

### Size of Gas Piping

Maximum Delivery Capacity of Cubic Feet of Gas Per Hour of IPS Pipe Carrying  
Natural Gas of 0.60 Specific Gravity Based on Pressure Drop of 0.5 Inch Water Column

Pipe Size, Inches	Length in Feet										
	10	20	30	40	50	60	70	80	90	100	125
1/2	174	119	96	82	73	66	61	56	53	50	44
3/4	363	249	200	171	152	138	127	118	111	104	93
1	684	470	377	323	286	259	239	222	208	197	174
1-1/4	1404	965	775	663	588	532	490	456	428	404	358
1-1/2	2103	1445	1161	993	880	798	734	683	641	605	536
2	4050	2784	2235	1913	1696	1536	1413	1315	1234	1165	1033
2-1/2	6455	4437	3563	3049	2703	2449	2253	2096	1966	1857	1646
3	11,412	7843	6299	5391	4778	4329	3983	3705	3476	3284	2910
3-1/2	16,709	11,484	9222	7893	6995	6338	5831	5425	5090	4808	4261
4	23,277	15,998	12,847	10,995	9745	8830	8123	7557	7091	6698	5936
	150	200	250	300	350	400	450	500	550	600	
1/2	40	34	30	28	25	24	22	21	20	19	
3/4	84	72	64	58	53	49	46	44	42	40	
1	158	135	120	109	100	93	87	82	78	75	
1-1/4	324	278	246	223	205	191	179	169	161	153	
1-1/2	486	416	369	334	307	286	268	253	241	230	
2	936	801	710	643	592	551	517	488	463	442	
2-1/2	1492	1277	1131	1025	943	877	823	778	739	705	
3	2637	2257	2000	1812	1667	1551	1455	1375	1306	1246	
3-1/2	3861	3304	2929	2654	2441	2271	2131	2013	1912	1824	
4	5378	4603	4080	3697	3401	3164	2968	2804	2663	2541	

*MBH = x1000*

*Natural Gas = 1,000 BTU per Cubic Foot*

**TABLE 12-3 (Metric)**  
**Size of Gas Piping**

Maximum Delivery Capacity in Liters Per Second of IPS Pipe Carrying  
Natural Gas of 0.60 Specific Gravity Based on Pressure Drop of 12.7 mm Water Column

Pipe Size, mm	Length in mm										
	914	1829	2743	3719	4633	5547	6492	7315	8352	9266	11582
15	1.4	0.9	0.8	0.6	0.6	0.5	0.5	0.4	0.4	0.4	0.3
20	2.9	2.0	1.6	1.3	1.2	1.1	1.0	0.9	0.9	0.8	0.7
25	5.4	3.7	3.0	2.5	2.3	2.0	1.9	1.7	1.6	1.5	1.4
32	11.0	7.6	6.1	5.2	4.6	4.2	3.9	3.6	3.4	3.2	2.8
40	16.5	11.4	9.1	7.8	6.9	6.3	5.8	5.4	5.0	4.8	4.2
50	31.9	21.9	17.6	15.1	13.3	12.1	11.1	10.3	9.7	9.2	8.1
65	50.8	34.9	28.0	24.0	21.3	19.3	17.7	16.5	15.5	14.6	13.0
80	89.8	61.7	49.6	42.4	37.6	34.1	31.3	29.1	27.3	25.8	22.9
90	131.4	90.3	72.5	62.1	55.0	49.9	45.9	42.7	40.0	37.8	33.5
100	183.1	125.9	101.1	86.5	76.7	69.5	63.9	59.5	55.8	52.7	46.7
	13899	18532	23165	27798	32431	37064	41697	46330	50963	55596	
15	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	
20	0.7	0.6	0.6	0.5	0.4	0.4	0.4	0.3	0.3	0.3	
25	1.2	1.1	0.9	0.9	0.8	0.7	0.7	0.6	0.6	0.6	
32	2.6	2.2	1.9	1.8	1.6	1.5	1.4	1.3	1.3	1.2	
40	3.8	3.3	2.9	2.6	2.4	2.2	2.1	2.0	1.9	1.8	
50	7.4	6.3	5.6	5.1	4.7	4.3	4.1	3.8	3.6	3.5	
65	11.7	10.0	8.9	8.1	7.4	6.9	6.5	6.1	5.8	5.5	
80	20.7	17.8	15.7	14.3	13.1	12.2	11.4	10.8	10.3	9.8	
90	30.4	26.0	23.0	20.9	19.2	17.9	16.8	15.8	15.0	14.3	
100	42.3	36.2	32.1	29.1	26.8	24.9	23.4	22.1	21.0	20.0	