.90	0.18	2.15	0.03	0.97		
100			0.87	4.33	0.21	2.39	0.03	1.08		
110			1.02	4.76	0.25	2.63	0.04	1.18		
120			1.19	5.19	0.29	2.87	0.04	1.29		
130			1.37	5.63	0.34	3.11	0.05	1.40		
140			1.56	6.06	0.378	3.35	0.06	1.51		
150			1.76	6.49	0.43	3.59	0.06	1.61		
160			1.97	6.93	0.48	3.83	0.07	1.72	0.02	0.98
170					0.54	4.07	0.08	1.83	0.02	1.04
180					0.59	4.31	0.09	1.94	0.02	1.11
190					0.65	4.54	0.10	2.04	0.03	1.17
200					0.71	4.78	0.11	2.15	0.03	1.23
225					0.88	5.38	0.13	2.42	0.03	1.38
250					1.05	5.98	0.16	2.69	0.04	1.54
275					1.24	6.58	0.19	2.96	0.05	1.69
300					1.45	7.18	0.22	3.23	0.06	1.84
325							0.25	3.49	0.07	2.00
350							0.28	3.76	0.08	2.15
375							0.32	4.03	0.08	2.30
400							0.36	4.30	0.09	2.46

450							0.44	4.84	0.12	2.76
500							0.53	5.38	0.14	3.07
550							0.63	5.91	0.17	3.38
600							0.73	6.45	0.19	3.69
650							0.84	6.99	0.22	3.99
700									0.25	4.30
750									0.29	4.61
800									0.32	4.91
900									0.39	5.53
1000									0.47	6.14
1100									0.56	6.76
1200									0.65	7.37

Please Note: Values in highlighted colors are considered marginal and not recommended as safe because of velocity over 5 f/s.