

**TABLE 12-17 Semi-Rigid Copper Tubing [NFPA 54: Table 6.2(I)]**

		Gas: <b>Natural</b>								
		Inlet Pressure: <b>0.345bar</b>								
		Pressure Drop: <b>0.241bar</b>								
		Specific Gravity: <b>0.6</b>								
		Tube Size (mm)								
DN:	K&L:	8	10	15	18	20	25	32	40	50
	ACR:	9.5	15	18	20	22	28	35	----	----
Length (m)		Capacity in m <sup>3</sup> /h								
3		14.5	29.7	60.6	106.2	150.6	322.7	577.5	911.6	1,899.6
6		9.9	20.5	41.6	73.0	103.3	220.8	396.3	628.5	1,305.1
9		8.0	16.5	33.4	58.6	82.9	177.5	319.9	503.9	1,047.5
12		6.8	14.1	28.6	50.1	71.1	151.7	273.5	430.3	897.4
15		6.1	12.5	25.4	44.4	63.1	134.5	242.3	382.2	795.5
18		5.5	11.3	23.0	40.2	57.2	122.0	219.4	345.4	721.9
21		5.0	10.4	21.2	37.1	52.7	112.1	201.9	317.1	662.5
24		4.7	9.7	19.7	34.5	49.0	104.5	188.0	297.3	617.2
27		4.4	9.1	18.5	32.3	45.9	98.0	176.4	278.0	569.0
30		4.2	8.6	17.5	30.6	43.3	92.6	166.5	262.4	546.4
38		3.7	7.6	15.5	27.0	38.5	82.1	147.5	232.7	484.1
45		3.3	6.9	14.0	24.5	34.8	74.2	133.6	210.9	438.8
53		3.1	6.3	12.9	22.5	32.0	68.2	123.1	193.9	404.8
60		2.9	5.9	12.0	21.0	29.7	63.7	114.4	180.3	376.5
75		2.5	5.2	10.6	18.6	26.4	56.3	101.3	160.0	334.1
90		2.3	4.7	9.6	16.8	23.9	51.0	92.0	144.9	302.9
105		2.1	4.4	8.9	15.5	22.0	47.0	84.6	133.3	277.7
120		2.0	4.0	8.2	14.4	20.4	43.6	78.7	124.0	258.2
135		1.8	3.8	7.7	13.5	19.2	41.0	73.9	116.4	242.3
150		1.8	3.6	7.3	12.8	18.1	38.8	69.6	109.8	229.0
165		1.6	3.4	6.9	12.1	17.2	36.8	66.2	104.5	217.4
180		1.6	3.3	6.6	11.6	16.4	35.1	63.1	99.7	207.5
195		1.5	3.1	6.3	11.1	15.7	33.7	60.6	95.4	198.7
210		1.4	3.0	6.1	10.6	15.1	32.3	58.0	91.7	190.8
225		1.4	2.9	5.9	10.2	14.6	31.1	56.1	88.3	183.7
240		1.4	2.8	5.7	9.9	14.1	30.0	54.1	85.2	177.5
255		1.3	2.7	5.5	9.6	13.6	29.2	52.4	82.4	171.8
270		1.3	2.6	5.3	9.3	13.2	28.3	50.7	79.8	166.5
285		1.2	2.5	5.2	9.0	12.8	27.4	49.3	77.6	161.7
300		1.2	2.5	5.0	8.8	12.5	26.6	47.8	75.6	157.4
330		1.1	2.3	4.8	8.4	11.8	25.3	45.6	71.6	149.5
360		1.1	2.2	4.6	8.0	11.3	24.1	43.3	68.5	142.7
390		1.0	2.2	4.4	7.6	10.8	23.1	41.6	65.7	136.5
420		1.0	2.1	4.2	7.3	10.4	22.2	39.9	62.8	131.1
450		1.0	2.0	4.0	7.0	10.0	21.4	38.5	60.6	126.3
480		0.9	1.9	3.9	6.8	9.7	20.6	37.1	58.6	122.0
510		0.9	1.8	3.8	6.6	9.3	20.0	36.0	56.6	118.1
540		0.9	1.8	3.7	6.4	9.1	19.4	34.8	54.9	114.4
570		0.8	1.8	3.5	6.2	8.8	18.8	34.0	53.5	111.3
600		0.8	1.7	3.5	6.0	8.5	18.3	32.8	51.8	108.1

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

\*Table capacities are based on Type K copper tubing inside diameter (shown), which has the smallest inside diameter of the copper tubing products.

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