

TABLE 12-7 Schedule 40 Metallic Pipe [NFPA 54: Table 6.2(b)]

										Gas:		Natural		
										Inlet Pressure:		Less than 0.138bar		
										Pressure Drop:		12.7mm w.c.		
										Specific Gravity:		0.6		
	Pipe Size (mm)													
DN:	15	20	25	32	40	50	65	80	100	125	150	200	250	300
Length (m)	Capacity in m³/h													
3	4.9	10.2	19.2	39.4	59.2	113.8	181.2	319.9	654.0	1,183.4	1,913.8	3,935.1	7,134.1	11,295.7
6	3.3	7.0	13.2	27.1	40.5	78.1	124.6	220.3	450.1	812.5	1,316.4	2,703.6	4,897.6	7,785.3
9	2.7	5.6	10.6	21.7	32.6	62.8	99.9	176.9	359.5	651.1	1,056.0	2,171.4	3,935.1	6,228.2
12	2.3	4.8	9.1	18.6	27.9	53.8	85.5	151.5	308.6	557.7	903.1	1,857.1	3,368.9	5,350.6
15	2.0	4.3	8.0	16.5	24.7	47.6	75.9	134.2	273.5	495.4	801.2	1,647.6	3,000.9	4,727.8
18	1.8	3.9	7.3	14.9	22.4	43.0	68.8	121.4	248.0	447.3	724.7	1,491.9	2,709.3	4,303.1
21	1.7	3.6	6.7	13.8	20.6	39.6	63.1	111.8	227.9	413.3	668.1	1,373.0	2,494.1	3,935.1
24	1.6	3.3	6.2	12.8	19.2	36.8	58.9	103.9	203.5	385.0	622.8	1,276.8	2,318.6	3,680.3
27	1.5	3.1	5.9	12.0	18.0	34.5	55.2	97.7	199.0	359.5	583.2	1,197.5	2,177.0	3,453.8
30	1.4	2.9	5.5	11.3	17.0	32.8	52.1	92.3	188.0	339.7	552.0	1,132.4	2,055.3	3,255.7
38	1.2	2.6	4.9	10.1	15.1	28.9	46.1	81.8	166.7	300.1	486.9	1,002.2	1,820.3	2,887.6
45	1.1	2.3	4.4	9.1	13.6	26.3	41.9	73.9	150.9	273.2	441.6	908.8	1,650.5	2,613.0
53	1.0	2.2	4.1	8.4	12.5	24.2	38.5	68.2	139.0	251.4	407.7	835.1	1,517.4	2,403.5
60	1.0	2.0	3.8	7.8	11.7	22.5	36.0	63.4	129.1	233.8	379.4	778.5	1,412.7	2,236.5
75	0.8	1.8	3.4	6.9	10.4	19.9	31.7	56.1	114.7	207.2	336.9	687.9	1,251.3	1,981.7
90	0.8	1.6	3.1	6.3	9.4	18.1	28.9	51.0	103.9	187.7	302.9	625.7	1,135.2	1,794.9
105	0.7	1.5	2.8	5.7	8.6	16.6	26.5	46.7	95.4	172.7	279.7	574.7	1,044.6	1,653.3
120	0.7	1.4	2.6	5.4	8.0	15.5	24.6	43.6	88.9	160.8	260.2	535.1	971.0	1,537.2
135	0.6	1.3	2.4	5.0	7.5	14.5	23.1	40.8	83.2	150.9	244.0	501.1	911.6	1,441.0
150	0.6	1.2	2.3	4.8	7.1	13.7	21.8	38.5	78.7	142.4	230.7	472.8	860.6	1,361.7
165	0.6	1.2	2.2	4.5	6.8	13.0	20.7	36.5	74.7	135.3	219.1	450.1	818.2	1,293.8
180	0.5	1.1	2.1	4.3	6.5	12.4	19.8	35.1	71.3	129.1	208.9	430.3	778.5	1,234.3
195	0.5	1.1	2.0	4.1	6.2	11.9	18.9	33.4	68.2	123.4	200.2	410.5	747.4	1,183.4
210	0.5	1.0	1.9	4.0	5.9	11.4	18.2	32.3	65.7	118.6	192.2	396.3	716.2	1,135.2
225	0.5	1.0	1.9	3.8	5.7	11.0	17.5	30.9	63.1	114.4	185.1	379.4	690.8	1,092.8
240	0.5	1.0	1.8	3.7	5.5	10.6	16.9	30.0	61.1	110.4	178.9	368.0	668.1	1,056.0
255	0.5	0.9	1.7	3.6	5.4	10.3	16.4	28.9	59.2	107.0	173.0	356.7	645.5	1,022.0
270	0.4	0.9	1.7	3.5	5.2	10.0	15.9	28.1	57.2	103.6	167.9	345.4	625.7	990.9
285	0.4	0.9	1.6	3.3	5.0	9.7	15.4	27.3	55.5	100.5	163.1	334.1	608.7	962.5
300	0.4	0.8	1.6	3.3	4.9	9.4	15.0	26.5	54.1	98.0	158.5	325.6	591.7	937.1
330	0.4	0.8	1.5	3.1	4.6	8.9	14.2	25.2	51.2	92.9	0.2	308.6	560.5	888.9
360	0.4	0.8	1.4	2.9	4.4	8.5	13.6	24.0	49.0	88.6	143.5	294.4	535.1	849.3
390	0.3	0.7	1.4	2.8	4.2	8.2	13.0	23.0	47.0	84.9	137.6	282.5	512.4	812.5
420	0.3	0.7	1.3	2.7	4.1	7.8	12.5	22.1	45.0	81.5	132.2	271.5	492.6	781.4
450	0.3	0.7	1.3	2.6	3.9	7.6	12.1	21.3	43.3	78.7	127.4	261.6	475.6	753.0
480	0.3	0.7	1.2	2.5	3.8	7.3	11.6	20.6	41.9	75.9	122.9	252.5	458.6	724.7
510	0.3	0.6	1.2	2.4	3.7	7.1	11.3	19.9	40.5	73.3	118.9	244.3	444.5	702.1
540	0.3	0.6	1.2	2.4	3.6	6.9	10.9	19.3	39.4	71.3	115.2	237.0	430.3	682.3
570	0.3	0.6	1.1	2.3	3.5	6.7	10.6	18.7	38.2	69.1	112.1	230.2	419.0	662.5
600	NA	0.6	1.1	2.2	3.4	6.5	10.3	18.2	37.1	67.4	109.0	223.9	407.7	642.6

NA means a flow of less than 0.3 m³/h.**Note:** All table entries are rounded to 3 significant digits.SI: 1m = 3.3 ft.; 1mm = 0.04 in.; 1m³ = 33.3 ft.³; 1bar = 14.5 psi