

Pipe Diameter Sizing Chart Discharge In Gallons Per Minute

To use the chart below, simply find the pressure in pounds that your flow figures were tested at in the left hand column.



All formulas for finding the amount of water that will flow through a pipe in a given time are approximate. The formula used below will give results within 5 to 10% of actual results if applied to pipe lines carefully laid and in a fair condition. To use the chart below, simply find the pressure in pounds that your flow figures were tested at in the left hand column. Then follow the line over to the right until you reach the number of gallons per minute under the correct diameter of pipe being used.

Pressure in Pounds	Diameter of pipe in inches and corresponding G.P.M discharge							
	1/2 in	3/4 in	1 in	1 ¼ in	1 ½ in	2 in	2 ½ in	3 in
20	4.74	12.85	26.27	45.54	72	147	253	397
30	5.75	15.82	33.79	56.97	90	181	310	488
40	6.66	18.63	38.14	66.42	104	209	362	562
50	7.43	20.83	42.70	74.28	116	234	405	633
60	8.35	22.98	47.06	81.30	127	257	443	688
70	9.04	25.17	50.83	87.84	137	278	479	745
80	10.35	28.22	57.64	99.66	150	297	514	798
90	10.88	29.75	60.81	105.60	164	332	574	893
100	11.25	31.95	63.72	110.10	172	348	601	937
110	11.92	32.59	66.54	115.20	180	364	628	978
120	12.41	34.66	69.24	119.70	187	380	654	1008