

P.S.I. Loss per Section of Hose (1/8 mile or 660ft.)

Hose Size →		4.5		5		5.5		6		7		8		10		12	
		PSI loss	FT/S	PSI loss	FT/S	PSI loss	FT/S	PSI loss	FT/S	PSI loss	FT/S	PSI loss	FT/S	PSI loss	FT/S	PSI loss	FT/S
Gallons per minute	800	39	16	23	13	14	10	9	9	4	6	2	5	0	3	0	2
	1000	59	20	35	16	22	13	14	11	6	8	3	6	1	4	0	2
	1250	89	25	53	20	33	16	22	14	10	10	5	7	1	5	0	3
	1500	125	30	74	24	47	20	30	17	14	12	7	9	2	6	1	4
	1750	166	35	99	28	62	23	41	19	19	14	10	11	3	7	1	4
	2000	213	40	127	32	80	27	52	22	24	16	12	12	4	8	1	5
	2250	265	45	158	36	99	30	65	25	30	18	16	14	5	9	2	6
	2500	322	50	193	40	121	33	79	28	37	20	19	15	6	10	2	7
	2750	384	55	230	44	144	37	94	31	44	22	23	17	7	11	3	7
	3000	451	60	270	49	170	40	111	34	52	25	27	19	9	12	3	8
	3250	524	65	313	53	197	43	129	36	61	27	31	20	10	13	4	9
	3500	601	70	360	57	226	47	148	39	70	29	36	22	12	14	5	9
	3750	683	75	409	61	257	50	168	42	79	31	41	23	14	15	5	10
	4000	769	80	461	65	290	54	189	45	89	33	46	25	15	16	6	11
	4250	861	85	515	69	324	57	212	48	100	35	52	27	17	17	7	12
	4500	957	90	573	73	360	60	236	51	111	37	58	28	19	18	8	12
4750	1058	95	633	77	398	64	261	53	123	39	64	30	21	19	8	13	
5000	1164	100	697	81	438	67	287	56	135	41	70	31	23	20	9	14	

Velocity (Feet per second) is very important. Sand doesn't flow below 13 FT/S. Never forget this !