

**Table 12-9 Schedule 40 Metallic Pipe [NFPA 54: Table 6.2(d)]**

							Gas: Natural		
							Inlet Pressure: Less than 0.207bar		
							Pressure Drop: 0.138bar		
							Specific Gravity: 0.6		
	Pipe Size (mm)								
DN:	15	20	25	32	40	50	65	80	100
Length (m)	Capacity in m³/h								
3	66.5	139.3	262.4	537.9	806.8	1554.2	2477.1	4388.1	8946.0
6	45.9	95.7	180.3	370.9	554.9	1067.3	1701.4	3000.9	6143.3
9	36.8	77.0	144.7	297.3	444.5	857.8	1367.4	2417.7	4925.9
12	31.4	65.7	124.0	254.5	382.2	733.2	1169.2	2069.5	4218.2
15	27.9	58.3	109.8	225.6	336.9	651.1	1036.1	1834.5	3736.9
18	25.3	52.9	99.7	204.4	305.7	588.8	939.9	1661.8	3397.2
21	23.2	48.7	91.4	188.0	281.7	543.6	863.5	1528.7	3114.1
24	21.6	45.3	85.2	175.0	262.2	503.9	804.0	1421.2	2887.6
27	20.3	42.5	79.8	164.2	245.7	472.8	755.9	1333.4	2720.6
30	19.2	40.2	75.6	154.9	232.1	447.3	713.4	1259.8	2570.5
38	17.0	35.4	66.8	137.3	205.8	396.3	631.3	1118.2	2279.0
45	15.4	32.3	60.6	124.6	186.6	359.5	571.9	1010.7	2063.8
53	14.2	29.7	55.8	114.4	171.6	331.2	526.6	931.4	1899.6
60	13.2	27.5	51.8	106.4	159.7	308.6	489.8	866.3	1766.5
75	11.7	24.4	45.9	94.3	141.6	272.3	433.1	767.2	1565.5
90	10.6	22.1	41.6	85.5	128.2	246.9	393.5	696.4	1418.3
105	9.7	20.4	38.2	78.7	118.1	227.0	362.4	639.8	1305.1
120	9.1	18.9	35.7	73.3	109.6	211.2	336.9	594.5	1214.5
135	8.5	17.8	33.4	68.8	103.0	198.2	317.1	557.7	1138.1
150	8.0	16.8	31.7	64.8	97.1	187.1	297.3	526.6	1075.8
165	7.6	15.9	30.0	61.7	92.3	177.8	283.1	501.1	1022.0
180	7.3	15.2	28.6	58.9	88.0	169.6	270.4	478.4	973.9
195	7.0	14.6	27.4	56.3	84.4	162.5	259.0	458.6	934.2
210	6.7	14.0	26.4	54.1	81.0	156.0	248.8	438.8	897.4
225	6.5	13.5	25.4	52.1	78.1	150.3	239.8	424.7	863.5
240	6.2	13.0	24.5	50.4	75.3	145.2	231.6	410.5	835.1
255	6.0	12.6	23.7	48.7	73.0	140.4	223.9	396.3	806.8
270	5.8	12.2	23.0	47.3	70.8	136.2	217.1	385.0	784.2
285	5.7	11.9	22.3	45.9	68.8	132.2	210.9	373.7	761.5
300	5.5	11.5	21.7	44.7	66.8	128.8	205.0	362.4	738.9
330	5.2	11.0	20.6	42.5	63.4	122.3	195.1	345.4	702.1
360	5.0	10.4	19.7	40.5	60.6	116.6	186.0	328.4	670.9
390	4.8	10.0	18.9	38.8	58.0	111.5	178.1	314.2	642.6
420	4.6	9.6	18.1	37.1	55.8	107.3	171.0	302.9	617.2
450	4.4	9.3	17.4	36.0	53.8	103.3	164.8	291.6	594.5
480	4.3	8.9	16.8	34.5	51.8	99.9	159.1	283.1	574.7
510	4.1	8.7	16.3	33.4	50.1	96.5	154.0	272.1	554.9
540	4.0	8.4	15.8	32.6	48.7	93.7	149.2	263.8	537.9
570	3.9	8.2	15.3	31.4	47.3	90.9	144.9	256.2	520.9
600	3.8	7.9	14.9	30.6	45.9	88.3	141.0	249.1	509.6

**Note:** All table entries are rounded to 3 significant digits.

SI: 1m = 3.3 ft.; 1mm = 0.04 in.; 1m<sup>3</sup> = 33.3 ft.<sup>3</sup>; 1bar = 14.5 psi