

Pipe Sizing Chart for Natural Gas

The chart below is based on gas pressure in the range 0-0.5 psi, specific gravity of 0.6, and pressure loss of 0.5" WC. Numbers are for straight schedule 40 pipe; fittings further reduce capacity. For example, in 1" size, an elbow is equivalent to about 2.6 feet of pipe, and a tee is equivalent to about 5.2 feet of pipe.

**Maximum capacity of pipe in cubic feet/hr of natural gas
(Multiply values by 1000 to get nominal Btu/hr capacity.)**

Length of pipe (ft)	Iron pipe size				
	3/4"	1"	1-1/4"	1-1/2"	2"
10	360	680	1400	2100	3950
20	250	465	950	1460	2750
30	200	375	770	1180	2200
40	170	320	660	990	1900
50	151	285	580	900	1680
60	138	260	530	810	1520
70	125	240	490	750	1400
80	118	220	460	690	1300
90	110	205	430	650	1220
100	103	195	400	620	1150
150	84	160	325	500	950
200	72	135	280	430	800