

Flow Capacity of Pipe (GPM) – Steel Pipe

3/8 inch

Pressure at Source (PSI)	Length of Pipe in Feet									
	20	40	60	80	100	120	140	160	180	200
10	5	3	3	2	2	2	-	-	-	
20	9	5	4	3	3	3	2	2	2	2
30	0	6	5	4	4	3	3	3	3	2
40	-	8	6	5	4	4	4	3	3	3
50	-	9	7	6	5	4	4	3	3	3
60	-	9	7	6	6	5	5	4	4	4
70	-	10	8	7	6	6	5	5	4	4
80	-	-	8	7	7	6	5	5	5	4

1/2 inch

Pressure at Source (PSI)	Length of Pipe in Feet									
	20	40	60	80	100	120	140	160	180	200
10	10	8	5	5	4	3	3	3	3	3
20	14	10	8	6	6	5	5	4	4	4
30	18	12	10	8	8	7	6	6	5	5
40	20	14	11	10	10	8	7	7	6	6
50	-	16	13	11	11	9	8	7	7	7
60	-	18	14	12	12	10	9	9	8	7
70	-	-	15	13	12	11	10	9	8	8
80	-	-	-	-	-	-	-	-	-	-

3/4 inch

Pressure at Source (PSI)	Length of Pipe in Feet									
	20	40	60	80	100	120	140	160	180	200
10	22	14	12	10	8	7	6	6	6	6
20	30	22	18	14	12	12	11	10	10	8
30	38	26	22	18	16	14	13	12	12	10
40	-	30	24	21	19	17	16	16	15	13
50	-	34	28	24	21	19	18	17	16	15
60	-	38	31	26	23	21	20	19	18	17
70	-	-	34	29	25	23	22	21	19	18
80	-	-	36	30	27	24	23	22	21	20

1 inch

Pressure at Source (PSI)	Length of Pipe in Feet									
	20	40	60	80	100	120	140	160	180	200
10	40	28	22	18	16	15	14	13	12	11
20	55	40	32	27	24	22	20	19	18	16
30	70	50	40	34	30	27	25	23	22	20
40	80	58	45	40	35	32	29	27	25	24
50	-	65	57	45	40	36	33	31	29	27
60	-	70	58	50	44	40	36	34	32	30
70	-	76	63	54	45	42	40	37	34	32
80	-	-	65	57	47	43	39	37	35	33